# ANNUAL REPORT 2013







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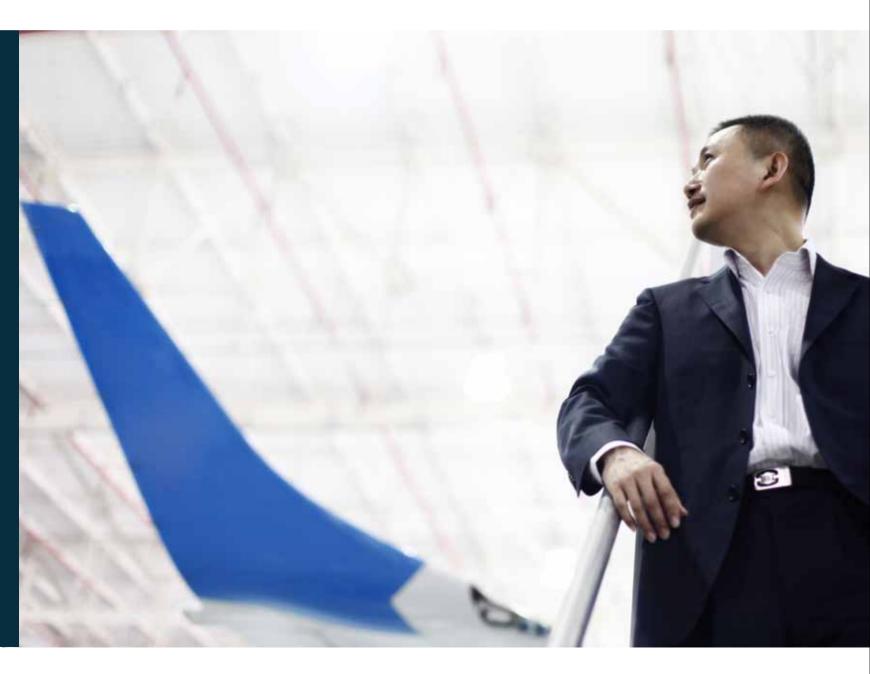


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# OUR MISSION AND PRINCIPLES GRI 4.8





#### Our vision

Embraer will continue to consolidate its position as one of the leading forces in the global aeronautics and defense and security industries. With its reputation for excellence, Embraer is a market leader in the segments in which it operates.

#### The business

Embraer's business is about creating value for its shareholders by keeping its customers fully satisfied. "Creating value," means maximizing the Company's value and ensuring its longevity, while practicing high ethical standards consistent with a well-developed social and environmental conscience. The Company is focused on four business areas: Commercial Aviation, Executive Aviation, Defense & Security and Systems.

#### Our values

Our people are what make us fly – happy, competent, valued, and fulfilled people who are committed to what they do. People who work as teams and who base their actions on integrity, coherence, respect, and mutual trust.

We are here to serve our customers – we earn customer loyalty by delivering full satisfaction and by building strong and enduring relationships. Our partnerships are based on real commitment and flexibility.

We strive for company excellence – the Company's actions are oriented towards

simplicity, agility, flexibility, and safety, with ongoing pursuit of continuous improvement and excellence. An entrepreneurial outlook based on integrated planning, responsible delegation, and disciplined execution.

Boldness and innovation are our hallmarks – state-of-the-art technology, an innovative organization that is constantly learning; capable of transforming from within and being influential in the markets in which it operates. Strategic vision and ability to overcome challenges creatively and courageously.

Global presence is our frontier – the Company's competitiveness is founded on a combination of global presence and local actions, leveraging the best of each of the locations in which it operates. Embraer envisions a world without borders, one that values diversity.

We build a sustainable future – Embraer strives ceaselessly to build the foundation for the Company's longevity, delivering profitability to shareholders and respecting quality of life, the environment and society in general.

## INTRODUCTION

Embraer's Annual Report 2013 is structured around its six core values, as are all the Company's activities.

**GRI 2.1** 

The Company's six core values distil a set of beliefs that guides the business and daily strategic decisions at every level of the hierarchy. Formulated collectively, these values pervade the Company's culture and shape its employees' behavior; they provide a solid ethical foundation from which Embraer generates value for its customers, shareholders, employees, society and other stakeholders.

Embraer's Annual Report, which follows Global Reporting Initiative (GRI) guidelines for the sixth consecutive year, demonstrates the importance the Company attaches to its values and for this reason is structured around them. GRI 3.3

The report falls into the following chapters:

 "Global presence is our frontier" profiles the Company and its global presence;

- "We are here to serve our customers" covers the operational performance of each business unit and our initiatives for ensuring customer satisfaction:
- "We strive for company excellence" covers business strategy, financial performance and corporate governance practices;
- "Boldness and innovation are our hallmarks" spotlights our investments in new ideas and solutions;
- "Our people are what make us fly" looks at initiatives geared towards supporting our professionals;
- "We build a sustainable future" outlines the initiatives adopted by Embraer to reduce the impact of its activities on the environment and society.



# **EMBRAER MAIN INDICATORS**

Sums in R\$ Million*	2013	Variation 2013 vs. 2012	2012	2011
Net Revenues	13,635.8	12%	12,180.5	9,837.9
Gross Margin	22.7%	-1.5 p.p.	24.2%	22.5%
Earnings Before Interest and Tax (EBIT)	1,605.8	32%	1,217.1	521.8
EBIT Margin	11.8%	1.8 p.p.	10.0%	5.3%
Adjusted EBITDA <sup>1</sup>	2,239.1	27%	1,762.8	923,1
Adjusted EBITDA Margin	16.4%	1.9 p.p.	14.5%	9.4%
Net Profit	777.7	11%	697.8	156.3
Net Margin	5.7%	- 7	5.7%	1.6%
nvestments <sup>2</sup>	7,267.8	31%	5,519.0	4,245.8
ndebtedness	5,140.6	22%	4,222.7	3,110.2
Net Cash	1,005.5	59%	631.2	831.6
otal Assets	23,760.3	23%	19,374.2	16,598.6
Net Assets	8,509.1	24%	6,846.4	5,848.4
ndebtedness/Net Assets*	0.6	Manual Co. Co.	0.6	0.5
ROA	3.3%	-0.3 p.p.	3.6%	0.9%
ROE	9.1%	-0.9 p.p.	10.2%	2.7%
ROCE (US\$)	14.7%	1.4 p.p.	13.3%	7.9%
nventory	5,358.3	22%	4,407.7	4,291.0
Inventory Turnover*	2.0	-5%	2.1	1.8
Asset Turnover*	0.6	1-1 g K	0.6	0.6
Firm Order Backlog (US\$ billion)	18.2	46%	12.5	15.4
Aircraft Deliveries (units)	215	-3%	221	212
Number of Employees	19,278	7%	18,032	17,265
EBIT per Employee (R\$ thousand)	83.3	23%	67.5	30.2
Dividends Paid	202.2	11%	182.4	180.9
Earnings per Share* (R\$)	1.07	11%	0.96	0.22
Number of Shares* <sup>3</sup>	729,001	1%	725,023	723,667

All figures are compiled in accordance with International Financial Reporting Standards (IFRS).

<sup>\*</sup>Except Indebtedness / Net Assets, Inventory Turnover, Asset Turnover, Earnings per Share, and Number of Shares.

<sup>&</sup>lt;sup>1</sup> Represents net profits, plus net financial income (expenses), exchange rate fluctuations, income tax and social contribution tax, depreciation and amortization, and minority holdings.

<sup>&</sup>lt;sup>2</sup> Amounts include investments in development and capital expenditure, including physical and intangible assets.

 $<sup>^{3}</sup>$  Excludes 9.5 million shares held in treasury in 2013, 14.1 million in 2012 and 16.8 million in 2011.

## MESSAGE FROM THE PRESIDENT & CEO GRILL

In a year whose challenges were associated with a recovering economic context, Embraer notched up important achievements and met its commitments – including in terms of projected deliveries, income and operating margin – thus maintaining its credibility in the marketplace.

2013 was a landmark year for our Commercial Aviation business in terms of results. We launched the E-Jets E2 family – the second generation of E-Jets for the 70 to 130-seat segment – while consolidating the broad global market appeal of the current generation (E-Jets). We delivered the thousandth E-Jet and booked substantial orders, contributing to the expansion of our client base to 65 airline companies in 45 countries.

In spite of ongoing difficulties in the executive aviation sector, Embraer's Executive Aviation business expanded its market share and pushed ahead with its investment plan for the development of new products, with the first prototype of the Legacy 450 making its maiden flight and advances achieved in the development of the Legacy 500, which should enter service during 2014.

2013 was a year of intense activity for Embraer Defense & Security, which accomplished noteworthy results in several business areas. The successful conclusion of the KC-390 military transport jet's Critical Project Review allowed for the release of designs and the start of the prototype's production; it is expected to make its first flight at the end of 2014. Other highly significant developments were the signing of contracts for 20 Super Tucano jets for the US Air Force's Light Air Support (LAS) program and for Brazil's

Strategic Defense and Communications Geostationary Satellite (Satélite Geoestacionário de Defesa e Comunicações Estratégicas – SGDC).

In keeping with the Company's plan to diversify its business activities, it created Embraer Systems, which is focused on the development and integration of complex systems for sectors other than aviation and defense.

In 2013 Embraer continued investing in the expansion of its operations in Brazil and worldwide. In the USA, the Melbourne facility delivered its first Phenom 300 executive jet and Jacksonville saw the inauguration of the unit that will produce Super Tucano jets for the LAS program. Facilities in Evora (Portugal) and Harbin (China) moved forward with their operational and investment plans.

Inside the Company, the Entrepreneurial Excellence Program (P3E) continues to thrive with the active involvement of all employees, bringing about an effective process of continuous improvement. The P3E is also helping maintain a high degree of job satisfaction and enthusiasm for the organizational environment, the latter earning a record approval rating of 84% in 2013.

Added recompense for all these efforts came in the form of various external awards and recognitions. These included the National Innovation Prize awarded by the Brazilian National Industry Confederation (CNI), SEBRAE (Brazilian Support Service for Small and Micro Enterprises) and the Competitive Brazil Movement (Movimento Brasil Competitivo); and recognition by various rankings including the Best Places to Work in Brazil (As Melhores

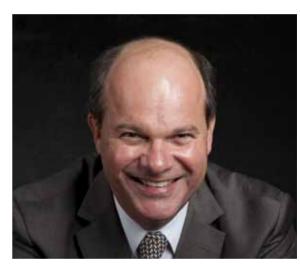
Empresas para Você Trabalhar) compiled by Você S.A. and Exame magazines; the Great Place to Work Institute survey and the Best Places to Work in Florida, USA, compiled by Florida Trend. Another highlight was Exame magazine's selection of Embraer as Company of the Year.

In terms of the wider community, Embraer High School inaugurated its second branch in the town of Botucatu (Brazil), with a class of 120 students from the public school system.

Embraer remains committed to the principles of the UN's Global Compact and has been deepening its sustainability practices, including through its recent enrollment in the World Economic Forum's Partnering Against Corruption Initiative (PACI). For the fourth consecutive year, the Company was listed in the 2013/2014 Dow Jones Sustainability Index (DJSI) and also in BM&FBovespa's Corporate Sustainability Index (ISE).

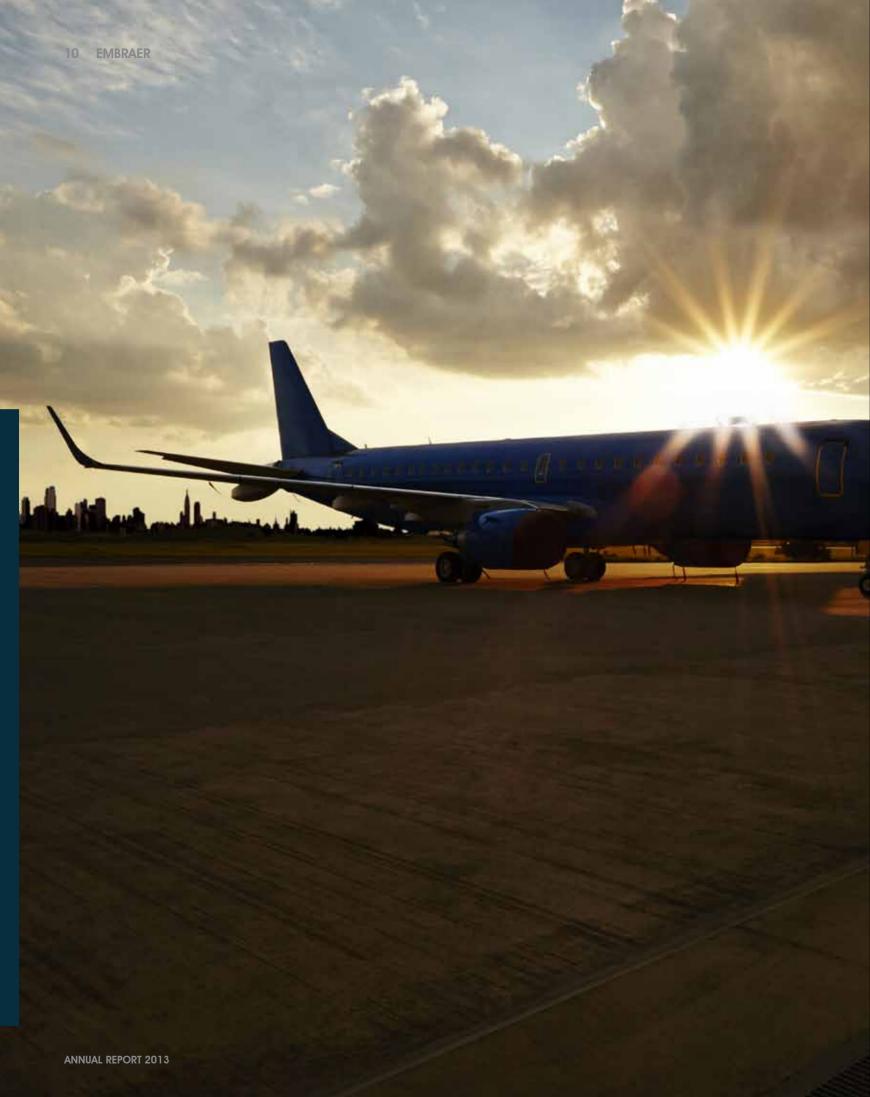
In 2014 we expect to continue growing and improving our processes, investing in our people, in technological innovation and in relationships with our clients, shareholders, suppliers and society in general, in a bid to build a sustainable future and secure the Company's longevity.

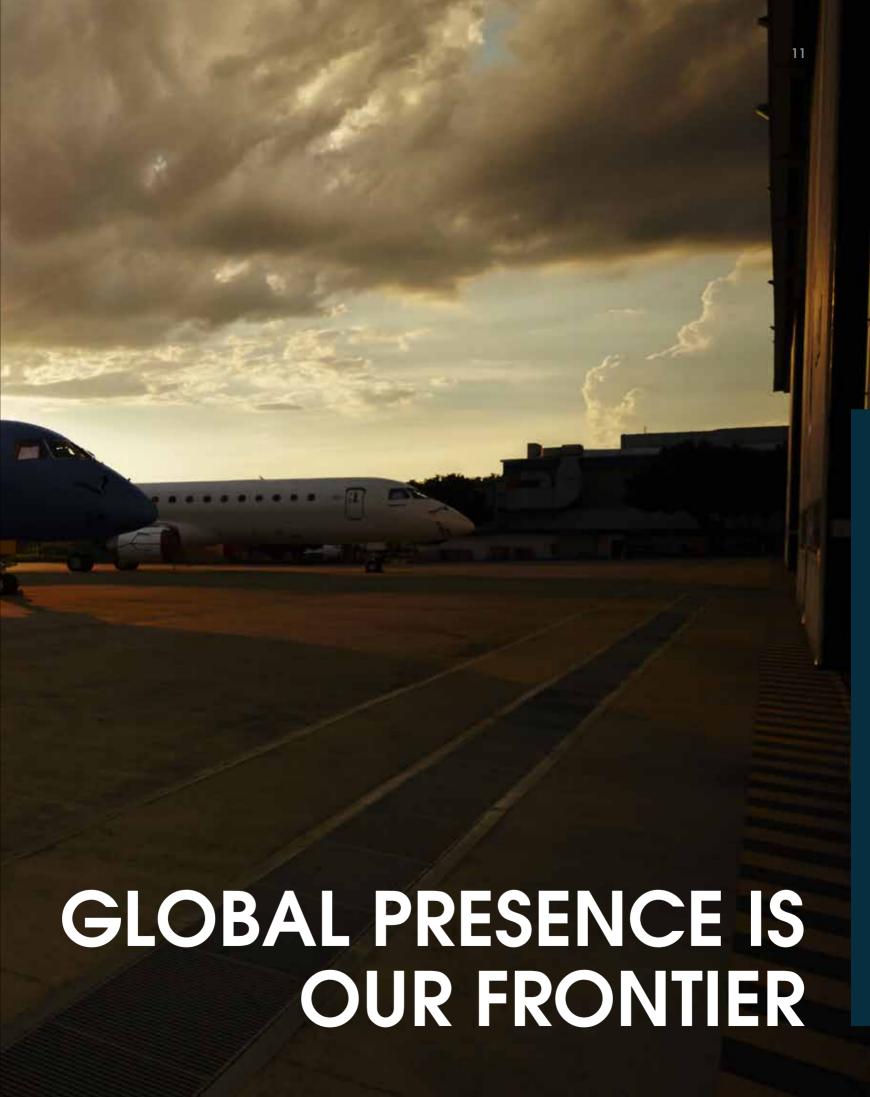
On behalf of Embraer's Board of Executive Officers and the Board of Directors, I thank everyone both inside and outside the Company who contributed towards our development and accomplishments in 2013.



Frederico Fleury Curado

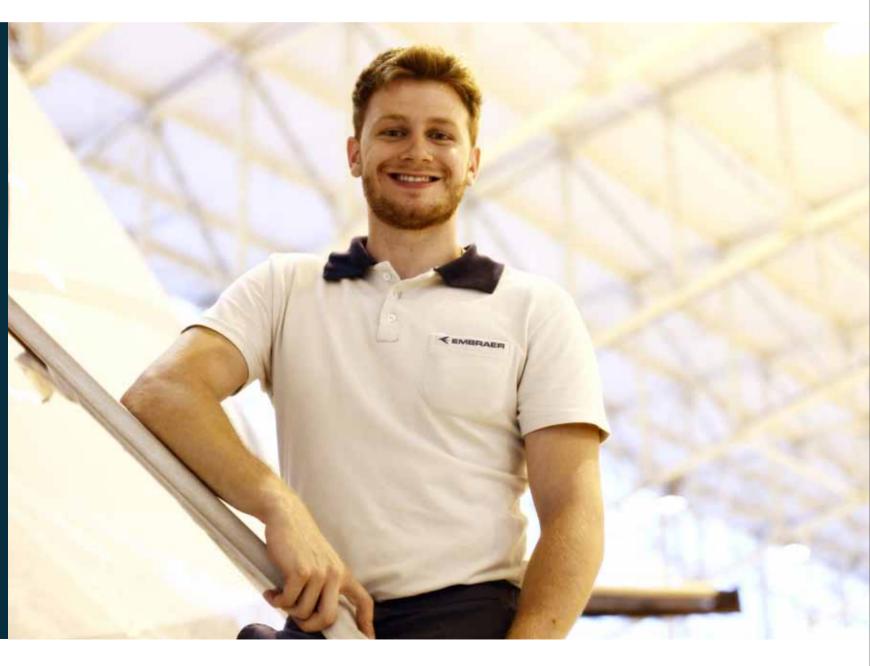
President & CEO





# A GLOBAL COMPANY HEADQUARTERED IN BRAZIL GRI 1.2

Since its foundation, Embraer has been transforming knowledge and technology into entrepreneurial excellence in the various market segments in which it operates



Embraer was founded in 1969 as a state-controlled, mixed-capital company. Privatized in 1994, it designs, develops, manufactures and sells aircraft and systems, in addition to providing technical support and after-sales service to customers. Its activities span Commercial Aviation, Executive Aviation, Defense & Security and Systems. GRI 2.2

With offices and factories in various parts of the world and more than five thousand aircraft delivered across all continents, Embraer today is one of Brazil's biggest exporters. **GRI 2.5** 

Embraer's headquarters are located in Brazil, in the city of São José dos Campos (São Paulo state). In Brazil the Company has industrial facilities and service centers in São José dos Campos, Gavião Peixoto, Botucatu and Sorocaba, along with logistical centers in the cities of Taubaté and Campinas; a Center for Engineering and Technology in Belo Horizonte and offices in Brasilia, São Paulo and Rio de Janeiro.

Embraer also has offices and production facilities in Fort Lauderdale (USA), Melbourne (USA), Jacksonville (USA), Villepinte (France), Farnborough (UK), Dubai (United Arab Emirates), Singapore, Dublin (Ireland), Amsterdam (Holland) and Beijing (China).

Embraer's centers for service and the sale of spare parts are located in São José dos Campos, Sorocaba and Gavião Peixoto (Brazil), Le Bourget (France), Alverca (Portugal) and, in the USA in Fort Lauderdale, Nashville, Mesa and Windsor Locks. There are also parts distribution centers in Louisville and Minneapolis (USA), Singapore, Beijing and Dubai.

Aside from its office in Beijing, in China Embraer also owns 51% of Harbin Embraer Aircraft Industry (HEAI), in association with a local partner, the

Aviation Industry Corporation of China (AVIC). The Company's other main industrial center is in Portugal, with a facility in the city of Évora and the OGMA subsidiary in Alverca.

Embraer's net income was R\$13,635.8 million in 2013, with 53% from Commercial Aviation, 27% from Executive Aviation, 19% from Defense & Security and 1% from other activities. At the end of the year, the firm order backlog stood at US\$18.2 billion. GRI 2.8

Embraer ended 2013 with 19,278 employees of whom 17,302 are located in Brazil and 1,976 abroad. Embraer-controlled and associated companies employed a further 2,370 staff. GRI 2.8

#### Business units GRI 2.2 E 2.7

**Commercial Aviation:** ERJ 145 and E-Jets families. The customer base consists of more than 80 airlines from over 50 countries. It leads the market for commercial jets with 70-130 seats.

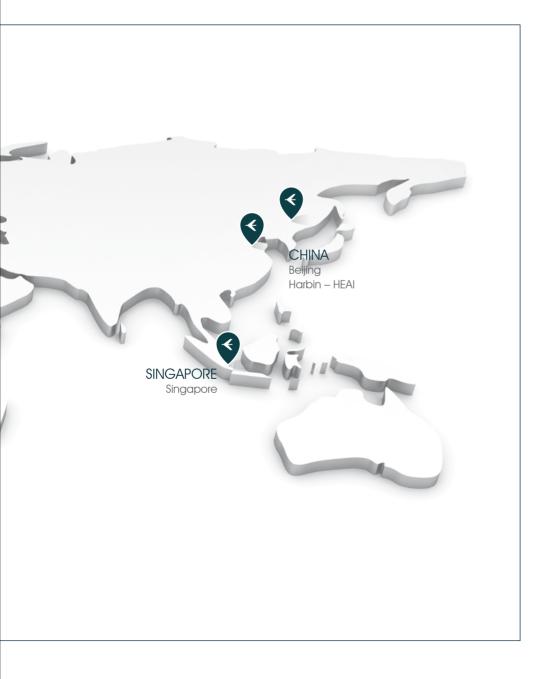
**Executive Aviation:** Phenom, Legacy and Lineage families. More than 720 aircraft delivered, in over 50 countries.

Embraer Defense & Security: aircraft for light attack and training, tactical military transport, and conveyance of official personnel; aircraft modernization; unmanned aerial vehicles (UAV), and intelligence, surveillance and reconnaissance systems. Currently Embraer serves more than 50 armed forces.



# WHERE EMBRAER OPERATES WORLDWIDE GRI 2.3, 2.4, 2.5, 2.7, 2.9





# Assembly of the Super Tucano in the USA

In March 2013 Embraer inaugurated the Jacksonville (USA) facility that will assemble Super Tucano jets for the US Air Force's Light Air Support (LAS) program. The first jet is on track for delivery by the end of 2014. In total, this program has already created more than 50 direct jobs and it indirectly helps to support another 1,400.

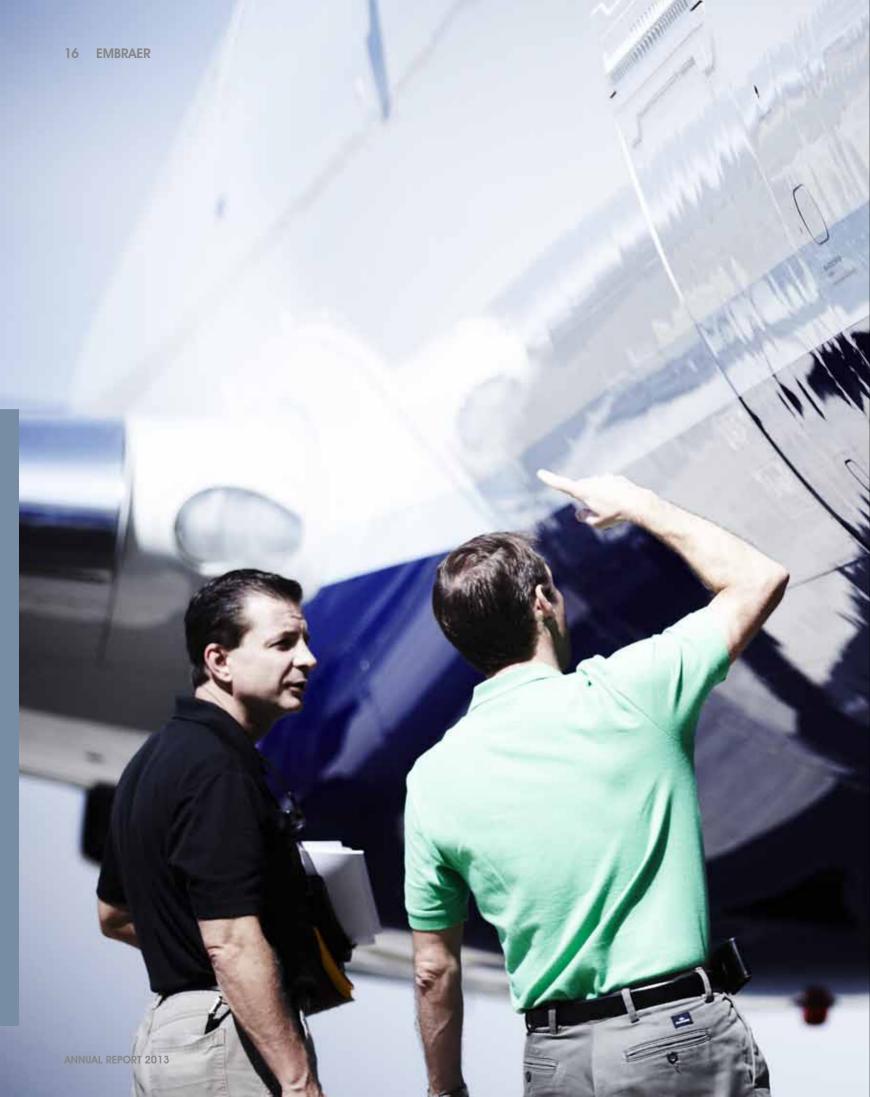
# Consolidation of international operations

In 2013 the Melbourne (USA) facility delivered the first Phenom 300 executive jet. It was another important achievement demonstrating the maturity of this new assembly line.

The first Legacy 650 jet to be manufactured in China successfully made its maiden flight in 2013. It was produced by Harbin Embraer Aircraft Industry Co. (HEAI), a joint venture between Embraer and the Aviation Industry Corporation of China (AVIC); the first unit was delivered at the start of 2014.

#### New business unit GRI 2.9

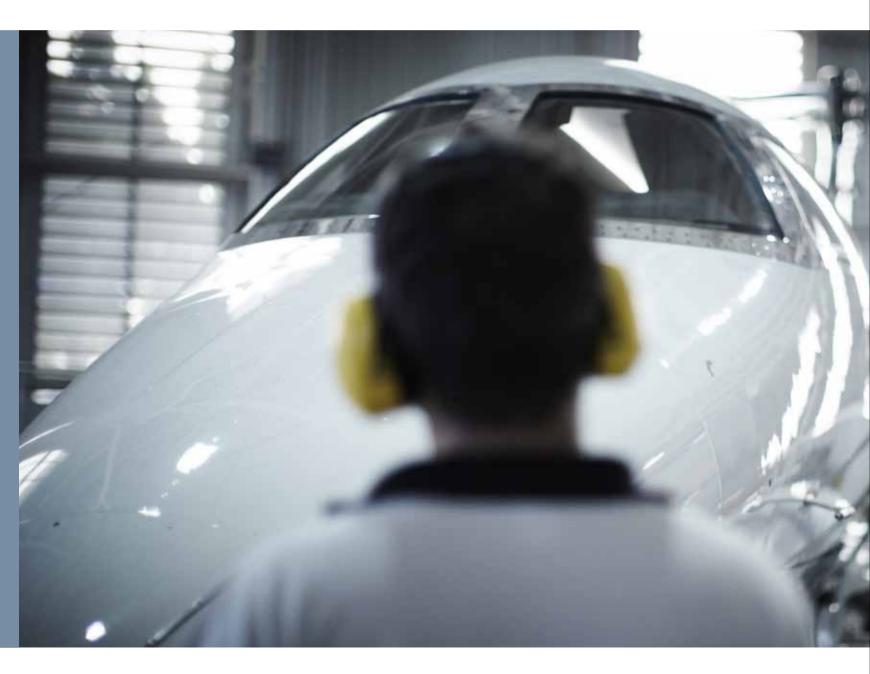
In line with the Company's strategy to diversify its business operations, it created a new business unit in the city of Rio de Janeiro (Brazil) in 2013. Embraer Systems focuses on the development and integration of complex systems for sectors other than aviation and defense.





## QUALITY, EFFICIENCY AND SAFETY GRI PR5

Continuous striving to satisfy our customers, identify their needs and deliver tailored solutions is what keeps Embraer's business growing





Guaranteeing customer satisfaction is Embraer's central concern. Consequently, the Company constantly invests in improving its services and developing products which fully meet market needs, as well as in improving client support services.

After a client purchases an aircraft, Embraer conducts periodic surveys to gauge customer satisfaction. The relevant business areas analyze the results and use them to formulate their action plans. All participating clients receive feedback on their contribution.

In the following sections the Company presents the main results and highlights of each of its business units in 2013.

## **COMMERCIAL AVIATION**

In 2013 Embraer's Commercial Aviation business followed global arowth trends. According to the International Air Transport Association (IATA), global net profits for the sector totaled US\$ 13 billion, nearly double the US\$ 6.1 billion recorded in 2012.

Against this backdrop, Embraer projects a 4.8% annual increase in demand for air transport over the next two decades. Around 6,400 commercial jets of up to 130 seats will be needed over the period to support the renewal of the global aircraft fleet and the projected growth in demand.

Embraer has consolidated its leadership of the market for jets with 70 to 130 seats, accounting for an accumulated 60% of all deliveries since 2004 and serving 65 airline companies in 45 countries.

Approximately 200 E-Jets were sold in 2013, with over 300 purchase rights, to a diverse customer base, such as United Airlines (USA), Skywest (USA), Republic Airways (USA), American Airlines (USA), Austral (Argentina), Conviasa (Venezuela), JAL (Japan), British Airways (UK), Belavia (Belorussia), Air Costa (India), Aurigny Air Services (UK) and Saratov Airlines (Russia).

The E-Jets have been widely acclaimed for their versatility, economy, passenger comfort and operational efficiency. Just nine years after the first E-Jet entered service, in 2013 Embraer's commercial jets clocked up two important milestones: 10 million flight hours and the delivery of the thousandth new jet, an E175, for Republic Airlines (USA).

With a view to bolstering the competitiveness of its offering and increasing its market share, Embraer has been developing improvements to the E-Jets, in particular a new version of the E175 entailing a significant reduction in fuel consumption. Commercial Aviation closed 2013 with a total of US\$12.2 billion in firm orders.

#### Second generation of E-Jets

June 2013 saw the launch of the second generation of the E-Jets family. The E-Jets E2 generation consists of three new aircraft: the E175-E2, the E190-E2 and the E195-E2. The application of the latest technologies in the new jets' engines, wings and avionics will reduce fuel consumption, emissions, noise and maintenance costs, besides maximizing airlines' operational efficiency. The new cabin design will provide an passengers. The E190-E2 model is expected to enter service in the first half of 2018.

The launch of the E-Jets E2 line has been SkyWest Inc., the largest regional airline order for 100 E175-E2 jets, along with 100 Finance Corporation (ILFC), a leasing company, confirmed a purchase order for 25 E190-E2 and 25 E195-E2, with options on an additional 50. Other airline companies from Africa, Asia, Europe and Latin America also expressed interest in acquiring E-Jets E2.

## **EXECUTIVE AVIATION**

Worldwide in 2013, executive jet manufacturers delivered a total of 677 aircraft, up 2% on 2012. In 2014 expectations are for a slight increase in demand, which still remains below the levels that preceded the global financial crisis.

Embraer's Executive Aviation division continued to expand its market share, from 14.9% of global executive jet deliveries in 2012 to 17.6% in 2013. In revenue terms, Embraer's share of the market rose from 7.3% to 7.8% over the same period according to a report by the General Aviation Manufacturers Association (GAMA).

Embraer delivered its 400<sup>th</sup> Phenom jet and the Federal Aviation Administration (FAA) certified the assembly line for the Phenom 300 at Embraer's Melbourne (USA) facility.

The Legacy 500 development program clocked up 930 hours of test flights in 2013; the jet is slated to enter service during the 2014. The Legacy 450 made its maiden flight in December 2013 and is expected to enter service in 2015.

The Lineage 1000 jet was upgraded with a new cabin and new functionalities, as well as an extension of its flight range, and was renamed the Lineage 1000E.

The Phenom 100 jet also benefited from the installation of new functionalities that, combined with new passenger cabin options, saw it become the Phenom 100E.

Throughout 2013 Embraer expanded its global customer service network, a highlight being the opening of a service center in Sorocaba (Brazil). With this, Embraer now has six proprietary service centers and a total of 68 service centers worldwide.

For the second consecutive year, Aviation International News ranked Embraer as one of the top two firms for after-sales service in the executive aviation market.

Executive Aviation closed the year with a firm order backlog worth US\$ 2.4 billion.





## **EMBRAER DEFENSE & SECURITY**

Embraer Defense & Security plays a crucial role in strenathenina Brazil's defense and security systems and has been increasing its client base, which encompasses 48 countries in addition to Brazil. In 2013 revenues were up 25% on the previous year, reaching US\$ 2.6 billion. Further growth is expected in 2014.

The development of the KC-390 military tactical transport and in-flight refueling jet is proceeding on schedule, with its Critical Project Revision (CDR) completed in March 2013. The manufacture of parts for assembly of the first prototype also got underway and it should make its first flight at the end of 2014. At end-2013 letters of intention to purchase 60 aircraft had been signed by Brazil, Argentina, Colombia, Chile, Portugal and the Czech Republic.

In 2013 the US Air Force (USAF) selected the A-29 Super Tucano for its Light Air Support (LAS) program for advanced training missions. Embraer will supply 20 aircraft from its factory in Jacksonville (USA) in partnership with the Sierra Nevada Corporation—a US company that develops technological solutions for the aerospace and electronics segments.

Embraer Defense & Security is also undertaking out projects to modernize military aircraft, three of them for the Brazilian Air Force, one for the Brazilian Marines and one for the Colombian Air Force. They involve the EMB 145 AEW&C, an advanced aerial alert and control aircraft, AMX subsonic fighters, F-5 and A-4 Skyhawk supersonic fighters and the EMB 312 Tucano training aircraft.

Embraer Defense & Security continues with its strategy to diversify into non-aeronautics sectors. In 2013 it increased its shareholding in Atech Business Technologies Ltd to 100%; the company is now a fully owned Embraer subsidiary. In addition, it completed important phases of the Integrated Border Monitoring System (Sistema Integrado de Monitoramento de Fronteiras -Sisfron) through the Tepro consortium, made up of two companies controlled by Embraer Defense & Security: Savis Technology & Systems and Bradar (Bradar Indústria e Aerolevantamento).

The initial phase of Sisfron will monitor 650 km of Brazil's land border in a strip along the boundary between Mato Grosso do Sul (Brazil) and Paraguay and Bolivia. As a whole, Sisfron covers the monitoring and protection of all Brazil's land borders, totaling 16,886 km.

In 2013, Visiona Space Technology Ltd., an association between Embraer and Telebras, was contracted to carry out the integration and launch of the Strategic Defense and Communications Geostationary Satellite (Satélite Geoestacionário de Defesa e Comunicações Estratégicas - SGDC). The SGDC aims to meet the Brazilian Government's satellite communications needs, including the National Broadband Program and a broad spectrum of strategic defense transmissions.

At end-2013 Embraer Defense & Security's firm order backlog totaled US\$ 3.6 billion.



# **PORTFOLIO**

## Commercial aviation Standard capacity – single class



#### **Executive Aviation**



## **Defense & Security**



Aircraft Modernization • Aircraft Repair and Maintenance • Unmanned Aerial Vehicles (UAV) • Aerial Surveillance Radar • Satellites • Training and Operation Support Systems (TOSS) • Systems of security\*\*\* / C4I\*\*\*\* • Air Traffic Control Systems • Remote Sensing

## Agricultural Aviation Embraer Systems



Development and integration of complex systems for sectors other than aviation and defense.

\*Under development | \*\* Transport of official personnel, MEDEVAC, in-flight inspection (FIS) \*\*\* Defense and security application | \*\*\*\* Command, Control, Communication, Computers and Intelligence

ORDER BACKLOG – 12/31/2013								
Aircraft	Firm orders	Options	Deliveries	Firm order backlog				
E170	188	26	187	1				
E175	375	472	187	188				
E190	569	169	496	73				
E195	145	22	128	17				
E175-E2	100	100	0	100				
E190-E2	25	25	0	25				
E195-E2	25	25	0	25				
Total	1427	839	998	429				

AIRCRAFT DELIVERIES BY BUSINESS UNIT						
	2013	2012	2011			
Commercial Aviation	90	106	105			
ERJ 145	-	-	2			
E170	4	1	1			
E175	24	20	10			
E190	45	62	68			
E195	17	23	24			
Executive Aviation	119	99	99			
Phenom 100	30	29	41			
Phenom 300	60	48	42			
Legacy 600/650	25	19	13			
Lineage 1000	4	3	3			
Defense & Security	6	16	8			
Super Tucano	6	14	8			
EMB 145 AEW&C	-	2	-			
Total	215	221	212			



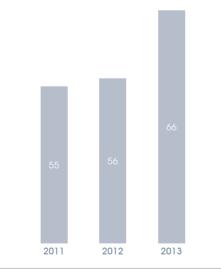


## **Agricultural Aviation**

Embraer's Ipanema airplane remains the leader in agricultural aviation in Brazil, commanding a 65% market share. The model is used primarily for crop spraying. The Ipanema series includes the only assembly line produced ethanol-powered aircraft in the world, resulting in a lower operating and maintenance costs and improved performance. The ethanol version now accounts for 40% of the fleet in operation.

In 2013, a total of 70 Ipanema aircraft were sold in Brazil and Mercosur, representing a 6% increase on the previous year. Ipanema also reached an historic milestone of 1,300 units delivered since it was launched.

## **DELIVERIES**Ipanema aircraft



## Asset management support

Since its creation in 2002, ECC Leasing, an Embraer subsidiary that provides sales support and helps reduce financial risks in the process, has administered 168 jets, both Embraer aircraft and those acquired via trade-in from other manufacturers. Of this total, 84 were re-marketed, 26 are under operational leases, and 54 are either available for release onto the market, under negotiation or in the process of being delivered to customers, and four continue to be used by Embraer for completing testing and certifications.

#### Sales finance

Expectations are for a progressive improvement in the global economy and increased participation of commercial banks in the aviation sector, which is already seeing more diversification and the entry of new participants, such as Japanese and Chinese banks and local financial institutions in the Middle East and Australia. The role of leasing is expected to keep growing, financing 50% of the global commercial jet fleet by the end of the decade. Capital market financing remains firm, as new banking regulations and the worldwide adoption of the Cape Town Treaty combine to increase its efficiency relative to other structures.

Although Brazil's export credit agency, has increased its participation during the past year, it has accounted for only 20% of financing for E-Jets since their launch. Official financing is expected to continue to play an important role in the aeronautic sector, filling gaps left by the private sector and providing more significant support for Embraer's future exports to the North American market.





## **GENERATING PRESENT VALUE IN EMBRAER'S STRATEGY GRI 1.2**

Through its business administration and corporate governance models, Embraer strives to achieve growth of shareholder returns on a daily basis, along with sustainable development of the business



## **Management Model**

Embraer's management model is formally described in the Embraer Entrepreneurship System. It envisages the formulation and implementation of long-term plans as specified in the Company's Strategic Plan along with short-term projects as defined in the Action Plan. While the first defines macro strategies and macro projects for the next 15 years, the second deals with goals to be achieved within the next two years, including operational, economic-financial and sustainability goals.

The Strategic Plan and the Action Plan are fully aligned with each other and geared towards securing the business's longevity and generating value for stakeholders. They also address Embraer's objectives in terms of increasing its competitiveness in the market, improving its entrepreneurial excellence model, seeking continuous improvement to processes, diversifying its business activities and expanding its global operations.

The Strategic Plan centers on five main areas:

- **Commercial Aviation:** solidify its leadership position in its segment, expanding the customer base, working on perfecting E-Jets, and pursuing excellence in the customer support model;
- Executive Aviation: consolidate itself as one of the world's leading manufacturers of executive jets, increasing market share, investing in the development of new products and maintaining high levels of customer satisfaction with services and support;
- **Defense & Security:** be a critical player in Brazil's defense and security system, diversifying its portfolio of products and services and expanding its international presence, as well as pursuing excellence in customer support;
- **Diversification:** direct efforts towards diversifying Embraer's business, maintaining synergy with the Company's core competencies;

• People, sustainability, organization and processes: carry on being a global organization committed to delivering customer satisfaction and valuing its people; a Company that grows sustainably and serves as a benchmark for innovation and corporate excellence.

# Continuous management improvement - P3E

Launched in 2007, the Embraer Entrepreneurial Excellence Program (P3E) seeks to raise the Company's management, processes and products to an ever-higher level of excellence. Based on *Lean Manufacturing* concepts, the P3E consists of four pillars: developing Embraer's organizational culture, developing people, constantly training leaders and striving for efficiency and excellence across all processes. As explicitly set out in one of the pillars, continuous engagement takes place with leaders to ensure they remain in alignment with each other and committed to ensuring the Company's operational efficiency and competitiveness.

As part of the P3E, the *Kaizen* concept encompasses the review of processes with a view to their optimization, with an emphasis on increasing productivity and eliminating waste. In 2013, more than 5,100 *kaizen* projects were completed.

Since the creation in 2012 of the Embraer Entrepreneurship System (Sistema Empresarial Embraer - SEE), we have consolidated improvements in the quality of our management, attaining level 8 on the scale compiled by the National Quality Foundation (Fundação Nacional da Qualidade - FNQ).

## **CORPORATE GOVERNANCE**

To ensure that management of the Company is focused on sustainable development and securing the business's longevity, the corporate governance model is founded on ethical principles and conforms to the highest market standards both in Brazil and the US. This model is geared towards transparency, independence, and accountability; it aims to preserve the Company's value and increase its potential.

Embraer has a pulverized structure of share ownership and is a member of the New Market (Novo Mercado) of the São Paulo Stock Exchange (Bolsa de Valores de São Paulo - BM&FBovespa), where companies that adhere to the highest standards of corporate governance are listed. Embraer's shares are also traded on the New York Stock Exchange (NYSE) and continue to be listed on the Dow Jones Sustainability Index (DJSI) and the Corporate Sustainability Index of the BM&FBovespa (Índice de Sustentabilidade Empresarial - ISE), which comprise companies with recognized sustainable management practices. GRI 2.6

The Company's chosen shareholding distribution extends voting rights to all shareholders, without distinction. The tag-along mechanism guarantees all shareholders the same rights in the event of an offer to buy the Company, However, the Brazilian Federal Government retains a special class of share, the golden share, which gives it veto powers over certain issues of strategic importance

to the Company and the Brazilian State. GRI 4.4

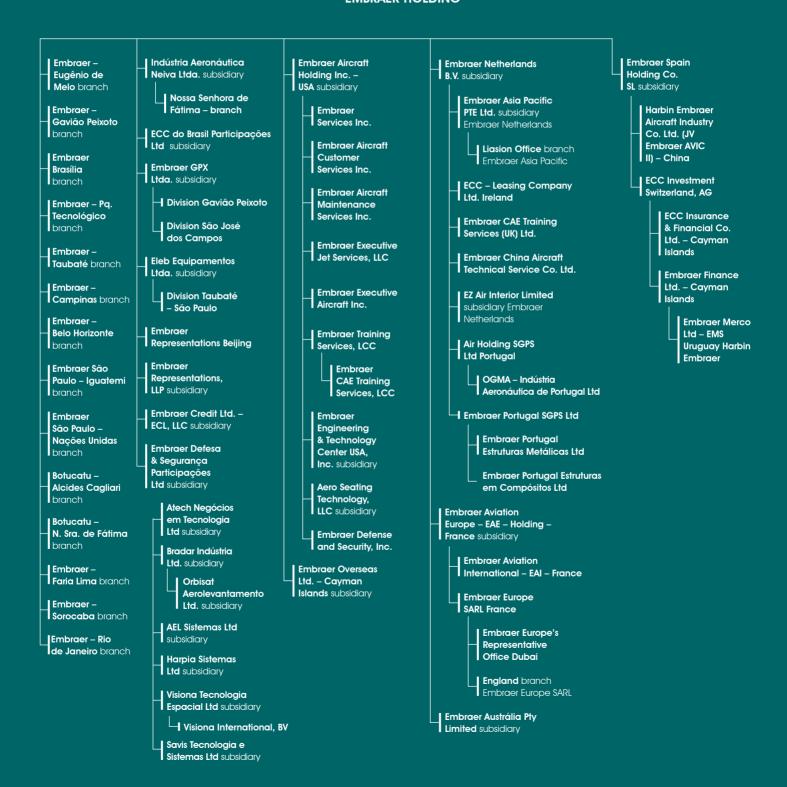
The General Meeting is the Company's highest deliberative assembly; in keeping with Company statutes decisions are approved by a majority of Brazilian shareholders, with foreign shareholders restricted to 40% of the votes present. Company statutes also impose some restrictions aimed at discouraging excessive concentration of shareholdings or American Depositary Receipts (ADRs): at the Shareholders' General Meeting, no single stockholder or group of stockholders may exercise the vote on behalf of more than 5% of total shares; and no shareholder is allowed to own 35% or more of the Company's capital, except with the express authorization of the Federal Government, and subject to a public share offering. GRI 4.6

## Corporate and governance structure GRI 4.1

Embraer's corporate structure is geared towards maximizing the effectiveness of the Company's management, by integrating operations and customer satisfaction functions, and always seeking to meet local market needs in all the countries in which it operates. The governance structure is made up of the Board of Directors and its three advisory committees (Strategy Committee, Audit and Risk Committee, and Human Resources Committee), the Fiscal Board, the Board of Executive Officers, Internal Auditors and Independent External auditory.

## **CORPORATE STRUCTURE**

#### **EMBRAER HOLDING**



## **COMPOSITION OF BOARD OF DIRECTORS**

Elected in the General Meeting on 25th April, 2013













- 01 Alexandre Gonçalves Silva Chairman
- 02 Sergio Eraldo de Salles Pinto Vice-chairman
- 03 Antonio Franciscangelis Neto
- 04 Arno Hugo Augustin Filho
- 05 Ernani de Almeida Ribeiro Junior
- 06 Israel Vainboim
- 07 João Cox Neto
- 08 Josué Christiano Gomes da Silva
- 09 Paulo Roberto de Oliveira
- 10 Samir Zraick
- 11 Vitor Paulo Camargo Gonçalves











# Board of Directors GRI 4.1. 4.3. 4.4. 4.7

The Board of Directors defines guidelines, goals, budgets, and investment plans; it also approves the Company's Strategic and Action Plans. During its two-year mandate, the Board also monitors the Company's performance, appoints independent auditors, decides on stock issues and bonuses, elects and dismisses members of the Board of Executive Officers, and keeps checks on management.

It comprises 11 active members, 7 of them independent. The Brazilian Government names one member and employees nominate two others: a representative of the Embraer Employee Investment Club (Clube de Investimentos dos Empregados Embraer - CIEMB) and another elected directly by nonshareholding employees. Since 2010, Embraer has been implementing procedures to evaluate the Board's and its members' performance; the evaluation assesses individual and group contributions to achieving established objectives and ensuring excellent corporate governance.

## Auxiliary committees GRI 4.1, 4.7, 4.9, 4.11

**Strategy Committee:** keeps track of Company administration and results and is responsible for assisting the Board of Directors in formulation of the Strategic Plan and the Action Plan, with a focus on objectives, macro projects, and evaluation of potential new business opportunities.

Audit and Risk Committee: assists in identifying and managing business risks inherent to the Company's activities; adapting risk management models, guidelines, and policies, and verifying managerial and accounting information released to the public and to regulatory agencies – this includes

supervising the quality of financial reporting and compliance with legal and regulatory requirements. In addition, the Committee makes recommendations for the selection of the external audit company and supervises its activities, among other functions.

**Human Resources Committee:** provides support to the Board of Directors in selecting and dismissing Company directors, defining their respective functions, setting remuneration and human resources policies, administering the Company's share option programs and recommending the allocation of funds to employee associations and charities, and to leisure and private retirement plans.

## Fiscal Board

This committee is made up of a minimum of three and a maximum of five active members along with an equal number of alternates (shareholders or otherwise). Members are elected to one-year terms in an Ordinary General Meeting. The Fiscal Board reports directly to the General Meeting, and is charged with overseeing administrative management, through regular quarterly meetings or extraordinary meetings to evaluate financial statements.

# COMPOSITION OF THE FISCAL BOARD ELECTED ON $16^{\rm TH}$ APRIL 2014 GRI 4.2

Ivan Mendes do Carmo	President
Eduardo Coutinho Guerra	Vice-President
Nelson de Menezes Filho	
José Mauro Laxe Vilela	FB Member
Taiki Hirashima	

# **COMPOSITION OF BOARD OF EXECUTIVE OFFICERS**

With effect from 28th February 2014













- **01 Frederico Pinheiro Fleury Curado** President & CEO
- **02 Artur Aparecido Valério Coutinho**Executive Vice President, Operations (COO)
- **03 Jackson Medeiros de Farias Schneider** Executive Vice President, Defense & Security
- **04 José Antonio de Almeida Filippo**Executive Vice President, Finance
  and Investor Relations (CFO)
- **05 Marco Tulio Pellegrini**Executive Vice President, Executive Aviation
- **06 Mauro Kern Junior**Executive Vice President,
  Engineering and Technology
- 07 Paulo Cesar de Souza e Silva Executive Vice President, Commercial Aviation
- **08 Terena Penteado Rodrigues**Executive Vice President & General Counsel





# **Board of Executive Officers**

The Board of Executive Officers is responsible for managing the Company in accordance with the Strategic Plan and the Action Plan. It is appointed by the Board of Directors to a two-year mandate, and is supported by several management committees such as the Sustainability, Ethics, Financial Management and Environmental Risks committees. It can also call on specialized consultancies and audit firms. It is evaluated by the Board of Directors and rewarded according to the fulfillment of the economic-financial, operational, and socio-environmental goals set out in the Action Plan. GRI 4.10

# Risk management GRI 1.2, 4.11

Led by the Company's top tiers of governance, Embraer's risk management operation is geared towards maintaining transparency and safety and ensuring the long-term security of the Company's operations and resources.

Following several important advances, Embraer's risk management has achieved significant maturity in global terms. These advances include the completion in 2013 of a review – conducted in partnership with a specialized consultancy – of the principal risks inherent to the Company's business. The Company also established a mechanism to increase the visibility of these risks, in addition to mapping respective mitigation actions and introducing risk indicators as governance tools. In addition, an external audit highlighted significant advances in the overall consolidation of controls and procedures relevant to financial statements, in accordance with the Sarbanes-Oxley Law.

The management and corporate governance practices adopted by Embraer are applicable to all the Group's companies in Brazil and abroad, including joint ventures. Risks are categorized into strategic, operational, regulatory, and financial. The next section provides a short explanation of each:

#### Strategic

Strategic risks are associated with senior management decisions that have the potential to cause a substantial decline in the Company's economic value. They may be related, for example, to the development of especially innovative products; to the global economic crisis; increased trade barriers in foreign markets; the scarcity of credit in the international financial markets; and rising costs in Brazil due to inflation, an overvalued currency (Brazilian Real), and a rising tax burden. Accordingly, risk management and planning for the aviation sector require constant monitoring of the main trends in the market.

Embraer provides stakeholders with advance notice of any issues that could present a risk to the Company's operations and brand.

## **Operational**

Operational risks involve possible losses (of production, assets, customers or income) resulting from faults, shortcomings or inadequacies of internal processes, people and systems, as well as external events such as natural disasters.

#### Financial

Financial risks are those associated with exposures from financial operations. The Company has a duty to ensure cash flows are administered effectively, in order to maximize operational cash flow, manage risks and returns specific to financial transactions, and raise and apply financial resources according to established policies.

The Company's Financial Management Committee analyzes and issues positions on the outlook for market and production trends and any situations that imply a potential financial exposure for the Company, always in accordance with the Financial Management policy approved by the Board of Directors.

# Regulatory/legal

Embraer operates in all stages of the aircraft manufacturing process, from project development to after-sales support, adhering strictly to the relevant industry regulations. **GRI PR1** 



In the environmental sphere, Embraer assesses its operations in search of opportunities to mitigate the effects of global warming and of greenhouse gas (GHG) emissions, for example by controlling consumption, adjusting its energy mix, applying new technologies, and developing new products. **GRI EC2, EN26** 

In 2013 the main business executives, along with the CFO and the President & CEO, completed a review of Embraer's overall risk assessment materials.

The Company has also been fully cooperating with the US Securities and Exchange Commission (SEC) and the US Department of Justice (DOJ) in the ongoing investigation into possible noncompliance with the US Foreign Corrupt Practices Act (FCPA). Outside attorneys were hired to conduct the process independently. They are in regular contact with both agencies, and provide them with documents and information as requested.

#### **Policies**

Embraer ensures that all its employees are familiar with its corporate policies. These are closely aligned with the Company's values and with the best market practices. Some of these policies are briefly outlined below:

# Risk Management Policy

Embraer's risk management directives are described in its Risk Management Policy. Approved in 2013 by the Audit and Risk Committee and the Board of Directors, this is expected to guide the work of the Risk Management and Internal Controls department for the next few years. Risk management policies are based on the best market practices and guidelines from the Brazilian Institute of Corporate Governance (Instituto Brasileiro de Governança Corporativa - IBGC), the Committee of Sponsoring Organizations of the Treadway Commission (COSO II), and ISO 31000, among others.

#### Financial Management Policy

Approved by the Board of Directors, the Policy contains the guidelines for administering Company finances related to cash flow and capital structure. Key indicators are

monitored and reported to the Financial Management Committee, the Board of Executive Officers, the Audit and Risk Committee and the Board of Directors.

#### Human Resources Policy

This communicates the Company's thinking and position on the treatment of its greatest asset: its people. Across all the countries where the Company operates, anyone with responsibility for managing people must ensure the policy is applied in all business-related situations.

#### Quality Policy

Embraer is certified under ISO 9001 and AS 9100 (international standards for Quality Management Systems for Aviation, Space, and Defense Organizations). The implementation of the Embraer Entrepreneurial Excellence Program (P3E) since 2007 has also entailed a further tightening of these standards.

The Quality Policy's chief directives are as follows:

- Design, produce, and support high-quality products with adequate safety standards;
- Focus on preventive measures;
- Ensure that all employees know, understand, and adhere to the quality standards in their work in a responsible manner;
- Ensure the continuous improvement of all business processes with a view to customer satisfaction, through the involvement of employees and teams at all levels.

#### Intellectual Property Management Policy

Embraer is conscious of the need to protect the rights and results of its intellectual creations, such as inventions, industrial drawings, brands, processes, systems, software and products. In its Intellectual Property Management Policy, the Company commits itself to, for example:

• Incentivizing innovation and creativity to promote technological development and ensure the Company's

products and services retain their competitive edge;

- Ensuring the protection and registration of intellectual property resulting from knowledge and innovation generated in the Company;
- Extracting the economic value embodied in intellectual property, with a focus on increasing the competitiveness of distinctively different and innovative products, processes, and services, as well as taking advantage of new business opportunities.

# Environmental and Occupational Health and Safety Policy GRI 4.8, 4.11

Updated in 2013, Embraer's Environmental and Occupational Health and Safety Policy seeks to ensure that all Company operations are environmentally sustainable, safe and healthy (read more in the chapter "We build a sustainable future"). Its directives envisage continuous improvement and investment in employees' skills; compliance with environmental and occupational health and safety legislation; and the adoption of preventive practices, corrective actions and innovative solutions.

## Flight Safety Policy GRI 4.11

This policy encourages a rigorous commitment to building ever-safer aircraft that exceed national and international certification standards. Employees are incentivized to report risk situations, ensure that results data get to the relevant people, and that necessary changes are made to ensure fulfillment of safety recommendations.

# Participation in initiatives and associations GRI 4.12, 4.13, 505

Embraer looks to engage in discussions affecting civil society, as well as contributing to the formulation of public policies that touch on issues of direct relevance to the business, always in keeping with its Compliance Program and Code Of Ethics and Conduct. It is an active participant and a vocal advocate of sectorial demands in the Technology Park Association of São José dos Campos, the Aerospace Industries Association of Brazil (AIAB) and the Paulista Eastern Cone Innovation and Competitiveness Center (CECOMPI). When it comes to Brazilian industry more broadly, Embraer is active in the National Industry Confederațion (Confederação Nacional da Indústria - CNI), the São Paulo State Industries Federation (Federação das Indústrias do Estado de São Paulo - FIESP) and the Industrial Development Studies Institute (Instituto de Estudos para o Desenvolvimento Industrial - IEDI).

Among the initiatives to which Embraer subscribes or of which it forms part, the most important are the UN's Global Compact, the Brazilian GHG Protocol Program (of which Embraer is a founding member), the Carbon Disclosure Project (CDP) and the Latin American Companies Circle.

Embraer is also a member of the Brazilian Institute of Corporate Governance (Instituto Brasileiro de Governança Corporativa - IBGC), the Brazilian Association of Public Companies (Associação Brasileira das Companhias Abertas - ABRASCA), the Brazilian Investor Relations Institute (Instituto Brasileiro de Relações com Investidores - IBRI), and the National Investors' Institute (Instituto Nacional de Investidores - INI).

In addition, Embraer participates in organizations that seek to widen understanding of the international agenda. These include the Brazilian Foreign Trade Association (Associação de Comércio Exterior do Brasil - AEB), the Brazilian International Relations Center (Centro Brasileiro de Relações Internacionais - CEBRI), the Brazil China Business Council (Conselho Empresarial Brasil China - CEBC), the World Economic Forum (WEF), the Aviation Working Group

(AWG), and the Air Transport Action Group (ATAG), among others. Finally, it also keeps track of relevant issues at the International Civil Aviation Organization (ICAO), the World Trade Organization (WTO) and the Organization for Economic Co-operation and Development (OECD).

# Supply chain

In selecting its suppliers, Embraer considers issues such as price competitiveness, quality, reliability, technical and productive capacity, socio-environmental responsibility, financial health, logistics, risks, certifications and experience. Supplier contract models signed by Embraer include clauses that establish the supplier's obligation to comply with relevant legislation and socio- environmental standards, and prohibit the use of child and forced labor. In 2013 no suppliers were dropped or posed risks of human rights violations or use of child or forced labor.

Supply chain management entails the use of tools such as: a Score Card for monthly monitoring of indicators; a joint action plan in which Embraer executives and suppliers discuss strategic issues that might affect operations; and Risk Assessment, to monitor supply risks and conduct inperson audits of the supplier's factory floor.

# Supply chain development

Through the National Supplier Development Program (Programa de Desenvolvimento de Fornecedores Nacionais - PDF), Embraer invests in capacity building in its supply chain. Developed in the classroom, the initiative entails modules such as: business leadership, strategic planning, financial management, project management, inventory management and people management, among others.

Practical capacity building takes place during Kaizen Weeks for Suppliers, attended by relevant staff in the supply area. In addition, suppliers are encouraged to carry out Independent Kaizens—in 2013 there were 386 Kaizens. Practical implementation is achieved via a tool based on the SAE J4000 standard, which outlines and guides best practices with suppliers and clients.

# Compliance

Conforming to the highest international standards of good practice as well as local and international legislation, Embraer strengthened its Compliance program with a focus on promoting anti-corruption efforts and export controls.

The Compliance Directory, which acts independently and reports directly to the Audit and Risk Committee and the Board of Directors, is responsible for the management of this program. It is focused on continuously improving processes, training employees and promoting a culture of ethics and business integrity in internal and external interactions.

# Ethics and transparency GRI 4.8

Embraer's Code of Ethics and Conduct ensures the Company's commitment to best practices in accounting and corporate transparency and integrity. Based on the Company's values and the principles of the Global Compact, the document is available in Portuguese, English, French and Mandarin. It is distributed to all the Company's employees and those of its subsidiaries in Brazil and overseas at the time of hiring or whenever there is a new update. The Code of Ethics and Conduct is available for consultation on www.embraer.com by clicking on the "Ethics and Compliance" icon.

Embraer also has a Helpline, responsible for gathering, recording, evaluating, and discussing complaints received from all sources, permitting anybody to report possible violations of the Code of Ethics and Conduct, corporate governance practices or legislation. An independent company administers the Helpline; this ensures the anonymity and confidentiality of complaints.

In 2013 the Ethics Committee evaluated 176 complaints, of which 26% were deemed valid. In terms of complaints relating to discrimination, the Company logged four in 2013; however after proper analysis, they were judged to be unfounded. **GRI HR4** 

Also in 2013, Embraer implemented an anti-corruption policy and became an active member of the World Economic Forum's Partnering Against Corruption Initiative (PACI), as well as being a signatory to the UN's Global Compact.



# Contact points – Channel for lodging complaints: Helpline GRI 4.4

Embraer intranet: accessible to all employees

Embraer website (www.embraer.com): icon "Ethics and Compliance", Helpline section or by calling one of the following numbers:

Brazil: 0800-721-5968 Portugal: 800-180-118 USA: 1-877-900-8779

Singapore: 800-130-2122 China: 400-120-4946

France: 0805-080608

# PERCENTAGE OF EMPLOYEES (AND TOTAL NUMBER) TRAINED IN ANTI-CORRUPTION PROCEDURES (%) GRI SO3

	2011	2012	2013
Managers	1.49%	3.43%	100%** (1,152)
Non managers	(240)	(617)	51.05% (9,520)

<sup>&</sup>lt;sup>1</sup> Percentages are based on the following employee totals: 17.265 (2011); 17.970 (September 2012); 18.650 (2013).

<sup>\*\*</sup> As anticipated in 2013, the Company fulfilled the goal of training 100% of the employees working in areas of highest risk exposure. In addition, 96% of employees were trained in the Code of Ethics and Conduct that addresses the anti-corruption theme in one of its chapters. In 2014, Embraer aims to carry out phase II of its anti-corruption training, covering 100% of managers and all employees working in areas of highest risk exposure.

During the course of the year Embraer carried out a risk assessment analysis focusing on corruption-related risks across all its units, subsidiaries and majority-owned companies. In addition, 96% of employees were trained on the Code of Ethics and Conduct, to which they individually and formally adhere; and 100% of leaders underwent training on anticorruption policies.

The goal for 2014 is to sustain continuous improvement in this area through the Company's ethics and compliance program, with a strengthening of training programs and risk monitoring; a tightening of policies and controls; and participation in organizations that support initiatives to combat corruption and promote corporate integrity. GRI 502

# Intangible assets

A process of identifying intangible assets and according them priority attention forms part of the annual review cycle for Embraer's Strategic Plan. All the Company's actions, based on its six values, are also geared towards the strengthening of these assets: brand value, people (employees and leadership) and the intellectual property and knowledge generated by its innovations. The following table sets out the methods used for the periodic evaluation of these assets.





Award	Awarding organization	Category
Época Negócios 360° annual ranking	Época magazine	Industry Leader in the Vehicles and Autoparts Sector
Best and Biggest	Exame magazine	Company of the Year for 2012.
Top Vale	O Vale newspaper	Industry of the City – Vale do Paraíba Region.
The Most Admired Companies in Brazil	Carta Capital magazine	One of the top ten most admired Brazilian companies.
Viracopos Prize for Logistical Excellence	Viracopos Airport Operator (ABV)	Industry Leader in the Vehicles and Autoparts Sector
Valor 1000	Valor Econômico newspaper	$35^{\rm h}$ place in the general ranking of 1,000 Biggest Companies and $4^{\rm h}$ place in the final classification of the vehicles and parts sector.
Reputação Corporativa	Exame / Merco (Business Monitor of Corporate Reputation)	Ranked among the top 100 Brazilian companies measured by reputation.
Transparency Trophy	Fipecafi (Institution/Foundation for Accounting, Actuarial and Financial Research) - Serasa Experian (research and investment data)– Anefac (National Association of Finance, Administration and Accountancy Executives)	Classified as one of Brazil's most transparent companies due to the quality of its financial statements.
15 <sup>th</sup> ABRASCA prize for Best Annual Report	ABRASCA (the Brazilian Association of Public Companies)	Considered one of Brazil's 10 best annual reports
The best of Dinheiro	lsto É!Dinheiro magazine	The Best in Social and Environmental Responsibility, Fourth in Vehicles and Autoparts Sector
National Innovation Award	CNI (National Industry Confederation)	Technological Innovation Projects.
5 <sup>th</sup> Brazilian Congress for Innovation in Industry	CNI / SEBRAE	Value Chain innovation.
Best in People Management	Valor Econômico newspaper	The Best Brazilian Company in People Management ("More than 15,000 employees" Category)
Best Places to Work	Great Place to Work Institute and Época magazine	Nominated one of the best places to work in Brazil.
Guide to the Best Places to Work	Você S/A and Exame magazines	Nominated one of the top 150 companies to work for.
Guide to the Best Places to Start a Career	Você S/A magazine	Elected the best company at which to start a career.
Best Companies to Work for in Latin America	Great Place to Work Institute	Nominated one of the best companies to work for in Latin America.
Best Companies to Work for in Florida	Florida Trend Magazine	Embraer was voted one of Florida's Best Companies to Work for in 2013

# **ECONOMIC-FINANCIAL PERFORMANCE** GRIFCI

In 2013 Embraer met and in some cases surpassed its published targets for annual revenue, operating margin (EBIT) and EBITDA.

# Net revenue and gross margin

Net revenue for the year totaled R\$ 13,635.8 million (US\$ 6,235.0 million) in 2013, according to Company estimates. This was a 12% increase on 2012, when net revenue summed R\$ 12,180.5.

Embraer delivered 215 aircraft during the year, slightly below the 221 delivered in 2012. Even so, revenue grew as a result of several factors, such as:

- Exchange rate fluctuations during the period had a positive impact on revenues expressed in Brazilian Reals:
- An increased number of Executive Aviation deliveries and a change in the product and service mix, with an increased share of large executive jets, Legacy and Lineage, at higher sales values than light Phenom jets;
- Revenue growth of the Defense & Security business unit.

The gross margin was 22.7%, 1.5 percentage points lower than in 2012, principally because of a change in the product mix in Commercial Aviation; it increased deliveries of the E175 aircraft, which has a lower price point than the E190 and E195 models.

# Revenue by business unit and geographical region

In 2013 Commercial Aviation's net revenue reached R\$ 7,186.4 million, 3% lower than in 2012. However, Executive Aviation recorded revenue of R\$ 3,658.7 million, up 41% on the previous year. Defense & Security achieved net revenue of R\$ 2,601.0 million, a 25% increase on the year-earlier period. Other activities generated revenue of R\$ 189.6 million.

The North American market, which had been losing ground in Embraer's revenue mix since 2009, recovered its leading position, accounting for 29% of total sales. Reflecting the economic crisis in Europe, the European market's revenue share fell to 22%. China's share fell to 6% while the Asia Pacific and Latin America regions rose to 9% and 8% respectively. In relative terms, growth of sales in Brazil were the strongest and the home market accounted for 21% of the Company's total revenues in 2013.

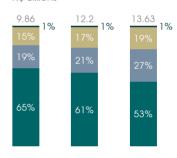
During the year, Embraer's export sales totaled US\$ 4,136.7 million, making the Company Brazil's seventh largest exporter and an important support to the country's trade balance.

# Operational results and operational margin (EBIT)

In 2013 the Company recorded an operational result and margin of R\$1,605.8 million (US\$ 713.4 million) and 11.8% respectively. Both figures were improvements on the Company's initial estimates for the year. The 32% increase in the operational result relative to 2012 is explained principally by the rise in net revenue, the appreciation of the US Dollar relative to the Brazilian Real, an improvement in operational efficiency thanks to the Embraer Entrepreneurial Excellence Program (P3E) and the reversal of provisions relating to financial guarantees in

## NET REVENUE BY SEGMENT

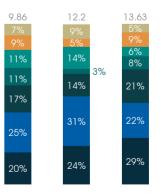
R\$ Billions



- Commercial Aviation
- Executive Aviation
- Defense & Security
- Other

### **NET REVENUE BY REGION**

R\$ Billions



- North America
- Europe
- Brazi
- South and Central America
- China
- Asia Pacific
- Africa & Middle East

2013 Estimates

**NET REVENUE (US\$)** 

5.9-6.4 billion

EBIT (US\$)

530-610 million

EBITDA (US\$)

770-900 million

connection with American Airlines' bankruptcy proceedings; the airline company successfully exited bankruptcy proceedings in December 2013.

Investment in research totaled R\$ 158.1 million (US\$ 74.7 million) in 2013 and was below the Company's original expectations of US\$100 million, despite full achievement of operational targets. Commercial expenses came to R\$ 978.8 million, 4% higher than in 2012 primarily because of the appreciation of the US Dollar.

In spite of the annual salary adjustment concluded at the end of 2012, which increased payroll disbursements in the Company's Brazilian operations by around 6%, administrative expenses declined by 17% to R\$ 453.7 million, equivalent to 3.3% of annual revenue, compared to 4.5% in 2012.

Other operating expenses totaled R\$ 100.6 million in 2013, owing principally to the one-off effect of the reversion of provisions of US\$147 million related to AMR's bankruptcy proceedings.

EBITDA reached R\$ 2,239.1 million (US\$ 1,004.0 million) in 2013, 27% higher than in 2012, and the EBITDA margin was 16.4%; both surpassed original Company estimates.

In 2013, Embraer recorded net financial expenses of R\$ 221.4 million, significantly higher than the previous year, primarily because of a US\$98 million repurchase of part of its exposure in Residual Value Guarantees (RVGs) related to the ERJ 145 family.

# Net income and earnings per share

Embraer's net profit in 2013 was R\$ 777.7 million, an increase of 11% on 2012. Profits per share were R\$ 1.0668.

## Financial indicators

Embraer ended fiscal 2013 with a solid cash flow, expressed in a net cash position of R\$ 1,005.5 million, 59% higher than the previous year and outweighing indebtedness. This increase was due principally to the high level of deliveries and the strong generation of free cash flow in the final quarter of the year; free cash flow ended the year at R\$ 568.1 million. Embraer's total cash position rose by R\$ 1,292.2 million to stand at R\$ 6,146.1 million at the end of 2013.

Embraer closed the year with gross indebtedness of R\$ 5,140.6 million, 22% higher than the year earlier owing to an increase in long-term borrowing. In September 2013, the Company carried out a successful debt exchange operation, in which US\$ 146.4 million of bonds maturing in 2017 and US\$ 337.2 million maturing in 2020 were exchanged for new paper maturing in 2023. The exchange extended the average maturity of the Company's debt, taking it to 6.2 years. As a result of the operation, the cost of debt held in US Dollar fell from 6.10% to 5.81% a year, and the cost of debt denominated in Brazilian Real rose from 4.7% to 6.17% per year.

Embraer's cash allocation strategy continues to be one of its main tools for mitigating exchange rate risk. First, by achieving a balance of assets denominated in Real and Dollar, the Company seeks to neutralize the impact of its exchange-rate exposure on the balance sheet. At the end of 2013, the proportion of cash held in each currency was exactly 50%. Second, the Company carries out exchange-rate hedging operations to manage its exposure to cash flow denominated in Brazilian Real. In 2014, nearly 60% of Real-denominated cash flow is hedged.

Inventories ended the year at R\$ 5,358.3 million, up 22% on the previous year largely owing to the appreciation of the US Dollar during the period; otherwise inventories would have increased by 6% in real terms. Inventory turnover was largely stable at 2.0 in line with operational requirements and the Company's production cycle.

The 22% increase in gross indebtedness was fully compensated by an increase in net equity, resulting in the gross debt to equity ratio remaining stable at 0.6. Total assets rose by 23% and asset turnover remained stable at 0.6. Return on Assets (ROA) and Return on Equity (ROE) were 3.3% and 9.1% respectively, virtually stable on the previous year.

# Value-added Statement (VAS) GRI ECI

The purpose of the VAS is to show the wealth Embraer generates and distributes to stakeholder groups represented by shareholders, employees, financial institutions and the municipal, state and federal governments. Added value totaled R\$ 4,906.3 million and represented 36% of net revenue in 2013.

Consolidated R\$ million	2013	2012	2011
Revenue	15,163.1	13,094.6	10,403.1
Inputs Acquired from Third Parties	(9,968.8)	(8,774.6)	(7,691.6)
Gross Value Added	5,194.3	4,320.0	2,711.5
Depreciation and Amortization	(633.3)	(545.7)	(401.2)
Net Value Added Produced by the Company	4,561.0	3,774.3	2,310.3
Value Added Received in Transfer	345.3	276.8	268.5
Total Value Added for Distribution	4,906.3	4,051.1	2,578.8
Distribution of Value Added	4,906.3	4,051.1	2,578.8
Staff	2,368.5	2,089.5	1,357.9
Government (taxes, levies and contributions)	1,126.0	977.8	612.8
Interest payments and rents	625.4	284.8	436.8
Interest on own capital and dividends	202.1	182.5	226.2
Retained profits/losses	575.6	515.3	(69.9)
Participation of non-controllers	8.7	1.2	15.0

## Taxes and social contributions

The taxes, social contributions, and municipal, state and federal fees that measure part of Embraer's contribution to society totaled R\$ 1,126.0 million in fiscal 2013.

# Capital market

Embraer's shares have been listed on the New Market (Novo Mercado) of the São Paulo Stock Exchange (Bolsa de Valores de São Paulo - BM&FBovespa) since 1989 and on the New York Stock Exchange (NYSE) via American Depositary Receipts (ADRs), level III, since 2000.

In 2013, Embraer continued to be listed in the theoretical portfolios of the Brazil Index (Índice Brasil - IBrX) as well as in the Special Corporate Governance Stock Index (Índice de Ações com Governança Corporativa - IGC), the Special Tag Along Stock Index (Índice de Ações com Tag Along Diferenciado - ITAG), the Industrial Sector Index (Índice do Setor Industrial - INDX) and the Bovespa Value Index 2<sup>nd</sup> line (Índice Valor Bovespa 2<sup>a</sup> Linha - IVBX-2). In addition, the Company

**DIVIDENDS DISTRIBUTED** 

26%

2013

26%

2012

R\$ Million

116%

2011

dividends

- pavou

re-joined Bovespa's IBrX50 portfolio and the 2014 Corporate Sustainability Index (Índice de Sustentabilidade Empresarial - ISE).

In the US, for the fourth consecutive year, Embraer was selected for inclusion in the 2013/2014 Dow Jones Sustainability Index (DJSI).

Embraer's shares (EMBR3) traded on the BM&FBovespa at R\$ 18.89 at the end of 2013, 31% higher than at the close of the previous year, while the overall index was down 15% over the same period. The American Depositary Shares (ADS) of the Company (ERJ) listed on the NYSE traded at US\$ 32.18 at the end of the year, up 13%, compared to a 27% rise in the Dow Jones index.

Embraer's market capitalization reached US\$ 5.9 billion at the end of 2013, up from US\$ 5.3 billion a year earlier.

# Distribution of controlling company results and shareholder remuneration

In 2013, Embraer distributed R\$ 202,2 million to its shareholders, comprising R\$ 153.2 million of interest on own capital and R\$ 49 million in dividends. This represented a payout of 26% of consolidated net profits of R\$ 777.7 million. Profits per share were R\$ 1.07.



#### **ERJ - NYSE PERFORMANCE** 01/01/2013 = 100











20















EMBRAER

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# BOLDNESS AND INNOVATION ARE OUR HALLMARKS

# INNOVATING FOR GROWTH

Thanks to a culture and internal procedures strongly geared towards stimulating innovation, Embraer is known for being fertile in cutting edge technologies

Continuous innovation is what keeps Embraer among the biggest companies in the global aviation sector. Each year, the Company creates new initiatives designed to spur its employees onto new ideas, always providing the support to implement them.

The Innovation Policy and the Innovation Management Model contain, respectively, the principles and requirements for Embraer's innovation processes. The Company's chief tool for instilling a fertile internal atmosphere and stimulating innovation-oriented activities is the Innova program, which provides mechanisms and physical spaces that favor the development and consolidation of innovative ideas.

Embraer also has a team dedicated exclusively to researching and making viable new technologies and processes that might add value to the Company. On average, this team develops 40 to 50 projects a year, based on a periodic analysis of market needs and the global technological environment.

# Incentive programs

Innova works through both spontaneous and stimulated innovation. In the case of the first, the Green Light program evaluates innovative proposals submitted voluntarily by employees. When a proposal is approved, its proponents receive time and resources to develop their projects.

The Innova Challenge program works to stimulate innovation: managers set a challenge for their subordinates, who then work together to devise and flesh out possible solutions. The 12 challenges launched in 2013 generated 539 ideas. Based on these ideas, 24 prototypes went into a final implementation phase in 7 innovation projects.





# NATIONAL INNOVATION AWARD

Technological Innovation Project category of the National Innovation Prize awarded jointly by the Brazilian National Industry Confederation (CNI), Brazilian Support Service for Small and Micro Enterprises (SEBRAE) and the Competitive Brazil Movement (Movimento Brasil Competitivo). The winning project was Embraer's new AHEAD-PRO - Aircraft Health Analysis and Diagnosis system. This preventive monitoring system was created to provide constant real-time updates on the operating condition of the aircraft's components.

The Innovation Reward Program is a new initiative established in 2013. On the principle that all successful innovations should be recognized and celebrated, systematic procedures were set up to capture, analyze and reward such achievements. In 2013, 235 people were recognized for 95 innovations, both spontaneous and stimulated.

# A collaborative environment

Embraer also continues to operate its Good Idea Program, which encourages employees to submit suggestions for ways to improve performance on operational safety, ergonomics and the environment. In 2013 the Program celebrated its 25<sup>th</sup> year of operation, with a total of 50 thousand new ideas put into practice.

Of the 13,074 ideas put forward during 2013, 7,660 were put into practice, generating cost savings of close to US\$ 34.1 million.

# The knowledge-creation network

As well as developing new technologies in house, Embraer has a program able to co-ordinate and execute multidisciplinary projects in partnership with teaching and research institutes in Brazil and overseas; these projects operate as a knowledge network.

An example is the Cabin Comfort and Design project, developed in partnership with São Paulo University (Universidade de São Paulo - USP), Santa Catarina University (Universidade Federal de Santa Catarina - UFSC) and the Federal University of São Carlos

(Universidade Federal de São Carlos - UFSCar), with financial support from the São Paulo Research Foundation (Fundação de Amparo à Pesauisa do Estado de São Paulo - FAPESP) and the federal government's Funding Authority for Studies and Projects (Financiadora de Estudos e Projetos -FINEP). The main results of the project were the generation of knowledge and building of in-house skills for developing passenger-focused aircraft interiors, along with the creation in USP of a new Center for Engineering Comfort (CEC).

Embraer also signed a partnership with UFSCar and the National Paralympic Committee for the Universal Cabin project; this aims to facilitate the collection of data through monitoring the travel and day-to-day activities of athletes with physical or visual impairments.

In addition to these activities, Embraer also participates actively in discussions with leading business and government figures to strengthen public policies around the National Innovation System, so as to encourage technological innovation in the corporate sector and research into emerging technologies.

# **Product Lifecycle** Management

In 2013 Embraer launched a project to modernize its Product Lifecycle Management (PLM) program. Advantages include a shortening of the development cycle for new products and the prospect that these enter operation at a more advanced stage of maturity.



INNOVATION IN FIGURES

of Embraer's net income was generated by innovations put into effect

between 2009 and 2013

innovations implemented in 2013

patents were applied for between 2009 and 2013

patents were awarded between 2009 and 2013







# A GOOD PLACE TO WORK

Every year, Embraer invests in new tools and people management programs to ensure its staff achieve job satisfaction and uphold the Company's values

Embraer's prime intangible assets are its employees. Their intelligence, experience and individual contributions are what keep the Company at the technological cutting edge and make it a global watchword for innovation. With a view to retaining this talent, which is so critical to preserving the Company's competitiveness and leadership, Embraer seeks to provide favorable working conditions, professional development plans and quality of life and well-being.

The Company ended december 2013 with 19,278 employees, of which 17,302 were based in Brazil and 1,976 abroad. In Brazil, 99.3% of the employees are full time and permanent. In addition, there were a further 2,370 employees in partly-owned or controlled subsidiaries at the end of 2013. GRI LA1

NUMBER OF EMPLOYEES	2011		2012	2012		
BY FUNCTIONAL LEVEL GRI LA1	Male	Female	Male	Female	Male	Female
Director	65	5	60	6	84	7
Manager	212	29	212	33	364	55
Supervisor	575	58	592	56	670	68
Pilot	89	0	85	0	104	0
Engineer	2,871	368	3,083	416	3,642	526
Professional	1,022	744	1,024	774	1,263	956
Technician Technician	2,031	166	2,074	179	2,940	258
Administrative	437	256	461	282	487	387
Operational	6,459	464	6,320	444	6,697	533
<b>Trainee</b>	40	2	45	51	38	40
Apprentice	64	32	86	42	104	55
Total by gender	13,865	2,124	14,042	2,283	16,393	2,885
Total	15	5,989	10	5,325	19	7,278

<sup>\*</sup>Figures include units in Brazil and abroad

PERSONNEL BY TYPE OF	2011	2011			2013 (*)	2013 (*)		
CONTRACT GRI LA1	Male	Female	Male	Female	Male	Female		
Fixed term	-	-	-	-	264	90		
Permanent	13,865	2,124	14,042	2,283	16,129	2,795		
Total by gender	13,865	2,124	14,042	2,283	16,393	2,885		
Total	15	5,989	16	16,325		19,278		

<sup>\*</sup>Figures include units in Brazil and abroad

NUMBER OF EMPLOYEES IN PAR	TIALLY-OWNED SUBSIDIARIES
CHINA (Joint Venture)	216
OGMA (Portugal)	1,567
ECTS (US and UK)	41
Atech (Brazil)	212
OrbiSat (Brazil)	249
Harpia (Brazil)	5
Visiona (Brazil)	22
Savis (Brazil)	58
Total	2,370

	2012		2013 (*)			
	Male	Female	Male	Female		
otal by gender	4.70%	1.70%	8.89%	2.30%		
otal		6.50%		11.19%		
MPLOYEE TURN	OVER BY GENDER	(STAFF DEPARTURES/ TOTAL F	PERSONNEL AT END-PERIO	D) GRI LA2		
otal by gender	3.70%	0.90%	3.73%	0.88%		
otal		4.60%		4.61%		

<sup>\*</sup>Figures refer to operations in Brazil and abroad

HIRING 20	13 (BRAZIL	OPERA	(IONS				
Unit Area	Category Age	Male		Femo	ıle	Overa	ll Total
BHZ	30 to 50	8	0.0%	1	0.01%	9	0.1%
ВПΖ	Up to 30	28	0.2%	4	0.02%	32	0.19%
BHZ Total		36	0.2%	5	0.03%	41	0.24%
ВОТ	30 to 50	44	0.3%	13	0.08%	57	0.34%
ВОТ	Up to 30	192	1.1%	23	0.14%	215	1.28%
BOT Total		236	1.4%	36	0.21%	272	1.61%
BSB	Up to 30		0.0%	1	0.01%	1	0.01%
BSB Total			0.0%	1	0.01%	1	0.01%
	30 to 50	52	0.3%	6	0.04%	58	0.34%
GPX	Over 50	3	0.0%		0.00%	3	0.02%
	Up to 30	170	1.0%	31	0.18%	201	1.19%
GPX Total		225	1.3%	37	0.22%	262	1.55%
	30 to 50	171	1.0%	51	0.30%	222	1.32%
SJK	Over 50	8	0.0%	3	0.02%	11	0.07%
	Up to 30	603	3.6%	206	1.22%	809	4.80%
SJK Total		782	4.6%	260	1.54%	1,042	6.18%
SOD	30 to 50	11	0.1%	1	0.01%	12	0.07%
300	Up to 30	3	0.0%	1	0.01%	4	0.02%
SOD Total		14	0.1%	2	0.01%	16	0.09%
TTE	30 to 50	2	0.0%	2	0.01%	4	0.02%
HE	Up to 30	12	0.1%	10	0.06%	22	0.13%
TTE Total		14	0.1%	12	0.07%	26	0.15%
Overall Total		1,307	7.8%	353	2.09%	1,660	9.85%

Hiring and turnover rates were calculated as a percentage of average total Embraer personnel in 2013. (16,856.67)

EMPLOYER	DEPARTUR	ES 20	13 (BRAZ	IL OPI	ERATIONS)	GRI LA	2	
Unit	Category Age	Male	Male		Female		Overall Total	
BHZ	Up to 30	3	0.0%	3	0.0%	6	0.0%	
BHZ	30 to 50	1	0.0%		0.0%	1	0.0%	
BHZ Total		4	0.0%	3	0.0%	7	0.0%	
	Up to 30	49	0.3%	17	0.1%	66	0.4%	
BOT	30 to 50	41	0.2%	3	0.0%	44	0.3%	
	Over 50	4	0.0%		0.0%	4	0.0%	
BOT Total		94	0.6%	20	0.1%	114	0.7%	
	Up to 30	39	0.2%	2	0.0%	41	0.2%	
GPX	30 to 50	49	0.3%	6	0.0%	55	0.3%	
	Over 50	7	0.0%		0.0%	7	0.0%	
GPX Total		95	0.6%	8	0.0%	103	0.6%	
	Up to 30	115	0.7%	39	0.2%	154	0.9%	
SJK	30 to 50	177	1.1%	50	0.3%	227	1.3%	
	Over 50	68	0.4%	3	0.0%	71	0.4%	
SJK Total		360	2.1%	92	0.5%	452	2.7%	
	Up to 30	7	0.0%	4	0.0%	11	0.1%	
TTE	30 to 50	5	0.0%	5	0.0%	10	0.1%	
	Over 50	1	0.0%	2	0.0%	3	0.0%	
TTE Total		13	0.1%	11	0.1%	24	0.1%	
Overall Total		566	3.4%	134	0.8%	700	4.2%	

	CATEGOR			0010			0010		
	2011	1	1	2012	<u> </u>	1	2013		1
	Male	Female	Total	Male	Female	Total	Male	Female	Total
	1				CATEGORY N				
Board of Directors	100%	0%	100%	100%	0%	100%	100%	0%	100%
Directors	93%	7%	100%	91%	9%	100%	89%	11%	100%
Managers	88%	12%	100%	87%	13%	100%	86%	14%	100%
Supervisors	91%	9%	100%	91%	9%	100%	92%	8%	100%
Engineers	89%	11%	100%	88%	12%	100%	87%	13%	100%
Pilots	100%	0%	100%	100%	0%	100%	100%	0%	100%
Salespeople	100%	0%	100%	100%	0%	100%	100%	0%	100%
Professionals	58%	42%	100%	57%	43%	100%	57%	43%	100%
Administrative	63%	37%	100%	62%	38%	100%	58%	42%	100%
Technicians	92%	8%	100%	92%	8%	100%	91%	9%	100%
Operational	93%	7%	100%	92%	8%	100%	92%	8%	100%
Trainees	N/D	N/D	N/D	N/D	N/D	N/D	59%	41%	100%
	1			BLAG	CK (%)				
Managers	0.01	-	0.01	0.01	-	0.01	0.01	-	0.01
Supervisors	0.02	-	0.02	0.02	-	0.02	0.02	-	0.02
Engineers	0.09	0.01	0.10	0.12	0.01	0.13	0.12	0.02	0.14
Professionals	0.04	0.01	0.05	0.06	0.01	0.07	0.08	0.01	0.09
Administrative	0.05	0.01	0.06	0.03	0.06	0.09	0.04	0.03	0.07
Technicians	0.13	-	0.13	0.13	-	0.13	0.15	-	0.15
Operacionais	0.96	0.06	1.02	0.92	0.04	0.96	0.92	0.06	0.98
				ASIA	AN (%)				
Directors	0.01	-	0.01	0.01	-	0.01	-	-	-
Managers	0.03	0.01	0.04	0.03	0.01	0.04	0.03	0.01	0.04
Supervisors	0.13	0.01	0.14	0.12	0.01	0.13	0.13	0.01	0.14
Engineers	1.21	0.08	1.29	1.19	0.09	1.28	1.09	0.09	1.18
Pilots	0.02	-	0.02	0.02	-	0.02	0.01	-	0.01
Salespeople	0.01	-	0.01	0.01	-	0.01	0.01	-	0.01
Professionals	0.19	0.15	0.34	0.17	0.15	0.32	0.14	0.14	0.28
Administrative	0.01	0.01	0.02	-	-	-	-	0.01	0.01
Technicians	0.35	0.03	0.38	0.31	0.02	0.33	0.26	0.01	0.27
Operational	0.13	0.01	0.14	0.15	0.01	0.16	0.12	0.01	0.12
				MIXED	RACE (%)				
Managers	0.01	-	0.01	0.01	-	0.01	0.01	-	0.01
Supervisors	0.11	0.01	0.12	0.10	0.01	0.11	0.11	0.01	0.12
Engineers	0.27	0.04	0.31	0.25	0.05	0.30	0.27	0.04	0.31
Professionals	0.11	0.05	0.16	0.13	0.06	0.19	0.12	0.06	0.18
Administrative	0.09	0.06	0.15	0.09	0.07	0.16	0.06	0.04	0.10
Technicians	0.51	0.05	0.56	0.51	0.05	0.56	0.44	0.05	0.49
Operational	2.07	0.16	2.23	1.92	0.14	2.06	1.81	0.12	1.93

	2011 2013								
	Male	Female	Total	Male	Female	Total	Male	Female	Total
				WHI	TE (%)				
Directors	0.39	0.03	0.42	0.36	0.04	0.40	0.34	0.04	0.38
Managers	1.28	0.17	1.45	1.25	0.19	1.44	1.10	0.17	1.27
Supervisors	3.35	0.34	3.69	3.38	0.32	3.70	3.33	0.31	3.65
ingineers	16.39	2.17	18.56	17.33	2.40	19.73	18.64	2.78	21.42
Pilots	0.54	-	0.54	0.50	-	0.50	0.45	-	0.45
Galespeople	0.06	-	0.06	0.05	-	0.05	0.03	-	0.03
Professionals	5.99	4.45	10.44	5.86	4.52	10.38	5.91	4.56	10.47
Administrative	2.58	1.53	4.11	2.98	1.92	4.90	2.55	1.84	4.39
Technicians Technicians	11.71	0.96	12.67	11.75	1.02	12.77	12.14	1.17	13.30
Operational	37.88	2.88	40.76	36.25	2.79	39.04	35.05	2.92	37.98
				INDIGENOL	IS INDIAN (%)				
Operational	0.01	-	0.01	0.01	-	0.01	0.01	-	0.01
			EM	IPLOYEES WIT	H DISABILITIES	(%)			
Directors	0.01	-	0.01	0.01	-	0.01	0.01	-	0.01-
Managers	0.06	-	0.06	0.06	-	0.06	0.04	-	0.04
Supervisors	0.23	-	0.23	0.23	-	0.23	0.22	0.01	0.23
ngineers	0.60	0.01	0.61	0.57	0.01	0.58	0.54	0.01	0.55
Pilots	0.04	-	0.04	0.04	-	0.04	0.03	-	0.03
Salespeople	0.01	-	0.01	0.01	-	0.01	-	-	-
Professionals	0.24	0.05	0.29	0.23	0.05	0.28	0.25	0.03	0.28
Administrative	0.19	0.04	0.24	0.47	0.35	0.82	0.38	0.27	0.65
echnicians	0.83	0.02	0.85	0.77	0.02	0.79	0.72	0.02	0.74
Operational	2.21	0.03	2.24	2.02	0.06	2.08	1.85	0.07	1.92
[otal	4.43 <sup>2</sup>	0.16	4.58 <sup>3</sup>	4.40	0.48	4.894	4.05	0.61	4.46
		A	GE GROUP (%	%) – EACH CA	ATEGORY MUS	ST SUM TO 100	0%		
	Under 30	30 to 50	Over 50	Under 30	30 to 50	Over 50	Under 30	30 to 50	Over 50
				Ві	azil				
Male	83.77	87.38	94.07	82.22	86.77	94.31	81.47	86.24	93.81
Female	16.23	12.62	5.93	17.78	13.23	5.69	18.53	13.76	6.19
					de Brazil				
Male	23.87	21.13	11.20	80.97	79.26	88.62	82.06	78.52	87.27
Female	76.13	78.87	88.80	19.03	20.74	11.38	17.94	21.48	12.73

<sup>&</sup>lt;sup>1</sup>Data refer to Brazil operations, except for the last table (% by age group) which offers a breakdown between Brazilian and foreign operations.

 $<sup>^{2}</sup>$ There was a discrepancy in summing this indicator in the previous report. The figure reported in 2012 was 4.34%

<sup>&</sup>lt;sup>3</sup>There was a discrepancy in summing this indicator in the previous report. The figure reported in 2012 was 4.61%

<sup>&</sup>lt;sup>4</sup>There was a discrepancy in summing this indicator in the previous report. The figure reported in 2012 was 4.91%

#### LOWEST SALARY PAID AT COMPANY'S OPERATIONAL UNITS RELATIVE TO OFFICIAL MINIMUM WAGE GRI EC5

Gender	Lowest salary paid by Company	Official minimum wage used as reference	Percentage over official minimum wage (%)
Male	BRL 1,155.00	BRL 680.00	69.85%
Female	BRL 1,148.62	BRL 680.00	68.91%
Male	CNY 9,500.00	CNY 1,400.00	578.57%
Female	CNY 7,000.00	CNY 1,400.00	400.00%
Male	USD 2,621.41	USD 1,256.67	108.60%
Female	USD 2,588.42	USD 1,256.67	105.98%
Male	EUR 1,890.00	EUR 1,445.38	30.76%
Female	EUR 1,475.23	EUR 1,445.38	2.07%
Male	EUR 700.00	EUR 485.00	44.33%
Female	EUR 821.54	EUR 485.00	69.39%
Male	SGD 1,943.00	NA	NA
	SGD 2,207.00	NA	NA
	Male Female Male Female Male Female Male Female Male Female Female	Gender         paid by Company           Male         BRL 1,155.00           Female         BRL 1,148.62           Male         CNY 9,500.00           Female         CNY 7,000.00           Male         USD 2,621.41           Female         USD 2,588.42           Male         EUR 1,890.00           Female         EUR 700.00           Female         EUR 821.54           Male         SGD 1,943.00	Gender         Lowest salary paid by Company         minimum wage used as reference           Male         BRL 1,155.00         BRL 680.00           Female         BRL 1,148.62         BRL 680.00           Male         CNY 9,500.00         CNY 1,400.00           Female         CNY 7,000.00         CNY 1,400.00           Male         USD 2,621.41         USD 1,256.67           Female         USD 2,588.42         USD 1,256.67           Male         EUR 1,890.00         EUR 1,445.38           Female         EUR 700.00         EUR 485.00           Female         EUR 821.54         EUR 485.00           Male         SGD 1,943.00         NA

<sup>1</sup>In the case of China, the especially large gulf between Embraer's basic pay and the local minimum wage reflects the fact that the Company's activity in this country is largely administrative.

#### On the Path to Greater Diversity

At the start of 2013, the Government of the State of São Paulo awarded Embraer the Paulista Diversity Seal in recognition of the Company's efforts to promote social inclusion and diversity. The Company's chief initiative

in this regard is the Embraer On The Path to Diversity program. Launched in 2012, it aims to provide training for individuals with disabilities to equip them for the labor market and increase their employability. To this end, Embraer developed a two-year apprenticeship program in partnership with the Center for Business-Schools Integration (Centro de Integração Empresa-Escola - CIEE) and the National Service for Industrial Apprenticeship (Serviço Nacional de Aprendizagem Industrial – SENAI). The program offers 100 places for individuals with disabilities. They spend the first year with the Company's partner institutions acquiring work skills and technical qualifications; the second year entails a handson apprenticeship at Embraer.

## New tool for people management

2013 saw the implementation of the My Embraer system, a new integrated people management tool. Using a single global database, the tool encourages the integration of all people management processes, from attracting an employee to when they leave the Company. It provides both managers and employees with easy access to information on an employee's profile, professional development and performance.

# **Embraer and workplace** environment indices

In the first half of 2013, Embraer carried out a workplace business units and departments.

Other important indicators are the external awards Embraer received in 2013:

• AON Hewitt/ Valor Econômico survey: elected Brazil's

- Great Place to Work Institute/Época magazine survey: as of the best companies to work for.
- Guide to the Best Companies to Work For (As Melhores Empresas para Você Trabalhar)/ Você S.A. and Exame
- best companies to work for in Latin America.
- Florida Trend: elected one of the best places to work

# Professional development

With a view to developing professionals capable of generating distinctive value for the Company's stakeholders on a sustainable basis, Embraer invests in training and capacity-building.

Embraer uses professional development systems tailored to each level of seniority, functional sphere and business area. These take into account three dimensions: work experience, training courses completed and experience outside the Company.

In 2013 Embraer registered an increased number of training hours in comparison to the previous year. A total of 17,252 employees located in Brazil and elsewhere took part in courses, amounting to 151,000 training sessions over 751,000 hours. Total investment was approximately R\$ 11.5 million.

Another highlight of the Company's approach to supporting professional development is the Study Scholarship program, through which Embraer awards grants to cover part of the cost of technical college or university courses relevant to the business. In 2013, the benefit was extended to 235 employees, for a total investment of R\$ 226,799.

Embraer also has a Post-Career Program for continuous learning and competency development for professionals about to retire. In 2013, 80 employees participated in the program, entailing investment of R\$ 170,476.



In partnership with the Technological Institute of Aeronautics (Instituto Tecnológico de Aeronáutica – ITA) Embraer is developing the Engineering Specialization Program (Programa de Especialização em Engenharia – PEE). Aimed at recent graduates of various engineering disciplines, the PEE is a 16-month professional master's program in aeronautical engineering.

Since 2001, the program has trained more than 1,300 engineers. In 2013, 120 engineers participated in the PEE, entailing total investment of approximately R\$ 8 million.

#### AVERAGE NUMBER OF TRAINING HOURS PER YEAR, BY FUNCTIONAL AREA AND GENDER GRI LA10

Functional area/seniority	2011		2012		2013	
	Male	Female	Male	Female	Male	Female
Directors	29.6	34.4	43.8	64.7	24.9	32.3
Management	35.5	40.4	36.2	44.3	31.1	41.5
Team Leaders/ Coordinators	44.2	43.8	48.9	45.7	52.0	30.1
Technical/ Supervision	55.5	63.8	51.3	59.3	46.3	57.0
Administrative	41.3	40.8	45.0	36.3	35.4	32.6
Operational	32.8	30.4	33.4	26.7	39.4	37.4
Trainee	46.7	38.4	97.7	55.7	73.3	65.6
Total	43.1	45.2	44.4	45.3	44.0	41.3

Facilities located in Brazil and abroad

Competency management, continuous learning and end-of-career programs GRI LA11		Internal courses and Pre-Retirement Planning		
	Number of participants	121		
2011	Amount invested (R\$)	114,092		
	Number of grants awarded	195		
2012	Number of participants	147		
	Amount invested (R\$)	280,010		
	Number of grants awarded	176		
2013	Number of participants	80		
	Amount invested (R\$)	170,476		
	Number of grants awarded	80		

Values refer to facilities located in Brazil and abroad

#### Percentage of employess that received a perfomance appraisal and career development plan (%) GRI LA 12

	2011		2012		2013	
	Male	Female	Male	Female	Male	Female
Competency Assessment	98.8	97.7	N/A*	N/A*	99.3	99.3

Operations in Brazil

The Embraer Designer Program (Programa Projetista Embraer – PPE) focuses on training technical staff to work as aeronautical designers. In 2013, 58 participants completed the course, which was carried out in partnership with the Paulo Souza Center, under the aegis of the Technology Faculties (Faculdades de Tecnologia, FATECs) of São José dos Campos (Brazil).

In 2014, the Embraer Bussiness Leader School will enter into operation, establishing and confirming the Company's pedagogical model.

## Competency assessment

All Embraer personnel, including those in leadership positions, undergo annual competency assessments. With the introduction of the new personnel management tool, My Embraer, the entire process was completed online in 2013. Among other objectives, the assessments seek to ensure staff members are aligned with the Company's organizational philosophy; to define Individual Development Plans (Plano de Desenvolvimento Individual - PDIs); and to show the employee and his/her manager the progress achieved. In 2014, the assessment procedure will be the same across all Embraer's global operations.

#### Remuneration and benefits GRI LA3

In setting compensation, Embraer takes into account factors such as job complexity, individual performance and market benchmarks, the latter established through periodic salary surveys. In keeping with legislation and best practice in the market, the Company offers its Brazil-based employees and their dependents a health plan that covers consultations, therapies, tests and unlimited hospitalizations. Other benefits include: a dental plan, meals, transport, child care assistance, pharmacy benefits, 180 days of maternity leave, support to parents of children with special needs, life insurance and a complementary pension plan, among others.

<sup>\*</sup>Owing to the launch of My Embraer, competency assessments were not carried out in 2012

# Complementary Pension Plan GRIEGS

Embraer offers its Brazil-based employees the EmbraerPrev plan, a defined-contribution complementary pension plan. Participation is voluntary, in accordance with Brazilian leaislation.

Each participant sets his or her individual contribution within defined salary parameters. Embraer makes matching contributions

In 2013, assets held in coverage of the plan totaled R\$1.2 billion.

This benefit is also offered to employees of Embraer's facilities in the US and France, in versions adapted to local market conditions

# Health and safety

Embraer's actions to ensure a safe working environment led to it being recognized once again as a leader among aerospace and defense companies for health and safety practices, with its inclusion in the Dow Jones Sustainability Index (DJSI) for the fourth consecutive year.

Health and safety indicators are monitored and discussed by the Company's top leadership, supported by Embraer's Policy for the Environment, Occupational Health and Safety. In addition, for the past ten years Embraer has retained its OHSAS 18001 international occupational health and safety certification.

The Embraer Entrepreneurial Excellence Program (P3E), has a specific module addressing health and safety issues, with a view to promoting continuous improvements in working procedures and making them ever safer –including for outsourced personnel.

Other initiatives aimed at promoting a safe environment and preventing accidents are as follows:

- Educational Initiatives Plan aimed at strengthening the health and safety culture, it is sponsored by the company's Directors and involves key corporate leaders and other employees in daily practice of the "Five Golden Rules for Health and Safety".
- Behavioral Program through group work, this program encourages a team safety ethos and encourages the reporting of near-accidents and risk situations with a view to reducing the number of incidents.
- Embraer Occupational Therapy Program (Programa Embraer de Reequilíbrio Tensional Ocupacional – PERTO) – works on prevention in conjunction with physiotherapy specialists who advise on muscular conditioning and practical reorientation procedures in the workplace.
- Managing Ergonomic Risk Factors in partnership with the Federal University of São Carlos (UFSCar), this initiative identifies and analyzes ergonomic risks at workstations and develops solutions.

# 47%

reduction in the frequency rate of accidents requiring absence and 16% reduction in the frequency rate of accidents overall

An Internal Accident Prevention Committee (Comissão Interna para Prevenção de Acidentes - CIPA) has been in operation at Embraer since 1971. The number of members in CIPA is defined by regulatory norm NR-05 of Administrative Ruling no. 3124/78 issued by Brazil's Labor Ministry, and depends on availability of personnel at each facility. The Committee meets once a month to discuss employee health and safety issues; minutes from the meeting are sent to the respective labor unions.

Embraer fully applies all clauses of collective bargaining agreements signed by its union representatives. These include specific items concerning occupational safety, such as individual protective equipment; joint health and safety committees comprising managers and workers; the right to refuse unsafe work; periodic inspections; adherence to International Labor Organization (ILO) and Global Compact norms; and issues relating to CIPA, among others. GRI LA9

# PERCENTAGE OF EMPLOYEES REPRESENTED BY FORMAL HEALTH AND SAFETY COMMITTEES GRI LA6

CIPA - Internal Accident	2011	2012	2013
Prevention Committee	100%	100%	100%
Total number of CIPA members	140	140	140

# INJURY RATES, OCCUPATIONAL ILLNESSES, LOST WORK DAYS, ABSENTEEISM AND JOB-RELATED DEATHS, BY REGION AND GENDER GRI LA7

AND JOD-KLLAILD DLAIID, DI KLOIC	IN AND GLINDL	K GKI LA/				
EVALUATION CRITERIA	2011	2012	2013			
Number of accidents requiring absence 1.2	84	73	41			
Number of accidents without absence	148	148	155			
Number of employees at facilities <sup>3</sup>	15,095	15,297	16,490			
Number of accidents per employee <sup>4</sup>	0.015	0.014	0.011			
Total hours actually worked (HAW) <sup>5</sup>	28,968,055.98	28,503,764.8	30,304,034.48			
Number of days lost to accidents	7,448	787	564			
Rate of days lost <sup>6</sup>	257.11	27.61	18.61			
Frequency rate of accidents requiring absence 7	2.90	2.56	1.35			
Index of frequency of accidents with and without absence 8	8.01	7.75	6.47			
Investment in accident and illness prevention, per employee (R\$)	R\$ 745.21	R\$ 1,162.60	R\$ 1,074.85			
Frequency rate of occupational illnesses °	0.28	0.39	0.40			
Number of occupational illnesses 10	8	11	12			
Number of days lost to illness	239	231	657			
Absenteeism rate 11,12	4.32	4.7	N/D			
Accidents resulting in death	1	0	0			
EVALUATION CRITERIA – THIRD PARTIES						
Index of frequency of accidents with and without absence	13.65	8.85	9.23			

1 - Accidents requiring absence from work include a fatal accident that occurred in 2011 and was computed at 6,000 days lost, in accordance with NBR 14.280 (a Brazilian regulation).

Accidents resulting in death

- 2 Accidents requiring absence from work are those where the employee does not return to work the day after the incident.
- 3 The number of employees was based on the total for all Embraer's Brazilian operations in December of each year.
- 4 The number of accidents per employee was calculated by dividing the number of employees by the total number of accidents.
- 5 HAW (hours actually worked) including overtime plus the normal employee workday of 8 hours and 36 minutes; the 2013 figure includes the addition of the HAW at Embraer Ltd.'s offices in Brasilia, Belo Horizonte, Parque Tecnológico, São Paulo and São Paulo Nacões Unidas.
- 6 The rate corresponds to the total of days missed, divided by the HAW and multiplied by a million.
- 7 The total number of job-related accidents requiring absence from work divided by the HAW and multiplied by a million.
- 8 The total number of job-related accidents with and without absence from work divided by the HAW and multiplied by a million.

- 9 The total number of job-related illnesses with and without absence from work divided by the HAW and multiplied by a million.
- 10 The total number of job-related illnesses with and without absence from work measures new cases of illness
- 11 The absenteeism rate is an average proportionate to the number of employees in each unit.
- 12 The absenteeism rate takes into consideration all absences, including legal absences (such as maternity leave and blood donation), health-related, and unauthorized late arrivals and absences.
- 13 The HAW for third party personnel was estimated on the assumption of 220 hours per month per individual at the Faria Lima, Eugênio de Melo, and Taubaté facilities and in 2013 including the Gavião Peixoto e Botucatu facilities. 14 Transit accidents, whether or not they lead to absences, are not included in the data.
- 15 Investments in preventing accidents and illnesses, as well as in uniforms and individual protective equipment include expenditures and investments geared to ensuring or improving occupational safety conditions. They include training sessions, re-education programs, ergonomics, industrial hygiene, and improvements to machinery, equipment and support tools.



## Relations with labor unions GRI HR5 E LA4

Embraer fully respects its employees' freedom to join a labor union. At the Company's Brazil operations, 7.9% of personnel are unionized, but salary adjustments and other clauses negotiated in meetings with unions are extended to everyone, with the result that 100% of the Company's employees are covered by collective bargaining agreements.

These agreements cover workplace safety issues such as: individual protective equipment; health and safety committees comprised of leadership and employees; participation of employee representatives in health and safety inspections and accident investigations; among others.

# Quality of Life GRI LAS

Embraer has a range of different company programs focused on occupational health and employees' quality of life. The Well-Being program is a good example. Focusing on employees and their dependents, the program blends a set of initiatives that aim to stimulate the adoption of healthy habits. The Well-Being program entails the participation a range of specialist professionals, such as psychologists, doctors and nutritionists.

The program's "modules" are as follows:

- Well-Being without Cigarettes offers treatment to help quit smoking
- Well-Being without Drugs treats chemical dependency
- Well-Being with the Scales for healthy weight reduction
- Well-Being and Maternity provides help, advice and special absence leave for mothers
- Well-Being and the Heart guidance and monitoring for individuals with heart problems
- Well-Being with Physical Activity encourages physical and sports activities

- Well-Being and Stress encourages a review of habits and techniques for day to day stress management
- Well-Being and You to improve the health of those suffering from chronic illnesses, overweight, hypertension, diabetes and dyslipidemia.

Embraer also supports a Vaccination Program for all employees and their direct dependents. In 2013, the Company invested over R\$1.4 million in vaccinating more than 30 thousand employees and their families.

# **Embraer Values**

During 2013 Embraer carried out an extensive action plan to reinforce its Values concepts among all its employees worldwide, stimulating reflection and daily practice. In April, the Values were also formally instituted at Embraer's recently opened facility in Évora, Portugal.

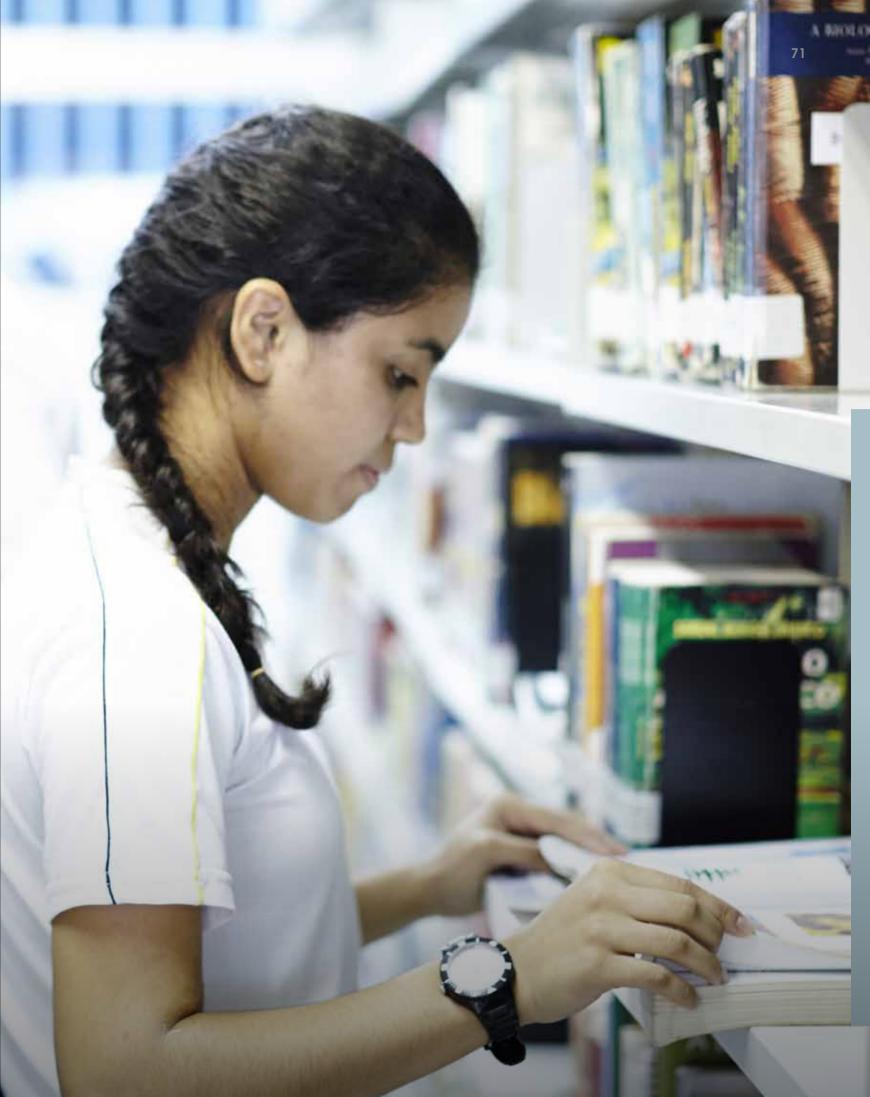
In December Embraer held its first Global Blue Day to celebrate the value "Global presence is our frontier". It entailed 30 hours of uninterrupted activities, involving all Embraer units and employees spread across all corners of the world.



# **Internal Communications**

The Excellence in Communications Program, which seeks to instill habits of continuous and high-quality internal communication, has seen the introduction of more modern electronic internal media. In April 2013, the CEO launched a blog on the Company's intranet as a means of communicating directly with employees in units all around the world and in which he talks about the Company's strategy and achievements.





# SUSTAINABILITY AS THE FOUNDATION **FOR DEVELOPMENT**

Sustainable management is a core part of strategy at Embraer, which sees care for the society and environment as an intrinsic part of good business performance

Embraer seeks to conduct its business by aligning economic objectives with socio-economic aspects, always with the goal of delivering client satisfaction and generating value for shareholders and employees.

In 2013, the Sustainability Committee was revamped and its internal norms defined. Composed of representatives from all over the Company, its role is to discuss sustainability issues affecting the Organization and to present strategic recommendations to top leadership. In 2014 the challenge is to extend the collection of sustainability indicators with a view to improving the Company's overall sustainability management.

# Environmental Responsibility GRI EN26

Throughout the year, environmental management was bolstered both by a review of the environmental directives and policies which guide the Company's activities, and by risk mitigation initiatives aimed at diminishing environmental risks and reducing environmental impacts.

With the update of the Environment and Occupational Health and Safety Policy, the Company has reinforced its principles and defined clear directives on themes such as eco-efficiency, supply chain engagement, product development (Design for Environment practices) and climate change concerns.

The Integrated Development of Environmentally Sustainable Products (Desenvolvimento Integrado do Produto Ambientalmente Sustentável - DIPAS) initiative, which was launched by Embraer in 2001 to embed environmental requirements into the development of new aircraft





#### **UPDATING OF ENVIRONMENTAL POLICY**

In 2013, Embraer updated its Environment and Occupational Health and Safety Policy (EOHS), which guides the Company's actions concerning the environment and occupational health and safety. The policy was rolled out to all the Company's facilities in Brazil and overseas. In general terms, its principles include the following:

- the environment and occupational health and safety are priority issues for Embraer:
- eco-efficiency and continuous improvement of occupational health and safety:
- fulfillment of all legal requirements in environmental and occupational health and safety legislation:
- combating pollution:
- concern with climate change;
- life-cycle management of the Company's products;
- integration of environmental and occupational health and safety applications

- development of new technologies with reduced impact on the environment and individuals:
- selection of suppliers and outsourced services that demonstrate respect for the environment and occupational health and safety norms in their practices and procedures;
- co-operation in developing products, processes, equipment and fuels with lower greenhouse gas emissions;
- adoption of new renewable energy sources;
- reduced use of non-renewable materials and increased use of recycled and recyclable materials.

including the E-Jets E2 family, continued its work in 2013. It achieved a reduction in the volume of waste produced during the manufacture of wiring along with a repurposing of waste materials generated by the manufacture of parts made from carbon fiber composites.

Also as part of the program, Embraer held lectures and, along with other entities such as the Brazilian Aeronautics Technology Institute (ITA) and the National Industry Confederation (CNI), developed courses and workshops on sustainability and Desian for Environment.

#### Biofuels Program GRI EN4, EN6 EN7, EN18

In 2013 Embraer, in partnership with the São Paulo Research Foundation (FAPESP) and Boeing, launched a white paper, the Flight Plan for Aviation Biofuels in Brazil. The document outlines pathways for the development in Brazil of a biofuels industry serving the air industry.

Researchers and Brazilian and foreign representatives of the aeronautics industry, airline companies, manufacturers and government agencies evaluated the opportunities and technological challenges; the various raw materials; conversion methods and logistics; along with the economic viability and sustainability of producing this type of fuel in Brazil.

The State University of Campinas (Universidade Estadual de Campinas - UNICAMP) coordinated the inter-disciplinary study. The biofuel resulting from this research and investment process would be drop-in; that is, it could be added to fossil fuels in existing structures such as ducts, tanks and pumps, as well as being used in the aircraft themselves, without creating any incompatibility or need for modifications.

#### Atmospheric emissions GRI EN16, EN17, EN18

Fuel consumption in the aeronautics industry and the resulting emissions of greenhouse gases (GHG) account for approximately 2% of all global emissions. In 2012, Embraer signed an aeronautics industry sustainability pact, an initiative of the Air Transport Action Group (ATAG) and an

extension of a commitment signed in 2008, which pledged a 50% reduction of GHG emissions by 2050, using 2005 as the base year.

In 2013, Embraer kept up its initiatives to reduce the volume of direct and indirect emissions. Some examples are as follows:

- Optimization of Operation 200 consisting of the collection of data on engine vibration levels during aircraft ground testing. The project's implementation resulted in a 757-liter reduction in average fuel consumption per aircraft manufactured.
- Heat exchanger use of heat generated by compressor cooling to heat water for the paint spray booth, saving 589,704 m³ of natural gas which would otherwise be used to supply this heat.
- Risk analysis for engine vibration shortening of additional production flights for the E190 aircraft, reducing emissions by 53 tons of CO<sub>2</sub>.
- Solar heating system to heat the water used for cleaning the kitchen and utensils of the restaurant in the Faria Lima unit in São José dos Campos (Brazil). The unit's roof has 180 solar panels, covering a total area of 12 x 13 meters. It is estimated that each m<sup>2</sup> of solar paneling reduces atmospheric emissions by 1 ton of CO<sub>2</sub> annually, although there is no specific calculation of how many gigajoules (GJ) of energy are saved as a result of the project. EN5

TOTAL DIRECT AND INDIRECT GHG	2011	2012	2013	Change		
EMISSIONS (EN3) BY SOURCE GRI EN16		(Tons CO₂ equivalent)				
Electricity, heat or steam generation						
Other combustion processes	35,291.4	31,324.1	49,567.17	58.24%		
Physical-chemical processing						
Transport of materials, products and waste						
Vent openings						
Fugitive emissions	1,356.1	2,150.7	2,343.42	8.96%		
Indirect emissions (EN4) – not taking into account travel-	-related emissions			Change		
Purchased electricity, heat or steam generation (EN4)	3,275.6	8,117.8	11,603.34	42.94%		
Total direct and indirect emissions (Tons CO <sub>2</sub> equivalent)	39,923.1	41,592.6	63,513.92	52.70%		

#### OTHER SIGNIFICANT INDIRECT GHG EMISSIONS, BY WEIGHT GRI EN17

Indirect GHG emissions by source (Tons CO <sub>2</sub> equivalent)	2011	2012	2013	Change
Transport of employees	8,707.6	9,493.8	8,864.72	-6.63%
Business travel	14,347.2	22,344.7	19,109.95	-14.48%
Other emissions	761.7	570.6	705.86	23.70%
Total direct and indirect emissions (Tons CO <sub>2</sub> equivalent	23,054.8	31,838.5	28,680.53	-9.92%

## EMISSIONS OF SUBSTANCES DESTRUCTIVE OF OZONE LAYER GRI EN19

	2012		2013	
	Location	Consumption (tons)	Location	Consumption (tons)
	Total	1.293	Total	1.087
	Faria Lima	0.667	Faria Lima	0.499
OI.	ВОТ	0.001	ВОТ	0.051
R-22	EGM	0.180	EGM	0.152
	GPX	0.292	GPX	0.208
		0.095		0.098
	ELEB	0.058	ELEB	0.079
	Total	0.496	Total	0.232
	Faria Lima	0.150	Faria Lima	0.120
HCFC-141b	BOT	0.000	BOT	
<u>ن</u>	EGM	0.046	EGM	0.000
<u> </u>	GPX	0.300	GPX	0.095
		0.000	TTE	0.000
	ELEB	0.000	ELEB	0.000

# OTHER EMISSONS GRI EN20

Indicator	Site	unit weasurement	2012	2013
VOC Emissions	SJK	ton	4.185	3.050
VOC Emissions	EGM	ton	0.305	0.860
VOC Emissions	TTE	ton	0.000	0.000
VOC Emissions	ELEB	ton	0.000	2.700
VOC Emissions	GPX	ton	2.750	3.530
VOC Emissions	вот	ton	28.830	29.140
TOTAL			36.070	39.280
MP Emissions	SJK	ton	6.752	6.490
MP Emissions	EGM	ton		0.230
MP Emissions	TTE	ton	0.000	0.000
MP Emissions	ELEB	ton	0.000	1.950
MP Emissions	GPX	ton	1.900	1.022
MP Emissions	BOT	ton	16.160	18.530
TOTAL			24.943	28.222
SOx emissions	SJK	ton	0.706	0.921
SOx emissions	EGM	ton		0.001
SOx emissions	TTE	ton	0.000	0.000
SOx emissions	ELEB	ton	0.000	
SOx emissions	GPX	ton	0.000	0.000
SOx emissions	ВОТ	ton	0.150	0.232
TOTAL			0.933	2.364
NOx emissions	SJK	ton	13.433	
NOx emissions	EGM	ton	0.907	0.010
NOx emissions	TTE	ton	0.000	0.000
NOx emissions	ELEB	ton	0.000	20.190
NOx emissions	GPX	ton	0.000	0.000
NOx emissions	вот	ton	82.830	115.700
TOTAL			97.170	152.610

#### Waste management GRI EN24

Embraer employs a systematic approach to waste management. All the Company's facilities are furnished with designated collectors; these are subsequently transported to "intermediate areas" and from there are immediately dispatched to relevant separation points, depending on the type of waste.

An outsourced company transports the waste to partners that perform co-processing, decontamination, repurposing, recycling, and disposal. All these companies are properly accredited and undergo periodic audits. Embraer does not import or export hazardous wastes. The goal established in 2012 of not sending hazardous wastes to land fills was reached at the end of the first half of 2013.

#### Energy efficiency GRI EN4, EN6 EN7

In 2013, Embraer contracted a company specializing in route-planning in order to optimize the efficiency of transporting employees, based on studies carried out in 2012. Initially planned for the Faria Lima facility in São José dos Campos, the project was made progress at all Brazilian facilities and its implementation is scheduled for the first half of 2014.

NON-HAZARDOUS WASTES (TONS) GRI EN22	2011	2012	2013
Compost	1,122.49	1,108.79	1,222.58
Repurposing			
Recycling	9,604.2	10,324.58	10,643.4
Recovery (including recovery of energy)	176.54	239.93	577.52
Incineration (burning of mass)			
Sanitary landfill	1,144.34	1,178.9	1,208.85
Underground injection of waste			
On-site storage			
Other – biological treatment	588.02	534	432
Other - co-processing	41.94	15.06	19.39
Total	12,677.54	13,401.26	14,103.74
HAZARDOUS WASTES (TONS)	2011	2012	2013
Compost			
Repurposing			
Recycling	23.76	25.94	74.76
Recovery (including recovery of energy)	1,917.64	2,295.78	2,005.63
Incineration (burning of mass)	11.54	38.16	9.1
Sanitary landfill	31.33	25.03	0
Underground injection of waste			
On-site storage			
Other – autoclaving	0.66	1.17	1.24
Others – co-processing	955.92	971.33	1,027.9
Total	2,940.85	3,357.41	3,118.63

Non-renewak	ole intermediate e	energy sources p	ourchased and c	onsumed – Ele	ectricity* GRI EN4	1		
2011 (GJ)	2012 (GJ)	2013 (GJ)	Faria Lima	EGM	TTE	ELEB	GPX	ВОТ
406.332	439,992	437,389	228.816	52.236	13.428	36.842	48.888	57.179

<sup>\*</sup>th is not possible to determine the primary energy consumption for producing indirect energy, since utilities (hydroelectric, thermoelectric, etc.) are not legally obliged to disclose the production source of energy in Brazil.

#### Water management GRI EN8, EN10

The water that Embraer uses comes from local utilities as well as directly from the water table, on the basis of prior concession and grant in accordance with prevailing federal and state requirements. The water table source is periodically monitored in accordance with parameters established by Ordinance 2914/11 (Brazilian legislation). Embraer measures and monitors both industrial and human consumption on a monthly basis.

In 2013 the volumes of domestic and industrial effluents grew 15% and 1% respectively compared to the previous year. Embraer applies a physical-chemical or biological treatment to its effluents, before disposing of them in the public sewer system or into a body of water.

No bodies of water are significantly affected by the disposal of water from Embraer's operations. Only two of the Company's facilities dispose of effluents in bodies of water (Gavião Peixoto in the Mulada stream and Taubaté in the Paraíba do Sul river) after proper treatment in an appropriate sewage treatment plant. The volumes disposed of are well below the water bodies' capacity to

absorb them and neither of the water bodies is located in a designated environmental conservation area. GRI EN 25

Disposal of water by use and dest	ination GRI EN21
2013	Volume (m³)
Domestic	442,602
Faria Lima	292,078
ВОТ	46,551
EGM	56,249
GPX	36,650
TTE	11,074
ELEB	_*
Industrial	79,472.6
Faria Lima	28,627
ВОТ	39,716
EGM	4,161
GPX	920.6
TTE	0**
ELEB	6,048

<sup>\*</sup>ELEB does not have these data.

\*\*TTE does not have any industrial effluents.

Water consumption by source GRI EN8									
	2011	2012	2013	Faria Lima	EGM	TTE	ELEB	GPX	BOT
Surface water (rivers, lakes, wetlands, oceans)									
Underground water	524,390 m <sup>3</sup>	552,930 m <sup>3</sup>	541,900 m <sup>3</sup>	307,960 m <sup>3</sup>	114,280 m <sup>3</sup>		26,930 m <sup>3</sup>	92,740 m <sup>3</sup>	
Rainwater harvesting									
Effluents from third party entity									
Utility/water supplier	90,450 m <sup>3</sup>	96,930 m³	103,180 m <sup>3</sup>			16,910 m <sup>3</sup>			86,270 m <sup>3</sup>
Total	614,840 m <sup>3</sup>	649,860 m <sup>3</sup>	645,090 m <sup>3</sup>						

#### Biodiversity and protection of the environment GRI EN11, EN12, EN13, EN14

Embraer's industrial facility in Gavião Peixoto has a 356.71-hectare preservation area where, prior to Embraer's arrival, sugar cane and oranges had been cultivated. Of the recovered area, 32.38 hectares are designated as a permanent preservation area and 328.74 hectares as a legal reserve. This environmental compensation initiative promotes regeneration of the ecosystem and encourages the return of wildlife to the area.

This facility's industrial processes are considered to be of a high technological level and low environmental impact, classifying the Company as an industry of light to moderate environmental risks. The municipality's urban population is not directly affected by the Company's activities, nor do the latter cause substantial environmental impacts, since building the facility required little change to the topography in this extensive terrain. The noise generated by takeoff and landing operations can be heard up to a maximum of 8 km away, so the surrounding communities are not affected.

Embraer's newest facilities are being built with resources that aim to reduce environmental impacts. The two most recent, in Évora (Portugal) and the Service Center in Sorocaba (Brazil) adhere to sustainable construction and green design precepts.

#### Social Responsibility GRI EC8, SO1

Through the Embraer Education and Research Institute (Instituto Embraer de Educação e Pesquisa - IEEP), the Company adopts a structured approach to social investments. These are focused primarily on promoting

education, in the belief that this is the most efficient means of fostering a society's development and achieving social inclusion. In 2013 Embraer invested R\$ 21 million in these kinds of programs and projects.

The centerpieces of Embraer's social investment initiatives are the two Embraer Schools. Fully funded by the Company, these offer three years of high school to students from the public school system. In addition to study grants, the students receive uniforms, study materials, meals and transport.

#### Scholarship Fund

Through its Scholarship Fund, the Company seeks to assist Embraer High School alumni who have been offered places at universities located far from São José dos Campos and lack the financial means to cover subsistence expenses. The Company contributes 25% of the financing of the scheme, the rest being supplied by partner companies, along with voluntary contributions from around 800 employees and former Fund beneficiaries; after joining the job market, these begin to pay back the sums received during their university studies. In 2013, some 302 university students drew monthly assistance of R\$ 616.20, and 270 former beneficiaries paid back part of what they had received.

#### Social Partnership RI EC8 E SO1

Embraer provides financial support to educational projects developed by Non-Governmental Organizations (NGOs) in the communities where the Company is active. Through its Social Partnership Program (Programa de Parceria Social - PPS), Embraer employees work alongside the NGOs in the design and implementation of social initiatives and volunteering activities.

#### Success in education

The Embraer High School – Juarez Wanderley in São José dos Campos has capacity for 600 students. In 2013 100% of students who completed their studies here were offered places in at least one university, 86% of them at public universities. In the 2011 National High School Exam (Exame Nacional do Ensino Médio - ENEM), Juarez Wanderley was ranked top in writing skills, eighth overall in the State of São Paulo and 27<sup>th</sup> nationwide. In 2013, a total of 3,900 young people applied for 200 places for the first year of high school, equivalent to 19.5 candidates competing for each available place.

Classes at Embraer High School – Casimiro Montenegro Filho in Botucatu got underway in February 2013. Construction of the new location, which has places for 360 pupils, entailed investment of approximately R\$ 5 million. The pedagogical system is the same as at Juarez Wanderley, envisaging ten hours of classes per day and focusing on academic excellence, preparation for university, professional training, and environmental, social, and cultural education.



Between 2004 and 2013, the Company supported 119 projects, involving 1,300 employees and benefitting 54,000 children and adolescents. Investments during the period totaled nearly R\$ 4 million.

#### Volunteering at Embraer GRI EC8 E SO1

The Wings for Good Program seeks to foster – and ensure great importance is attached to – a corporate volunteering ethos both within and outside Embraer. The initiatives that the program supports may be carried out by the Embraer Institute or by public or private social organizations endorsed by the Company. In 2013, more than 3,500 employees took part in an array of initiatives benefitting around 4,200 people.

#### The Mini-company program GRI EC8, so 1

Mini-company is a program that encourages entrepreneurship among 9<sup>th</sup> grade students in public schools. Developed with Junior Achievement, a São Paulo NGO, the Mini-company program works in partnership with the Municipal Departments of Education in São José dos Campos, Gavião Peixoto and Botucatu (Brazil), and involves Embraer volunteers.

The program lasts for 15 weeks, with three hours a week of classes, and covers financial, production, human resources, marketing, and leadership topics. The participants are encouraged to form mini-companies that, at the end of the program, are liquidated and any profits donated to social institutions. Over a period of 11 years, about 1,300 students and 350 Embraer volunteers have taken part. In 2013, R\$ 74,000 was invested in the program.

#### Stimulating regional development GRI EC?

Embraer's operations create favorable impacts on local communities near where the Company operates. The industrial facility in the city of Gavião Peixoto, in the interior of São Paulo State, has significantly boosted industrial development and, consequently, spurred the local economy. The construction of new factories and the arrival of service-providing firms help generate both direct and indirect jobs.

Technological development is especially important in this regard. The city of São Carlos, near Gavião Peixoto, is home to the University of São Paulo's São Carlos School of Engineering (EESC.USP), as well as the Federal University of São Carlos (UFSCar). Both institutions offer courses in engineering and exact and technological sciences. They have been investing more and more in building and expanding laboratories and research centers, as well as granting study grants and developing research projects—including studies in the aerospace field.

#### Materiality Matrix GRI 4.14 E 4.15

Embraer identified the creation of a Materiality Matrix to be a crucial step in its goal of positioning sustainability issues within a more strategic framework as well as prioritizing and focusing efforts on the highest-impact areas in terms of creating value for the business and its chief stakeholders. A consultation with stakeholders was carried out throughout 2012 in conjunction with an internal process to define the sustainability issues of greatest relevance to the business.

Revised in 2013, the Materiality Matrix will be the basis for defining indicators, goals and action plans for the coming years, as well as a reference point for Embraer's next Annual Report. Since the issues can shift substantially over time as a result of changes both in societal demands and in the business, the Materiality Matrix must be a dynamic tool, subject to revision every three years; it will constantly seek to maximize positive impacts on decision-making.



Influence on business strategy

Governance Environment People Value Chain Products, Services and Clients

## **ABOUT THE REPORT**

#### Understanding the document

For the sixth consecutive year, Embraer's Annual Report follows Global Reportina Initiative (GRI) guidelines. It sets out the Company's economic-financial and socio-environmental performance during the year in accordance with version G3.1, application level B. In all, 52 indicators are dealt with, covering the period from 1<sup>st</sup> January to 31<sup>st</sup> December 2013. **GRI 3.1, 3.2, 3.3** 

The economic-financial data presented describe operations in Brazil and other countries where Embraer has facilities, The socio-environmental results are restricted to the facilities located in Brazil, GRI 3.6 E 3.7

In defining the report's contents and GRI indicators included, the Company took the 2012 annual report as its starting point. It also took into consideration the requirements of the Dow Jones Sustainability Index (DJSI) and the ten principles of the United Nations Global Compact, of which the Company has been a signatory since 2008. GRI 3.5 E 3.8

KPMG Independent Auditors audited the financial statements, which were compiled in accordance with International Financial Reporting Standards (IFRS). The socio-environmental information was gathered and consolidated using internal methods and was not verified externally. Significant changes that affect data comparability are noted throughout the report, as are any developments subsequent to the period covered by the publication, along with socio-environmental data related to the Company's international units. GRI 3.13, 3.5, 3.8, 3.9, 3.10, 3.11

Any questions, comments, or suggestions regarding the 2013 Annual Report may be emailed to investor.relations@embraer.com.br. Other information can be obtained on Embraer's investor relation's site (http://ri.embraer.com.br). GRI 3.4



# Statement GRI Application Level Check

GRI hereby states that **Embraer SA** has presented its report "2013 Annual Report" to GRI's Report Services which have concluded that the report fulfills the requirement of Application Level B.

GRI Application Levels communicate the extent to which the content of the G3.1 Guidelines has been used in the submitted sustainability reporting. The Check confirms that the required set and number of disclosures for that Application Level have been addressed in the reporting and that the GRI Content Index demonstrates a valid representation of the required disclosures, as described in the GRI G3.1 Guidelines. For methodology, see www.globalreporting.org/SiteCollectionDocuments/ALC-Methodology.pdf

Application Levels do not provide an opinion on the sustainability performance of the reporter nor the quality of the information in the report.

Amsterdam, 28 April 2014

Ásthildur Hjaltadóttir

**Director Services** 

All Gullade

**Global Reporting Initiative** 

GRI REPORT
GRI CHECKED

The Global Reporting Initiative (GRI) is a network-based organization that has pioneered the development of the world's most widely used sustainability reporting framework and is committed to its continuous improvement and application worldwide. The GRI Guidelines set out the principles and indicators that organizations can use to measure and report their economic, environmental, and social performance. www.globalreporting.org

**Disclaimer:** Where the relevant sustainability reporting includes external links, including to audio visual material, this statement only concerns material submitted to GRI at the time of the Check on 17 April 2014. GRI explicitly excludes the statement being applied to any later changes to such material.

## GRI INDEX GRI 3.12

PROFILE IN	IFORMATION			
Indicator	Description	Reported	Page/Response	Global Compac
Strategy o	and Analysis			
1.1	Message from the President & CEO	Complete	8	
1.2	Description of key impacts, risks, and opportunities	Complete	12, 32 and 39	
Organizat	ional profile			
2.1	Name of the organization	Complete	6	
2.2	Primary brands, products and/or services	Complete	13	
2.3	Operational structure of the organization	Complete	14	
2.4	Location of the organization's headquarters	Complete	14	
2.5	Countries where the organization operates and where its principal operations are located	Complete	13 and 14	
2.6	Nature of and type of ownership	Complete	34	
2.7	Markets served	Complete	13 and 14	
2.8	Size of reporting organization	Complete	13	
2.9	Significant changes during the period covered by the report	Complete	14 and 15	
2.10	Awards received during the period covered by the report	Complete	45	
Report pa	irameters			
3.1	Reporting period for information provided	Complete	82	
3.2	Date of most recent previous report	Complete	82	
3.3	Reporting cycle	Complete	6 and 82	
3.4	Contact point for questions regarding the report or its content	Complete	82	
3.5	Process for defining report content	Complete	82	
3.6	Boundary of the report	Complete	82	
3.7	Declaration of any specific restrictions on the scope or boundary of the report	Complete	82	
3.8	Basis for reporting	Complete	82	
3.9	Data measurement techniques and bases of calculations	Complete	82	
3.10	Reformulation of information provided in earlier reports	Complete	82	
3.11	Significant changes of scope, boundary, or measurement methods applied in the report	Complete	82	
3.12	Table identifying the location of information in the report	Complete	84	
3.13	Policy and current practice with regard to seeking external verification for the report	Complete	82	
Governan	nce			
4.1	Governance structure of the organization, including committees of the highest governance body	Complete	37	1 - 10
4.2	Leadership of highest governance body	Complete	37	1 - 10
4.3	Independent or non-executive members of the highest governance body	Complete	37	1 - 10
4.4	Mechanisms for shareholders and employees to submit recommendations	Complete	34, 37 and 43	1 - 10
4.5	Linkage between compensation and the organization's performance (including social and environmental performance)	Complete	There is no relationship between compensation and sustainability performance.	1 - 10
4.6	Procedures to ensure conflicts of interest are avoided	Complete	34	1 - 10
		Complete	37	1 - 10
4.7	Qualifications of the members of the highest governance body	( .omniete	.3 /	

PROFILE IN	IFORMATION				
Indicator	Description	Reported	Page/Response	Global Compac	
4.9	Responsibilities for implementing the organization's economic, environmental, and social policies	Complete	37	1 - 10	
4.10	Procedures for the highest governance body's self-assessment	Complete	39	1 - 10	
4.11	Explanation of whether and how the organization applies the precautionary principle	Complete	37, 39 and 41	7	
4.12	Externally-developed charters, principles, or other initiatives	Complete	41		
4.13	Memberships in national and/or international associations	Complete	41		
4.14	List of stakeholder groups engaged by the organization	Complete	42 and 81		
4.15	Basis for identification and selection of stakeholders to be engaged	Complete	15. To identify stakeholders, Embraer accessed the same groups consulted for the development of the Embraer Entrepreneurship System, geared to business management. Because of their importance, these stakeholders were consulted to build the materiality matrix, and provided input on topics of high priority to Embraer's business.		
4.16	Approaches to stakeholder engagement	Complete	The approach to the engagement of stakeholders is available in the following chapters: Our people are what make us fly; We build a sustainable future; We are here to serve our customers; and We strive for company excellence.		
4.17	Key topics and concerns raised through stakeholder engagement	Complete	The main topics and concerns raised by the stakeholders are available in the following chapters: Our people are what make us fly; We build a sustainable future; We are here to serve our customers; and We strive for company excellence.		
Managen	nent Approach				
Dimension	**	Reported	Page/Response	Global Compact	
	Economic performance	Complete	46, 47, 48, 49 and 82		
EC	Market Presence	Complete	14 and 15	1, 4, 6	
	Indirect economic impacts	Complete	78, 79 and 80	and 7	
	Energy	Complete	74 and 76		
	Water	Complete	77	-	
· N. I	Biodiversity	Complete	78	7, 8 and 9	
EN		Complete	74, 75 and 76	-	
EN	Emissions, effluents, and waste	Complete			
EN	Emissions, effluents, and waste  Products and services	Complete	72	-	
EN	Products and services	Complete		-	
EN	Products and services Employment	Complete Complete	72	-	
	Products and services  Employment  Labor/management relations	Complete Complete Complete	72 57, 58, 59, 60, 61, 62 and 63 68	- - 1, 3 and 6	
EN LA	Products and services Employment	Complete Complete	72 57, 58, 59, 60, 61, 62 and 63	1, 3 and 6	

	Procurement practices		Complete 42		
	Non-discrimination		Complete 43		_
HR	Freedom of association		Complete 68		1, 2, 3, 4, 5 and 6
	Child labor		Complete 42		_ 0 drid 0
	Forced and slave labor		Complete 42		_
	Community		Complete 78, 7	79 and 80	
SO	Corruption		Complete 43		10
	Public policy		Complete 41,4	12 and 74	
PR	Customer health and safety		Complete 20, 2	26 and 28	- 1 and 8
	Product and service labeling		Complete 28		
					Global
Indicator	Description  c performance	Reported	Page/Response	Reason for Omission	Compact
EC1	Direct economic value generated and distributed	Complete	46 and 48		
EC2	Financial implications and other risks and opportunities stemming from climate change	Partial	40	The risks associated with climate changes are evaluated along with other environmental risks, through the Company's risk management processes. The exposure to impact and its intensity are evaluated as low.	7
EC3	Coverage of the organization's pension plan obligations	Complete	65		-
Market p					
EC5	Change in ratios of entry-level wages to local minimum wage, by gender	Complete			1
EC7	Local hiring	Complete	63		6
Indirect 6	economic impacts	Complete	78, 79 and 80		
EC9	Impact of infrastructure investments provided for public benefit  Description of significant indirect economic impacts	Complete Complete	80		
	ental performance	COMPICIO			
Energy					
EN4	Indirect energy consumption by primary source	Complete	74, 75 and 76		8 and 9
EN5	Energy saved due to conservation and efficiency improvements	Partial	74	In 2013, a solar heating project was implemented, but the Company does not have an estimate of how many GJ are saved. The Company has energy meters for groups of buildings and hangars at the Faria Lima plant. A project exists for the installation of additional meters in order to increase the level of detail on consumption and the perception of savings obtained with efficiency projects.	8

Indicator	Description	Reported	Page/Response	Reason for Omission	Global Compact
EN6	Initiatives to provide energy-efficient products and services	Partial	74 and 76	The product concept is geared to fuel usage optimization. Embraer does not have quantitative data on the reduction of energy consumption.	-
EN7	Initiatives to reduce indirect energy consumption and reductions achieved	Partial	74 and 76	There are still no criteria for selection based on low energy consumption, and we do not have procedures to reduce indirect energy.	-
Water					
EN8	Total water withdrawal by source	Complete	77		8 and 9
EN10	Percentage and total volume of water recycled and reused	Complete	77		8
Biodiversit	,				
EN11	Location and extent of land owned	Partial	78		8
EN12	Significant impacts on biodiversity of activities, products, and services	Complete	78		8
EN13	Habitats protected or restored	Complete	78	During the evaluation of	-
EN14	Strategies for managing impacts on biodiversity  effluents, and waste	Partial	78	environmental aspects and impacts, negative effects from activities upon biodiversity were not detected. In addition, the Company is not established in sensitive areas, does not directly work with vegetable or animal resources, and is not exposed to any pertinent legislation.	-
EN16		Complete	74 and 75		8
EN17	Total direct and indirect greenhouse gas emissions  Other relevant indirect greenhouse gas emissions	Complete Complete	74 and 75		8
EN18	Initiatives to reduce greenhouse gas emissions and reductions achieved	Complete	74 4114 70		7, 8 and 9
EN19	Emissions of ozone-depleting substances	Complete	75		8
EN20	NOx, SOx, and other significant atmospheric emissions	Complete	75		8
EN21	Total water discharge by quality and destination	Complete	77		8
EN22	Total weight of waste by type and disposal method	Complete	76		8
EN24	Weight of transported hazardous waste	Complete	76		-
EN25	Description of protection and biodiversity value of bodies of water and habitats	Complete	77		-
Products o	and services				
EN26	Initiatives to mitigate environmental impacts	Complete	40 and 72		7, 8 and 9
Social per	rformance - Labor practices and decent work				
Employme	ant .				
Employme	2111				

Indicator	Description	Reported	Page/Response	Reason for Omission	Global Compact
LA2	Total number and rate of new hires and employee turnover by age group, gender, and region	Complete	59		6
LA3	Comparison of benefits provided to full-time and temporary employees by major operational location	Complete	64		-
Labor/mai	nagement relations				
LA4	Percentage of employees covered by collective bargaining agreements	Complete	68		1, 2 and 3
Occupation	onal health and safety				
LA6	Percentage of workforce represented on formal health and safety committees	Complete	66		1, 2 and 3
LA7	Rates of injury, occupational illness, lost days, and absenteeism, and total number of work-related fatalities, by region and gender	Partial	66 It was not possible to segment data by region and gender.	This information is managed, but the rate of absenteeism will not be available before the report is published.	1
LA8	Education, prevention, and risk-control programs	Partial	68	We did not identify workers engaged in occupational activities with a high incidence or high risk of specific diseases, and the Company's programs are focused on prevention.	1
LA9	Health and safety topics covered in formal agreements with trade unions	Complete	66		1
Training a	nd education				
LA10	Average hours of training per year per employee, by gender and functional category	Complete	64		6
LA11	Programs for skills management, lifelong learning and retirement	Complete	64		-
LA12	Percentage of employees receiving regular performance reviews, by gender	Complete	64		-
Diversity a	and equality of opportunity				
LA13	Composition of leadership bodies and committees and breakdown by group and gender	Complete	60		1 and 3
Social per	rformance - Human rights				
Procureme	ent process				
HR1	Description of policies and directives addressing human rights issues	Partial	42		-
HR2	Supplier companies subject to human rights screening	Complete	42		1, 2, 3 and 4
Non-discri	mination				
HR4	Total number of incidents of discrimination and corrective actions taken	Complete	43		1, 2 and 3
Freedom	of association				
HR5	Freedom of association policy and degree of application	Complete	68		1, 2 and 3
Child labo	DT .				
HR6	Measures taken to promote effective abolition of child labor	Complete	42		1, 2, 3 and 5
Forced/slc	ave labor				
HR7	Measures to promote the eradication of forced labor	Complete	42		1, 2, 3 and 4
Social Per	formance – Society				
Communi	tv				

Indicator	Description	Reported	Page/Response	Reason for Omission	Global Compact
\$01	Programs and practices to assess and manage impact of operations on local community	Partial	78, 79 and 80 The Company does not yet monitor this percentage. The stakeholder engagement policy will be launched in 2014		-
Corruption	า				
SO2	Facilities assessed for corruption-related risks	Complete	43		10
SO3	Percentage of employees trained in anticorruption policies and procedures	Complete	43		10
Public pol	icy				
SO5	Stance on public policies	Complete	41		10
Social pe	rformance - Product responsibility				
Customer	health and safety				
PR1	Policies to ensure health and safety of customer during use of product	Complete	28 and 39		1
Product a	nd service labeling				
PR3	Type of product and service information required by labeling procedures	Complete	28		8
PR5	Practices related to customer satisfaction, including results of surveys	Complete	18 and 19		-

## **SOCIAL PERFORMANCE INDICATORS**

Annual Social Statement – Controlling Company

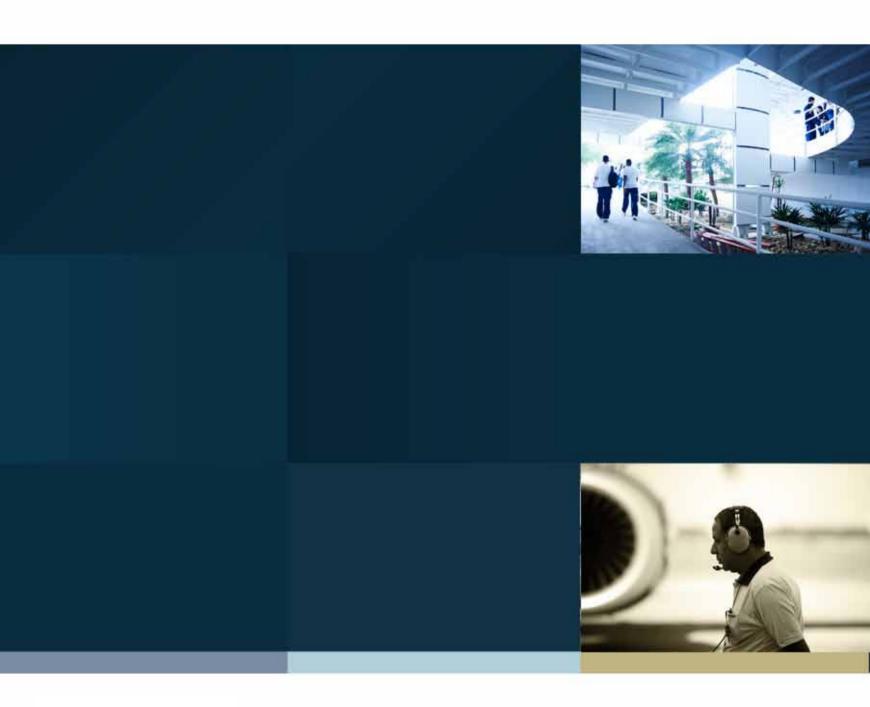
2	013 (R\$ t <u>housand</u> )		20	012 (R\$ thousand	l)		
10,662,935			10,230,261				
777,689			697,792				
1,920,119			1,843,551				
Value (thousand)	% over GP	% over NR	Value (thousand)	% over GP	% over NR		
26,713	1.39%	0.25%	25,939	1.41%	0.25%		
317,980	16.56%	2.98%	393,063	21.32%	3.84%		
57,390	2.99%	0.54%	51,669	2.80%	0.51%		
111,097	5.79%	1.04%	105,841	5.74%	1.03%		
24,101	1.26%	0.23%	30,619	1.66%	0.30%		
426	0.02%		265	0.01%	0.00%		
					0.00%		
					0.24%		
-					0.01%		
-					0.67%		
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	( ) achieves 0 - 50% (X) achieves 76 - 100%			( ) achieves 0 - 50% (X) achieves 76 to 100			
	2012			2012			
-				16,325			
-							
-	-			-			
2,964			2,765				
			2,283				
9.77%			9.91%				
793			784				
2.57%	2.57%			2.61%			
771	771			798			
	2013			Goals 2014			
50			There are no acco	de			
39			There are no goals				
			3 = 4				
196			176				
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() directors () directors and managers	() all employees	employees (X) all + CIPA	() directors () directors and managers	and managers () all employees	employees (X) all + CIPA (X) will		
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() directors () directors and managers () not involved	( ) all employees ( ) follows ILO	employees  (X) all + CIPA  (X) encourages	() directors () directors and managers () will not be	and managers () all employees () will follow	(X) all + CIPA (X) will encourage and follow IL (X) will		
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