



# Fact Sheet Thales in Brazil



## Thales in Brazil:

- Present since 1967;
- More than 900 employees;
- Headquarters in São Bernardo do Campo (SP);
- Four offices:
  - São Paulo/SP - HQ Thales Latin America
  - São José dos Campos/SP
  - Rio de Janeiro/RJ
  - Brasília/DF
- Three Manufacturing Units:
  - Barueri/SP
  - São Bernardo do Campo/SP
  - Pinhais/PR



Brasília/DF

Rio de Janeiro/RJ

São Paulo/SP - HQ Thales Latin America

São Bernardo do Campo/SP

São José dos Campos/SP

Barueri/SP

Pinhais/PR

## Highlights



### Aerospace

- Leader in Air Traffic Control radars market, with local production at Omnisys, a Thales subsidiary in Brazil. Over 70% of the Air Traffic Control radars in Brazil are provided by Thales (around 130 radars);
- Radars produced in Brazil are exported to countries in the Americas, Europe, Middle East and Asia;
- 75% of Brazilian Navigation Aids market with over 180 equipment installed;
- Avionics supplier (IESI - Integrated Electronic Standby Instrument) for all Embraer Commercial Jets, the majority of Embraer Executive Jets and KC-390 (HPIRS- High Performance Inertial Reference System);
- Avionics supplier for Azul, LATAM and GOL Airlines aircraft and other major airlines in the region;
- Avionics Supplier for Brazilian Airbus Helicopters entity (Helibras) for Helicopters flying in Brazil;
- In-flight Entertainment supplier for Azul with local support from Thales in Brazil;
- Certified by the National Civil Aviation Agency (ANAC) in 2018 to carry out repairs of avionics equipment in Brazil in our Service Centre;
- Thales-SES partnership to provide high-speed on-board connectivity to Airlines in all North, Central and South American countries.



### Defence and Security

- More than 35 Strategic Defence Products & Services (PED) registered;
- Strategic partner of the Brazilian Navy. Supplies critical systems for the Brazilian Submarines strategic defence program (PROSUB), such as sonars, electronic warfare and communication suite;
- Electronic warfare systems for corvettes and frigates, together with radars and communications solutions;
- Thales works to offer the Brazilian Navy the most modern solutions for the Frigates Tamandaré, encompassing a large volume of technology transfer and local content, as well as local support throughout the vessel life cycle as well as its systems;
- In 2011, the Brazilian Army selected SOTAS (radio intercomm system) for several vehicles due to its performance and modular capabilities, allowing easy adaptations, expansions and straight forward operations;
- In April 2019, the Brazilian Army signed with Omnisys, Thales subsidiary in Brazil, a five-year contract for the development of a highly complex and fully transportable test range instrumentation system for the Brazilian Army Assessment Center (CAEx).



## Digital Identity and Security

### Banking Payment Solutions:



- Thales works with all major Banks, Retailers, Loyalty Programs and Fintechs in Brazil to deliver best in class payment Contact & Contactless Cards and Digital Payment Solutions;
- Thales is also the world leader in Digital and Cyber Security. We enable users to authenticate securely and perform transactions in a trusted environment using our tested proof fraud prevention tools and technologies.

### Mobile Connectivity Solutions:



- Thales is the #1 SIM Card provider in Brazil and supplier of eSIMs (embedded SIM Card) in the Latin America market. To be able to connect smart devices, homes, industries, Thales provides On Demand Connectivity (ODC) platform for Consumer Electronics and Internet of Things (IoT) devices. Among several projects, Thales has provided the ODC platform for the first connect cars project in Brazil for the country's leading car manufacturers;
- Advertising campaigns run on Thales's Mobile Marketing channel. Smart Messages are delivered to operators, banks, brands, insurances or services providers, with more than 2 billion interactions per year.

### Identity & Biometric Solutions:



- Thales is a global reference in the Identification and Biometric markets. Its solutions are already being used in Brazil by important customers, such as São Paulo Civil Police (Civil and Criminal Biometric System), Brasília Civil Police (Civil and Criminal Biometric System) and Federal Police (Enrolment Stations for Passport Issuance) and are based on:
  - Physical and electronic documents (e-Documents);
  - Border Control Systems and Document Scanners;
  - Identity Management and Know-Your-Customer Solution and Document Issuance Systems;
  - Multi Biometric Solutions (ABIS), hardware and software for criminal and civil purposes.

### Cloud Protection & Licensing:



- The Data Protection and Identity and Access Management solutions provided by Thales are essential for organizations looking for compliance with the new Brazilian privacy law LGPD (Lei Geral de Proteção de Dados - Brazilian GDPR). Our solutions anonymize and protect access to sensitive data stored in public or private clouds or on-premises;
- Thales is the #1 supplier of Payment HSMS (Hardware Secure Modules) in the country, where a majority of payment transactions are processed through one of our HSMS.

## Analytics & IoT Solutions:



- Thales offers a broad portfolio of products and services to support IoT design, deployment and lifecycle management of IoT devices, for all verticals (beyond our traditional hardware modules business):
  - Smart Cities;
  - Point of Sales terminals;
  - Car Tracking and Automotive;
  - Home Automation and Alarms;
- IoT Gateways and TELECOM;
- With the deployment of new technologies, such as NarrowBand (NB) and CATM, Thales will enable the future of everything connected;
- Thales is launching 5G modules, which will provide extremely high data transmission and reception speeds for connections.



## Ground Transportation

- In 2016, Thales provided communications, signalling and localization systems to the first and most modern Light Rail Transportation (LRT) in Santos, SP – Brazil.



## Space

- Thales is one of the main partners for Brazilian Space programs, developing and delivering Satellite and sub-systems such as transponders, X-Band transmitters, antennas, on-board computers, and others;
  - Geostationary Defense and Strategic Communications Satellite or SGDC (in Portuguese: Satélite Geoestacionário de Defesa e Comunicações Estratégicas), with Thales Alenia Space;
  - CBERS (China-Brazil Earth-Resources Satellite);
  - PMM (Plataforma Multimissão);
- SGDC-1 is a real success story based on close cooperation between Thales Alenia Space and Visiona. It is the first Brazilian Geostationary Satellite to enable access to high-speed internet to the entire country – considering remote areas and to secure military telecommunications to the country. In May 2017, SGDC-1 was launched and became successfully operational;
- The SGDC-1 is a dual satellite, with military and civil applications. The satellite has X-Band dedicated to military activities and KA-Band for civil applications. It is being operated by Telebras and is moving forward with installation of internet access points in remote areas. More than 11,000 points were installed by March 2020, and in total, should reach 50,000 internet access points;
- Thales Alenia Space actively supports the development of the Brazilian Space Industry by leading the Transfer of Technology (ToT) to Brazilian companies Fibrforte (propulsion), Equatorial (thermal control), Cenic (mechanical structures), Orbital (solar panel), AEL (programming SPGA and ASIC) and OPTO Eletrônica (optical). Thales Alenia Space has been implementing a technology transfer program with Brazilian companies since 2016 and these companies are ready to bring the Brazilian Space program to the next level;
- During SGDC-1 development and manufacturing, 40 Brazilian engineers received the Technology Absorption Plan (TAP) training in France – they were trained in the full range of space engineering techniques and then joined the Thales Alenia Space teams on the SGDC program. Thales Alenia Space operates in São José dos Campos (SP) a Technological Space Centre.

# Thales in Brazil: a worldwide reference in the group

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## About Thales

Thales (Euronext Paris: HO) is a global technology leader shaping the world of tomorrow today. The Group provides solutions, services and products to customers in the aeronautics, space, transport, digital identity and security, and defence markets. With 83,000 employees in 68 countries, Thales generated sales of \$19 billion in 2019 (on a pro forma basis including Gemalto over 12 months).

Thales is investing in particular in digital innovations – connectivity, Big Data, artificial intelligence and cybersecurity – technologies that support businesses, organisations and governments in their decisive moments.

## High technology Industrial facilities supporting the business in the country:

Thales operates out of three high technology industrial facilities which are located in **São Bernardo do Campo (SP)**, responsible for the development, qualification, production and services of radars, sonars, avionics, defence systems and in-flight entertainment, **Pinhais (PR)**, that produces bank cards, SIM Cards and electronic documents of high-quality polycarbonate and **Barueri (SP)**, responsible for bank card personalization. All these units respect the HSE norms for a safe work environment.

granted by the Ministry of Defense since 2014. Since 2018, the company is also certified by the National Civil Aviation Agency (ANAC) to carry out repairs of avionics equipment in Brazil in its Service Centre becoming part of the select group of Brazilian companies authorized to perform these repairs on aeronautical equipment. Since 2019, the company is also certified ISO 14.000.



Thales Manufacturing Unit in São Bernardo do Campo (SP)



Thales Manufacturing Unit in Barueri (SP)

Thales operations in Brazil are recognized and certified by several institutions. The unit in Sao Bernardo do Campo (SP) has over 10 years of ISO 9.001 quality and Defense accreditations

Barueri (SP) and Pinhais (PR) have the following ISO certifications: ISO 9.001, ISO 14.001, OHSAS 18.001. This also includes specific certifications from the banking institutions Visa, Mastercard, American Express, Diners, Elo. Due its specified services, the Pinhais (PR) unit is certified with ISO 27.001, ISO 14.298 Intergraf and NBR 15.540.



Thales Manufacturing Unit in Pinhais (PR)

## Omnisys, a reference in Centres of Excellence and Service Centres:

Founded in 1997 by Brazilian engineers, **Omnisys**, a subsidiary of **Thales** in Brazil, is a high-technology national company with broad experience in the civil, space, defence and security markets, such as airspace surveillance and control, defence systems, warfare electronics, tracking systems, missile electronics, avionics and in-flight entertainment. Omnisys also provides solutions in the space segment, including the development and supply of equipment and systems embedded in satellites.

Omnisys is certified as a Brazilian Defence Company and has more than 35 products and services certified as Strategic Defence Products in Brazil. Its site in São Bernardo do Campo (SP) is a reference in the Thales Group worldwide, due its Centres of Excellence, which are:

- **Radar Excellence Centre:** This centre develops and produces L-Band Radars for Brazil and worldwide export markets. It is also responsible for the production of secondary radars for Brazil, development and production of tracking radars, electronic warfare equipment and the Seeker (an active Auto Director Radar employed in missiles)- all 100% Brazilian products.
- **Sonar Excellence Centre:** Inaugurated in 2016 to produce and support sonar equipment in Brazil for domestic and export markets, this excellence centre is equipped with state of the art technology able to comply with the most demanding needs of worldwide Navy Forces.
- **Space Technology Centre:** Inaugurated in 2019 and located at São José dos Campos (SP), the Technology Campus was established in partnership with Thales Alenia Space. This site, close to INPE (Brazilian National Space Research Institute), is focused on developing space-related activities and technologic partnerships with Brazilian companies in the space sector.

- **Air Traffic Management Service Centre:** Thales’ radar Service Centre for airspace control and defence for Latin America. In Brazil, Thales supports around 130 radars.
- **Avionics and In-Flight Entertainment Service Centres:** Thales supports in-flight entertainment equipment on board E-190 and A320 Azul aircraft. Thales Avionics is also maintained by this service centre.



Avionics and In-flight Entertainment Systems Service Centre

Thanks to local investments and nationalisation efforts, Thales, through its subsidiary Omnisys, has already implemented various projects certified as “Strategic Defence Products”.

## Design Centre:

In December 2019, Thales took a significant step towards the development of innovative solutions for the global market from Brazil, with the opening of its first Design Centre in the southern hemisphere, located at the Thales site in São Bernardo do Campo (SP). The Design Centre works to identify, develop, and reinvent the needs, products, and services of the future according to the needs of the company's customers across Latin America. The services offered by the Design Centre include product innovation and service design, business model innovation, transformation of projects and training.



Thales Design Centre in Latin America based in São Bernardo do Campo (SP)

# THALES

Building a future we can all trust

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