Thales in Japan

- A presence since 1970
- 150 employees
- 3 main sites in Tokyo (Akasaka, Shinagawa, Hachioji)

Highlights

Defence

- Thales is a provider of sonar systems, radars and optronic technologies to the Japan Maritime Self Defence Force (JMSDF).
- Thales delivered Bushmaster vehicles to the Japan Ground Self-Defence Force (JGSDF).
- Thales is providing avionics and communication systems for the Japan Air Self Defence Force (JASDF).

Digital Identity and Security

- Thales digital identity and security solutions are used in the public, financial, telecoms and high-tech sectors in Japan.

Aerospace

- Thales delivers In-Flight Entertainment (IFE) solution on-board to Japan Airlines for their Boeing 767, 777 and 787 fleets.
- The Search and Rescue helicopters Sikorsky S-76Ds of the Japan Coast Guard are equipped with Thales’ TopDeck avionics suite.

Science, Industry and Medical

- For scientific and industrial applications, Thales proposes a wide range of lasers, and special optics as well as RF power components and microwave tubes. Thales also provides technologies for systems involving imaging detectors dedicated to the medical industry.

Space

- Thales has supplied on-board equipment and ground systems for the Japanese Multi-Functional Transport Satellites (MTSAT) space programmes.

Transportation

- With worldwide achievements, Thales is recognized as a market leader for signaling systems. In Japan, Thales promotes digital solutions to support railway operator’s operation and maintenance.
Thales in Japan

Present in Japan since 1970, Thales promotes technological innovation and is an active and recognised partner for the development of Japanese infrastructure. The Group serves Japanese needs in the defence, digital identity and security, aerospace, medical, science & industry, space and transportation markets. A strong portfolio of solutions and technologies enables Thales to meet customer and partner needs efficiently by supporting them in common projects. Key projects have enabled Thales in Japan to expand the business locally and to build a dynamic and skilled workforce.

Local cooperation

Thales’ strategy is to boost its local presence by partnering with local players. Addressing worldwide needs and partnering with key industrial Japanese players is part of Thales’ operating strategy.

- In Japan, Thales works with over 500 suppliers ranging from large enterprises to SMEs. Together with its partners, Thales addresses the needs for scientific, security, medical, spatial and various industrial applications.
- To prepare for the future, relationships with universities and research centres are critical. The Japanese research institute RIKEN (RIKEN Spring-8 Centre) awarded Thales, as an example, with a contract for the development and installation of two intense 500 Terawatt laser beam lines. The system has significantly expanded the capabilities of the current SACLA (Spring-8 Angstrom Compact free electron LAser) used by researchers in Japan and the international community for advanced research in science. This type of laser paves the way for a new generation of extremely powerful particle accelerators, which will be smaller and less costly, for fundamental research in materials physics and for medical applications.
- On the export market, Thales works in consortium with Japanese major players to address international markets, particularly in the transportation domain.
Industry focus

Defence

Thales is a top-tier partner of defence forces worldwide. We work with our customers to design and provide solutions for effective defence missions. The Group assists the Japanese Self-Defence Force through operational superiority.

For the Japan Maritime Self-Defence Force (JMSDF), Thales historically supplies optronics, radars and sonar technologies for surface ships, submarines and aircraft.

In December 2015, Thales received an award from the JMSDF for its contribution in delivering a continuous support.

The Japanese Ministry of Defence ordered Bushmaster vehicles for deployment within the Japan Ground Self-Defence Force (JGSDF). The vehicles, all troop carrier variants, were manufactured at the Thales facility in Bendigo in Australia.
Digital Identity and Security

- **CLOUD PROTECTION AND LICENSING**
  Today’s enterprises depend on the cloud, data and software in order to make decisive decisions. That’s why the most respected brands and largest organisations rely on Thales to protect and secure access to their most sensitive information and software. Thales solutions enable organisations to move to the cloud securely, achieve compliance with confidence, and create more value from their software in devices and services.

- **MOBILITY CONNECTIVITY SOLUTIONS**
  Thales offers security solutions to Mobile Network Operators (MNOs), so that they can establish secure mobile subscription management, on-demand connectivity, and trusted digital identity. Thales also supports Original Equipment Manufacturers (OEMs) to deploy state-of-the-art security devices using eSIM or eSE.

- **BANKING AND PAYMENT SOLUTIONS**
  Thales Japan provides a growing range of software and services for digital banking and payment services to hundreds of companies, in industries such as finance, retail and logistics. This challenge is met with various payment methods for both in-store and online transactions. Thales is proud of having supplied some of the main Japanese actors, such as Apple, Dai Nippon Printing, Japan Net Bank, Shinkin Bank, and Toppan Printing.

- **IDENTITY AND BIOMETRIC SOLUTIONS**
  Thales proposes biometric technology solutions such as Live Face Identification System (LFIS) to the civil market, document reader products to both government and civil markets and secured components to the government. Document readers have already been deployed at major airports to read new passports for Japanese citizens and hotels for inbound tourists. New security features, such as chip OS are planned to be adopted for the next generation of Japanese ePassports.

- **ANALYTICS & IOT SOLUTIONS**
  Thales is the forerunner in the development of Artificial Intelligence and Machine-to-Machine communication (M2M) technology, which have the potential for accelerating business growth and efficiency. Thales supports a wide range of industries ranging from the energy to the automotive industry.

The 5G SIM provides improved data privacy, enhanced protection against hacking and seamless 5G global roaming.

Cinterion M2M Modules and Terminals enable always-on wireless communications for any M2M or IoT applications and for all cellular standards.
Science, Industry and Medical

Thanks to its expertise in producing defence and space solutions globally, providing avionics and InFlight Entertainment (IFE) systems on-board world-renowned airlines in the Asia-Pacific region.

Thales has equipped JAL Boeing 787 aircraft with Android based AVANT Thales IFE systems. In addition, Thales IFE systems are on-board JAL Airlines’ Boeing 767 and Boeing 777 aircraft on both domestic and international routes.

Thales InFlyt Experience™ is a global leader in aerospace, enriching the travel experience by entertaining, connecting and informing people before, during and after the flight. Thales offers comprehensive solutions that align the passenger experience with the unique needs of each airline’s brand.

Aerospace

Thales is recognised as a key partner for aerospace solutions globally, providing avionics and InFlight Entertainment (IFE) systems on-board world-renowned airlines in the Asia-Pacific region.

Thales has equipped JAL Boeing 787 aircraft with Android based AVANT Thales IFE systems. In addition, Thales IFE systems are on-board JAL Airlines’ Boeing 767 and Boeing 777 aircraft on both domestic and international routes.

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Cryocoolers

Thales supplies a complete range of cryocoolers.

Special optics

Thales is a world leading designer and manufacturer of high-end, complex optical components and systems tailored to customer needs.

Radio frequency (RF) & Microwave

Thales is supplying RF power components for fusion, particle accelerators and nuclear physics as well as subsystems for large instruments. With over sixty years of experience in microwave tubes and image intensifiers, Thales provides technologies for scientific applications, Non Destructive Testing (NDT) and Security systems involving X-ray sources and detectors.
Space

Thales is a strong contributor to the Japanese space industry by supplying state-of-the-art on-board equipment and systems and ground systems to major Japanese space programs including Aeronautical Mission Payload System for Air Traffic Control, Satellite Ground Earth Station and TTC Systems in Multi-Functional Transport Satellites (MTSAT) space programs.

We look forward to further contribution to Japan’s space development through our proven expertise in telecommunications, earth observation, navigation, science and space-based defence systems.

Transportation

Thales is a world leader in electronics and security systems, building on its expertise to provide solutions that set the standard in the transportation industry. The Japanese transportation sector exhibits Thales as a market leader in signalling solutions, as established through recent transportation contracts.

In 2013, Thales was selected by East Japan Railway Company (JR East) to design the Group’s Communications-Based Train Control (CBTC) system for the Joban Local line, in the Tokyo metropolitan Area. JR East’s objective was to replace the current signalling system and integrate a state-of-the-art system that offers high reliability and cost advantages for the life cycle. Thales became the first non-Japanese company to design a CBTC signalling system in the Japanese railway market, the world’s busiest railway network.

Thales’ CBTC system has been proven worldwide on eighty metro lines over forty major cities to date and operates on more than 1,300km of tracks in major urban network around the world, carrying an estimated three billion passengers annually.