

# Thales in Singapore

## Factsheet



## Locations

### 12 Ayer Rajah Crescent

- Country and Asia Region headquarters
- Cyber and Digital Manufacturing Competence Centre
- Cyber and Digital Engineering Competence Centre
- Defence Hub
- ATM Centre of Excellence
- Public Security Centre of Excellence
- Thales Research and Technology
- cortAlx Singapore

### WeWork@Suntec Tower 5

- Thales Digital Factory & Thales Design Center
- Aviation Innovation Research (AIR) Lab
- In-Flight Entertainment Cloud Centre of Excellence

### Suntec Tower 2

- Cyber Security Products

### 28 Changi North Rise

- Aviation Global Services
- Avionics APAC Industrial Centre
- Avionics Centre of Excellence



Present since

1973



Consistently ranks amongst Singapore's

Top 250  
Best Employers



2000  
employees of  
30 nationalities



## Did you know?

- The Singapore Cyber and Digital Manufacturing Competence Centre uses **39% sustainable materials and operates 24/7**.
- Close to **40% of the Singapore employee base are women**.
- One-third of Singapore's employees are **trained engineers**.
- Singapore shop in 2024 accounts for almost **one third of the total amount of flows**.



# About **Thales**

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Thales is a global leader in advanced technologies specialised in three business domains: Defence, Aerospace, and Cyber & Digital. It develops products and solutions that help make the world safer, greener and more inclusive. The Group invests more than €4 billion a year in Research & Development, particularly in key innovation areas such as AI, cybersecurity, quantum technologies, cloud technologies and 6G. Thales has more than 83,000 employees in 68 countries. In 2024, the Group generated sales of €20.6 billion.

## About Thales in Singapore

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Thales established its presence in Singapore in 1973 to support the growth of aerospace activities in Asia-Pacific. Today, Thales is a leading deep-tech company operating in the Aeronautics (including avionics and air traffic management), Defence, Public Security, Cyber & Digital sectors. With over 2,000 employees across four locations, Thales is actively supporting Singapore in driving its digital transformation and Smart Nation ambitions.

At its avionics site at Changi North Rise, Thales has developed industrial expertise in avionics production and Maintenance, Repair and Overhaul (MRO), providing a full suite of end-to-end services for the aerospace industry and regional airlines.

The Ayer Rajah Crescent facility houses the Manufacturing and Engineering Competence Centres for the Cyber and Digital businesses, offering solutions in biometrics, data protection, and cybersecurity for global banks, telecommunications, and government clients which include HTX and the Immigration and Checkpoints Authority (ICA).

The Thales Digital Factory, established in 2018, co-develops innovation with the customer and partner ecosystem. Thales also acquired Imperva, a global leader in cybersecurity in 2024 which employs close to 100 people in Singapore. Both of these are located in Suntec City.

Strongly committed to Research, Technology and Innovation, Thales also houses Centres of Excellence in radars, naval drones, space, avionics, air traffic management, public security and a Defence Hub that provides end-to-end services for Singapore's defence ecosystem.

In 2025, Thales launched cortAIx SG, extending the Group's global AI accelerator to Singapore.



# Defence

Addressing a growing range of ever-changing threats, Thales supports nations and their armed forces to make the right decisions at the right time through advanced technologies, solutions and services – in the land, sea, and air domains. From cybersecurity to AI, we are constantly innovating to enable armed forces to achieve operational superiority.

Thales provides the Singapore Armed Forces with advanced equipment in air defence, communications, and naval sensors. The Singapore Navy's RSS Formidable frigates are equipped with Thales' Herakles radars. Partnering with the Defence Science and Technology Agency (DSTA), Thales also equips the next-generation Multi-Role Combat Vessel (MRCV).

In October 2023, Thales launched its Singapore Defence Hub, focusing on Services, Engineering, and Research to enhance long-term defence capabilities through maintenance, operational support and local development tailored to the needs of Singapore Armed Forces.

A Radar Centre of Excellence (CoE) was established within the R&T centre to foster local radar expertise and to co-develop digital technologies, including a Radar Digital Twin to counter future threats.

Thales has partnered with the Ministry of Home Affairs (MHA) since 1995, delivering key projects to the Singapore Police Force and Singapore Civil Defence Force. Between 2018 and 2022, Thales implemented a security and Command & Control (C2) system that streamlines operations and improves real-time decisionmaking for Singapore's Immigration and Checkpoints Authority (ICA) at the country's land checkpoints.

The close collaboration with MHA, HTX, and ICA led to the launch of the Public Security Centre of Excellence (CoE) and an extension of the HTX Co-Lab in 2024, reinforcing Thales' position in homeland security.

In 2025, Thales and DSTA established a joint lab to collaborate on AI-enabled technologies, including enhancing the performance of radars. Thales also partnered with ST Engineering to provide the Republic of Singapore Navy with an AI-enabled Mine Counter Measures system.





# Civil Aviation

Thales, a major player in avionics, aircraft cabin systems, air traffic management and digital identity, is helping to build the sustainable, connected aeronautics of tomorrow by offering a unique passenger experience in airports and in flight, optimising flight operations and enabling the safe integration of new types of aircraft in airspace, capitalising on cutting-edge technologies such as AI and cybersecurity.

In 1973, Thales started its avionics operations in Singapore support the Airbus Group's expansion into Asia. Today, Thales offers Production and Maintenance, Repair and Overhaul (MRO) services for commercial avionics and In-Flight Entertainment (IFE) and Connectivity equipment, through two key units:

- **Aviation Global Services (AGS):**

AGS provides a one-stop service for all airline customers, including worldwide maintenance and technical support, training, parts trading, and line maintenance using innovative digital tools and processes.

- **Avionics Asia-Pacific Industrial Centre (AAIC):**

Located at Changi North Rise, AAIC produces and services flight control computers and displays for Airbus A320, A330, A350 families and Boeing 787 fleets in Singapore. Requiring timely delivery of quality products and services, the AAIC houses the region's production, repair, industrial and engineering teams, consolidating all avionics production and MRO activities under one roof for synergies and process optimisation.

Thales' AVANT In Flight Entertainment (IFE) system and Ka-band connectivity solution are equipped on Singapore Airlines' (SIA) A350 XWB medium-haul fleet. Thales closely collaborates with SIA on digital innovation for IFE, including developing the world's first onboard e-shopping experience for SIA\_KrisShop in 2021 through Thales' partnership with Airfree.

In 2024, Thales established an Avionics CoE to industrialise new flight avionics products, incorporating Smart Industry 4.0 automation and digitalisation to build a competitive and sustainable local avionics industrial base.



# Cyber & Digital

In a world where the number of digital connections and cyberattacks are constantly growing, Thales provides products and services which create a circle of trust between people and the digital services they rely on. The world's leading companies and governments in 180 countries trust us to secure people's and objects' identities, personal and sensitive data and their most critical applications. Our cybersecurity and digital identity technologies are designed to offer solutions for a more sustainable digital transformation.

The Cyber and Digital business in Singapore cuts across multiple sectors and customers. Thales provides biometric passports and systems for secure immigration clearance to Singapore's Immigration and Checkpoints Authority. Authentication solutions are used in securing access to government e-services (SingPass), while NFC ticketing solutions make it possible for Singapore's public transport commuters to pay their fare using mobile devices. Thales operates a cybersecurity consulting practice in Singapore with CREST-certified consultants engaged in cybersecurity risk assessments and penetration testing.

The Thales Manufacturing Competence Centre (MCC) in Singapore houses the Group's largest and multi-product manufacturing facility, producing banking cards, micro-modules, radio frequency antennas and passport datapages. Housed in an extensive 21,000m<sup>2</sup> facility at Ayer Rajah Crescent, the MCC operates 24/7, producing one-third of Thales' international banking and payment cards volume polycarbonate Identity cards and passport datapages for more than 500 customers located in over 100 countries worldwide.

Committed to innovation and research, Singapore is also home to the Engineering Competence Centre (ECC), which is the largest multi-product R&D centre for the Cyber and Digital business, comprises over 350 engineers developing cutting-edge technologies locally. The diverse technical expertise at this site has produced technologies in various areas, including biometric card payments, embedded secure elements in mobile devices and automotive solutions such as digital car keys. Within the ECC is a transversal Centre of Excellence for eco-Design and AI-assisted Technologies with the ambition to apply eco-design practices on all future products and services.





## Research, Technology & Innovation



As one of the five Corporate labs for the Group in the world, the Thales Research & Technology (TRT) centre complements and leverages on Singapore's strong ecosystem of research and development. TRT develops cutting-edge technical solutions to meet local requirements and to enhance Thales' product portfolios. As the Singapore-based platform for localising Thales technologies, the centre facilitates the transfer of technical knowledge from Thales' global network to Singapore and serves as an effective interface between Thales experts, Singapore researchers and end-users.

The Thales Digital Factory hosts experts in digital technologies (Internet of Things, Big Data, Artificial Intelligence, Cybersecurity) and skilled in agile working methods (LEAN, Design Thinking), working to develop Minimum Viable Products (MVPs) in close collaboration with end-users.

Thales is committed to providing our customers with competitive solutions that are efficient and cost-effective, a goal supported by our manufacturing facilities and processes. To ensure our technology is kept on the cutting-edge, Thales collaborates with Agency for Science, Technology and Research (A\*STAR) to collaborate on Manufacturing 4.0 Technologies and Process on topics such as Smart Inspection, Collaboration Robotics, Machine Digitisation, Advanced Planning & Scheduling, Sustainable Manufacturing and Novel Process Innovation.

Thales launched cortAlx SG in 2025 with the support from the Singapore Economic Development Board (EDB). Supporting the Singapore's National AI Strategy, cortAlx SG aims to drive ethical and effective adoption of AI in Singapore by applying the Thales TrUE (Transparent, Understandable, Ethical) AI principles and to support the acceleration of AI-enabled technologies in Singapore for its defence and civil customers.



## Sustainability Commitments



Thales' Corporate Social Responsibility (CSR) team focuses on three key areas - education and professional integration, digital citizenship, and environmental protection. Our commitment to CSR is recognised by the National Volunteer & Philanthropy Centre (NVPC) who awarded Thales the "Company of Good 2024" title, lauding our efforts across People, Society, Governance, Environment, and Economic dimensions.

With sustainability being the focal point of the aviation industry, the Civil Aviation Authority of Singapore (CAAS) and AIR Lab embarked on a new "Green Aviation" mission to collaborate on reducing the environmental impact of aviation. The Air Traffic Management Centre of Excellence (ATM CoE) leverages Thales' expertise grown in Singapore to make the country the centre for future-forward ATM capabilities in the region.

To support the banking sector's efforts to reduce their environmental footprint, Thales offers the industry's most complete offer of sustainable banking solutions, including eco-friendly bank cards and carbon offset programs. United Overseas Bank (UOB) launched Singapore's first bio-sourced credit card, the UOB EVOL Card, made from Polylactic Acid (PLA) and bio-sourced, corn-based materials that cuts down on plastic use by 82 percent. In 2022, Thales collaborated with Trust bank, Singapore's first and one of the fastest growing digital banks in the world, to offer the country's first Ocean Plastic payment card that consists of 70% ocean plastic manufactured from PET (a type of plastic used in single-use plastic bottles) recovered from coastal areas.





## Local Partnerships



Thales collaborates with multiple institutes of higher learning including Ngee Ann Polytechnic, Temasek Polytechnic, the National University of Singapore (NUS), Republic Polytechnic, and the Singapore University of Technology & Design (SUTD).

Since 2019, Thales has been part of the Singapore Aerospace Programme under the aegis of A\*STAR, Singapore's lead public sector agency for economic-oriented research. Through this collaboration, parties have teamed up to develop new technologies, applications, and capabilities to solve avionics-related problem statements, furthering Singapore's recognition as a global aerospace hub.

Thales has worked with the National University of Singapore to jointly develop and test quantum technologies for commercial applications. This includes combatting the threats of quantum computing with secure encryption using Thales' Hardware Security Modules (HSMs) and high-speed network encryptors.

Thales also operates joint labs with its customers and partners. The S\$30 million CAAS-Thales Aviation Innovation Research (AIR) Lab was inaugurated in 2019, located alongside the Thales Digital Factory. Engineers from both CAAS and Thales work on joint innovation in new ATM technologies, including the development of an Open ATM System Architecture and an ATM Twin.

Thales also inaugurated a Co-Lab with HTX in 2022 to jointly work on critical solutions that empower local agencies to secure borders, safeguard critical infrastructure and secure the safety of all citizens.



## Annexes/ List of Historical References

### 70s - 80s

- › In 1973, Thomson-CSF Group begins operations in Singapore.
- › In the early 80s, begins manufacturing consumer electronics.
- › In the mid-80s, Gemplus begins operations in Singapore.
- › In the the late 80s, Sextant Avionique joins the Groupe and is relocated to Loyang Industrial Estate as support hub for avionics.

### 90s

- › In 1993, avionics repair capabilities are expanded, including the A320 retrofit program.
- › In 1998, Gemplus is established as a manufacturing facility for micro modules.

### 2000s

- › In 2000, Thomson-CSF becomes Thales.
- › In 2001, Gemplus moves to 12 Ayer Rajah Crescent to cater for expansion of manufacturing activities.
- › In 2003, Thales establishes the Group's fifth Thales Research and Technology Lab.
- › In 2006, Thales moves to 21 Changi North Rise and Gemalto is formed by the merger of Gemplus and Axalto.
- › In 2009, Thales expands to 28 Changi North Rise and a joint lab CINTRA is established with CNRS and NTU.



## Annexes/ List of Historical References

### 2010s

»	In 2013, a second Centre of Excellence is established for Radars and Sensors.
»	In 2015, the S4TIN lab is launched with NTU for research in micro and nano-satellites.
»	In 2016, a partnership is established with Singapore Airlines for in-flight entertainment systems for the A350 XWBs.
»	In 2018, the Thales Digital Factory Singapore is established.
»	In 2019, Gemalto becomes Thales Digital Identity & Security.

### 2020s

»	In 2021, Singapore banks go green with Thales' sustainable solutions.
»	In 2022, Thales drives 5G deployment for Singapore's Mobile Network Operators.
»	In 2023, Thales celebrates its 50-year anniversary in Singapore.
»	In 2023, Thales DIS Manufacturing Competence Centre commemorates 25 years of operation.
»	In 2023, the Defence hub, ATM Centre of Excellence and ScaleFlyt Remote ID solutions for drones are launched.
»	In 2025, cortAIx launches in Singapore for the first time in Asia.



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