

Thales in Indonesia

Factsheet



Did you know?

- Thales' equipment is on-board the **42 Dassault Rafale fighter jets** acquired by the Indonesian Air Force.
- The **Thales Alenia Space**-manufactured **SATRIA satellite connects around 145,000 Indonesian areas** including **90,000 schools** as well as **40,000 hospitals and public buildings**.
- Thales has installed close to **50% of Indonesia's air traffic management infrastructure**, including an upgrade of the Makassar system to TopSky-ATC.
- Thales is helping Indonesian banks to achieve their goals in **"Go-Green" and sustainability programs** by providing eco-friendly banking cards.

About **Thales**

Thales is a global leader in advanced technologies specialized 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.

Thales in Indonesia

Thales has been present in Indonesia for over 45 years, driven by a strong historical presence in the defence sector and by close collaborations with key local industrial partners, including DEFEND ID (PT Len, PT Pal, PT Pindad) and private companies.

Beyond defence, Thales is also expanding connectivity for the people of Indonesia by delivering high-speed connectivity across the country. In the past two years, two Thales Alenia Space-manufactured telecommunications satellites "SATRIA 1" and "Merah Putih 2" were launched for the benefit of Indonesia, helping connect vast swathes of the archipelago and helping bridge the digital divide.

Thales also provides air traffic management systems for the bustling Makassar region, including air traffic control centres, radars and navigational aids that ensure planes take off and land safely.

In civil markets, Thales has continually strengthened its digital portfolio of solutions such as biometrics, data protection and cybersecurity as well as banking and connectivity solutions. In order to support Indonesia's infrastructure modernisation ambitions, Thales also stands ready to support the Indonesian Government by providing technologies in the field of Smart Cities.



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 give armed forces the decisive edge.

- In Indonesia, Thales has a leading position in the naval defence segment, as a main supplier of combat systems for all major warships in service with the Indonesian Navy (TNI-AL) for the last 45 years. The Navy operates Thales equipment in electronic warfare, combat management systems and naval communications as well as fire control and initial navigation systems (INS). This includes the TACTICOS Combat Management System and sensors in service on the Indonesian Diponegoro-class and Martadinata-class frigates.
- In Air Surveillance, Thales has a long history of providing long-range surveillance radars, including the acquisition in 2023, of 13 Thales GM 403 long-range surveillance radars by the Indonesian Air Force. All radars are connected to Thales Air C4I systems (Sky Keeper) providing operational pictures of the Indonesian airspace.
- In the field of Air Defence, Thales has supplied 10 batteries of ForceShield/StarStreak systems with the GM 200 radars. The commissioning of the StarStreak short-range air defence system significantly improves the Indonesian Army's (TNI-AD) capabilities against air threats and provide long-range target detection capabilities using the GM200 radar.
- In the Land domain, Thales has equipped Pindad's ANOA armored vehicles with vehicle cameras and delivered XTRAIM soldier optronics to Army Special Forces. In the field of armament, Thales has supplied rockets on the Army aviation and Air Force's helicopters.
- To service a strong installed base across these domains, Thales offers a lifecycle support for its equipment, aligned with Indonesian Key Industrial Partners, providing spares and after-sales services.



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, optimizing flight operations and enabling the safe integration of new types of aircraft in airspace, capitalizing on cutting-edge technologies such as AI and cybersecurity.

- Thales is recognised as a key partner for aerospace solutions serving a wide range of customers. In this domain, Thales has installed close to 50% of Indonesia's air traffic management infrastructure, supplying Air Traffic control centres, radars and nav aids.
- In 2016, Thales successfully upgraded the air traffic management system in Makassar, Indonesia, to the TopSky- ATC system. The Makassar system controls air traffic in the Eastern half of Indonesia, including more than 1000 arrival, departure and overflight movements per day.
- The upgraded programme includes extensive training to increase operator skills and confidence when using the system, making the Makassar system in line with global best practice and standards for air traffic management.
- In the field of In-Flight Entertainment, Garuda Indonesia, the country's flag carrier, operates the Thales AVANT IFE System on board its A330neo aircraft.



Space

Thales Alenia Space offers institutions, governments, companies and operators a wide range of space solutions – satellites, ground segments, end-to-end-systems – for telecommunications, satellite navigation, earth observation, science and space exploration.

- Indonesia is a strategic market for Thales Alenia Space (TAS), who became in 2007 the first non-American company to gain a foothold in the space market. Since then, TAS has delivered four telecommunications satellites to the country, contributing to the digital infrastructure development of Indonesia and strengthening connectivity infrastructure across the Indonesia archipelago.
- Thales Alenia Space is also responsible for the design and manufacture of the SATRIA satellite, launched in 2023. Dedicated to narrowing the digital divide, SATRIA connects around 145,000 areas including 90,000 schools, 40,000 hospitals and public buildings as well as regional government sites not linked by existing satellite or terrestrial infrastructure.
- In 2024, Thales Alenia Space delivered a new C/Ku-Band broadband telecommunications satellite to TelkomSAT, Indonesia's leading satellite service provider. The "Merah Putih" satellite provides more than 32 Gbps capacity over Indonesia.



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.

- Thales plays a key role in enhancing connectivity within Indonesia by supplying SIM-cards and eSIM profiles as well as managing subscriptions through our Over-The-Air platform for Indonesia Mobile Network Operators.
- Thales also provides more than 30 banks and financial institutions in Indonesia with multiple payment card options for digital and physical transactions. Thales is also continuously helping Indonesian banks to achieve their goals in "Go-Green" and sustainability programs initiatives by providing choices of eco-friendly card materials.
- In response to Indonesia's growing needs for secure and controlled access of personal identity data, Thales supplies the Civil Automated Biometric Identification System (ABIS) for the Indonesian Immigration office. The biometric database size of over 40 million records consists of both fingerprints and facial recognition data.
- In the field of cybersecurity Thales offers end-to-end solutions enabling Indonesia to reach cyber sovereignty.
- Thales is also a leading supplier of Smart City solutions, with its full Smart City portfolio including Safe City and Smart Transportation as well as Citizen Experience.



Sustainability Commitments



Building a future we can all trust is our purpose at Thales. Thales in Indonesia is strongly committed to sustainability. We take a proactive and responsible approach to reduce our environmental impact, create an inclusive and equitable workplace encompassing the diversity of all our employees and stand by a strong ethics and integrity policy based on the highest international standards.

As part of an initiative to empower the young employees of Thales in Indonesia, the Young Employee Society (YES) is a platform to develop skills and give a voice to young professionals in the organisation. YES has held a series of Corporate Social Responsibility actions, such as planting mangrove on Jakarta's coastline to help slow down the effects of rising sea levels.

Thales in Indonesia is also partnering with Indonesian universities such as the Defence University of Indonesia (UNHAN) to nurture future generations of talent. This partnership will involve joint R&D initiatives with the University, including providing operational training by Thales experts in wide-ranging defence topics.



Local Partnerships



Thales works alongside key Indonesian partners in the fields of air defence systems, naval combat management systems and surveillance radars. Today, Indonesia's "Merah Putih" industrial defence policy, in reference to the colours of its national flag, strives to develop local capabilities and achieve technological sovereignty. Thales supports this national goal through lasting and ambitious partnerships.

With the creation of the national defence holding "DEFEND ID" in 2022, Thales took a decisive step in its local cooperation ambitions by signing a strategic partnership defining various areas of transfers of technology. These areas include radars, C2, military satellites and Combat Management Systems.

Following this strategic partnership with DEFEND ID, PT Len Industri and Thales later joined forces to develop local capability in Indonesia. Through PT Thales Len Technologies, the first Joint Venture of its kind in the Indonesian Defence sector, PT LEN and Thales will kick-start a unique Centre of Excellence that will first address the Indonesian Air Force requirements in air operations, including collaboration on air surveillance radars and Command & Control (C2) systems.

The Group also developed a partnership with PT CTB for the maintenance of the ten Forceshield batteries already in service with the Indonesian Army.

Furthermore, Thales is currently developing its partnerships in the civilian sector, namely with PT Telkom, a leader in digital solutions in Indonesia. With a partnership hinging on Data Protection & Cyber Security, Thales Indonesia and PT Telkom will jointly secure data for Indonesian citizens and consumers, thus accompanying Indonesia's dynamic digital transformation.



Annexes/ List of Historical References



Defence

	In 2023, 13 Thales GM 403 long-range surveillance radars were procured for the Indonesian Air Force.
	In 2020, in order to supply the full-integrated navigation system to the Indonesian Navy, Thales successfully signed the "MRLF 1" contract in partnership with PT Len Industri.
	Since 2023, Thales has been providing maintenance for ForceShield systems through a multi-year support contract with the Indonesian Army. This maintenance targets the ten installed batteries of Forceshield in Indonesia.
	Launched in 2025, PT Thales Len Technologies, a Joint Venture between PT Len Industri and Thales aims to become a Centre of Excellence for radars in Indonesia.



Civil aviation

	In 2016, Thales successfully upgraded the Air Traffic Management system in Makassar, Indonesia, to the TopSky- ATC system.
	In 2018, Garuda Indonesia, the country's flag carrier, selected the Thales AVANT IFE System on board its A330neo aircraft.



Space

	In 2007, Thales was chosen to supply the Palapa-D telecommunication satellite.
	In 2017, the Thales Alenia Space Telkom 3S satellite was successfully launched.
	In 2023, the SATRIA 1 satellite was launched aiming to bridge the digital divide in Indonesia.
	In 2024, Thales Alenia Space's HTS 113BT "Merah Putih" C/Ku-Band broadband telecommunications satellite was launched. It is operated by Telkomsat.



Cyber & Digital

	In 2023, Thales signed a MoU with BSSN National Cyber Security and Cryptography Agency of Indonesia.
	In 2023, Thales and the New Indonesian Capital Authority "OIKN" signed a Memorandum of Understanding on Smart City technologies.
	In 2024, Thales signed a Strategic Partnership Agreement with PT Telkom, a major connectivity provider in Indonesia to collaborate on data protection and cyber security.

THALES

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