Factsheet
Thales in Indonesia
Thales in Indonesia

- A 40-year footprint
- Over 40 employees
- Headquartered in Jakarta

Highlights

Defence
- Provides long range surveillance radar for the past 40 years (MASTER T and TRS 2215)
- Supplies naval combat systems in Indonesia
- Equips the Indonesian Army (TNI-AD) with the Starstreak VSHORAD

Aerospace
- Installed close to 50% of Indonesia’s air traffic management infrastructure, including an upgrade of the Makassar system to TopSky-ATC system
- Enhances Garuda Indonesia’s latest aircraft A330neo fleet with Thales’ AVANT inflight entertainment system

Space
- Appointed to build and launch the Palapa-D Satellite to Indosat in June 2007
- Successfully launched the Telkom-3S telecoms satellite in Indonesia’s state-owned telecommunications provider in February 2017
- Contracted to provide a broadband telecommunication satellite, SATRIA, to Indonesia in July 2019
- Signed a Preliminary Work Agreement to start the SATRIA activities in September 2020

Transportation
- Provides signalling systems to improve reliability of on Indonesian Railways (PT Kereta Api Indonesia) since the 1990s
- Awarded to modernise signalling systems in the cities of Yogyakarta and Solo in October 2019

Digital Identity & Security
- Leading supplier of SIM-cards and over-the-air solutions for many local telecommunications companies
- Sold over 90 million SIM-cards in the country in 2019
- Offers multiple payment card options for digital and physical transactions to more than 30 banks and financial institutions
- Secures data and transactions of Indonesian banks for more than 20 years through Thales’ Hardware Security Module (HSM) solutions
- Supplied the Civil Automated Biometric Identification System (ABIS) for the Indonesian immigration office in October 2018.
Thales in the Republic of Indonesia – Factsheet

Thales has been present in the Republic of Indonesia for over 40 years in the defence, aerospace and space domains. Located in the capital of the nation at Jakarta, Thales today has over 40 employees dedicated to delivering innovative solutions to Indonesia.

Thales is a long-term strategic supplier of defence solutions to the Indonesian Air Force (TNI-AU), Army (TNI-AD) and Navy (TNI-AL).

We are also present in the civil domains, providing various solutions for air traffic management, signalling systems for railway projects and telecom satellites.

In the Digital Identity & Security domain, the acquisition of Gemalto on 2nd April 2019 brought Thales an unrivalled portfolio of solutions based on technologies such as biometry, data protection and cybersecurity. In Indonesia, Thales now serves the needs of diverse customers in the banking, telecommunications and government sectors.
Local cooperation

Thales works alongside key Indonesian partners in the fields of air defence systems, naval combat management systems, transportation systems and surveillance radars. We are a trusted partner of major Indonesian companies such as PT LEN Industri, PT INTI, PT PINDAD and PT TELKOM.

Thales cooperates closely with PT LEN Industri, a state-owned electronics enterprise, in several projects on the grounds of technological and business synergies between both companies. For instance, PT LEN Industri is Thales’ main partner for Starstreak, Naval Combat Management Systems, main-line transportation solutions and radar maintenance.

In recent years, PT LEN Industri and Thales have signed numerous memorandums of understanding (MoU) across several domains, contributing to enhance Indonesia’s local expertise.

| April 2019: | We signed an MoU with PT LEN Industri to extend the traditional collaboration in the defence sector. Through this MoU, Thales will provide maintenance to its existing fleet of air defence radars currently in operation with the Air Force, as well as support in training and transfer-of-technology to build up their know-how in radar management and maintenance. |
| June 2019: | We expanded the MoU from 2014 with PT LEN Industri to strengthen the cooperation in system integration in the frame of Combat management system of Bung Tomo class ships and Offshore-Patrol Vessels 90m (OPVs). |

Thales has been deliberately seeking to develop this partnership beyond the traditional defence sector. As such, we have signed a MoU with PT LEN Industri in 2018 to collaborate on delivering advanced signalling systems for railway projects in Indonesia. The main goal is to support them in bringing locally developed high-technology systems to the rest of the world and become a regional player in transportation.

Currently, we are expanding the local collaboration based on the MOU signed with PT INTI on Very Low Frequency Communication for Submarine and another MoU with PT PINDAD to co-develop Bushmaster vehicles in the archipelago.

Industry focus

Defence

Thales has a leading position in the naval defence segment, having been appointed as the supplier of combat systems for all major warships in service with the Indonesian Navy (TNI-AL) for 40 years.

Under the contracts inked in 2004 and 2006 between the Indonesian Navy and Royal Schelde shipyards of the Netherlands, we have supplied all major sensors and the TACTICOS Combat Management System that integrates sensors and weapons for four Diponegoro-class corvettes. This Naval Mission System is also integrated into the recently accepted two Martadinata-class frigates.

For this particular programme, Thales is supplying the TACTICOS Combat Management System, the SMART-S Mk2 surveillance radar, the STIR 1.2 Mk2 EO fire control system, the KINGKLIP sonar, the LINK-Y datalink, as well as its naval communication and navigation systems. The first Martadinata-class frigate was delivered by Damen to the Indonesian Navy in February 2017.

In addition, PT LEN Industri reinforced their trust in Thales with the extension of a MoU signed in January 2017 for further cooperation in research and development for combat management systems, and transfer of technology for the TACTICOS CMS and other combat systems’ integration. The end-result of this initiative is a successful partnership for MRLF and a favourable position for a LEN-Thales combat system supplier for OPVs in 2020.

In March 2020, PT Len and Thales signed a contract for the complete modernization of the KRI Usman-Harun multi-role light frigate’s mission system. This upgrade of critical mission systems will ensure that the latest developments in combat management and sensors are installed for optimum performance, extending the life cycle of the frigate.

In 2019 Thales was selected by the Indonesian Air Force to upgrade the AMASCOS Mission System for CN-235 aircraft built by state-owned company PT DI (Dirgantara).

In the field of short-range anti-aircraft defence, Thales has won three contracts in 2012, 2013 and 2016 to supply nine VSHORAD anti-aircraft defence batteries based on the GM 200 radar and the Starstreak missile, in partnership with local state industry champion PT LEN Industri. The signature of a fourth contract took place in 2019.
**A STARStreak High Velocity Missile fired from an armoured vehicle. (Credit: Thales)**

The commissioning of the Starstreak short-range air defence system will significantly improve the Indonesian Army’s (TNI-AD) capabilities against air threats and provide long-range target detection capabilities using the GM200 radar.

In addition to supplying core components (i.e. CONTROLMaster200 radar and weapon coordination systems and Starstreak short-range air defence missiles), the system also comprises of RAPIDRanger mobile weapon systems and Lightweight Multiple Launchers (LML) as well as associated communications, training and support equipment.

Thales also has a strong position in air surveillance and is the appointed supplier of surveillance radars to the Indonesian Air Force (TNI-AU) for 40 years.

Today, 13 long-range radars are installed across the country: 8 TRS 2215-2030 and 5 Master-T. All radars are operational and connected to Thales Air C4I systems (Sky Keeper), providing a full operational picture of the Indonesian airspace. We also provide Master-T Radar Support and Services since 2010.

**Aerospace**

Thales is recognised as a key partner for aerospace solutions, serving a wide range of Indonesian stakeholders in this domain.

Thales is responsible for installing close to 50% of Indonesia’s aviation infrastructure, supplying Air Traffic control centres, radars and navigational aids (NAVAIDs).

In January 2016, we successfully upgraded the Air Traffic Management system in Makassar to the TopSky-ATC system. 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 practices and standards for air traffic management.

**Garuda Indonesia and Thales signing ceremony at the Singapore Airshow 2018 (Credit: Thales)**

In December 2017, Thales was selected to supply our AVANT In-Flight Entertainment (IFE) system in Garuda Indonesia’s 14 brand new Airbus A330-900. The first aircraft was delivered in November 2019. Additionally, a 10-year turnkey maintenance contract for the system was signed with GMF AeroAsia, ensuring close cooperation with Indonesia’s flag carrier in the upcoming years.

**Space**

Thales Alenia Space (TAS), a joint venture between Thales and Leonardo, is a key player in space telecommunications, navigation, earth observation and space exploration.

In 2007, we were chosen to supply the Palapa-D telecommunication satellite by Indosat, one of Indonesia’s largest telecommunication networks and services providers. Based on the Spacebus-4000B3 satellite bus, this contractual win was the first time a non-American company gained foothold in the Indonesian space market.

In 2014, TAS won the Telkom 3S satellite contract. This satellite increases the operator’s C-band capacity in Indonesia and South East Asia, and offers high-definition television (HDTV) and remote GSM/Internet services in Ku-band throughout Indonesia, parts of Malaysia and South East Asia. We are responsible for the design, construction, testing and in-orbit delivery of the satellite.

**SATRIA Indonesian telecommunication broadband satellite (Credit: Thales)**
In 2019, Indonesia’s Ministry of Communication and Information Technology (KOMINFO) selected the consortium led by the domestic satellite operator Pasifik Satelit Nusantara (PSN) to deploy and operate a broadband telecommunication satellite. This consortium awarded TAS to design and manufacture the satellite named SATRIA.

Dedicated to narrowing the digital divide, SATRIA will connect 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.

The satellite will contribute to the digital infrastructure developments in Indonesia. In 2020, Satelit Nusantara Tiga (SNT) and Thales Alenia Space signed a Preliminary Work Agreement to start the activities of SATRIA.

Transportation

Thales is a global player with an impressive track record in the field of rail transportation systems, both in the freight and passenger transport markets with expertise ranging from greenfield projects, to upgrades and modernisation of existing rail infrastructure.

Rail transportation has become an important topic in Indonesia with the recent governments focusing on developing its national and urban infrastructure. Through close collaboration with our esteemed partner PT LEN Industri, Thales addresses the needs of these markets.

Our signalling systems have been supporting Indonesian Railways (PT KERETA API Indonesia) since the 1990s. The reliability of these systems has been proven for more than two decades, and in 2019, the first modernisation of the signalling systems was initiated in the cities of Yogyakarta and Solo.

Digital Identity & Security

With the acquisition of Gemalto in 2019, Thales has strengthened its position in Indonesia as an industrial leader in telecommunications, banking, cyber and digital security.

Thales plays a key role in enhancing connectivity within Indonesia as a supplier of SIM-cards and over-the-air solutions for many local telecommunications companies including Telkomsel, Tri (3) and Smartfren. In 2019, over 90 million SIM-cards were sold in the country, with plans to introduce a new generation of e-SIM technology.

Thales provides more than 30 banks and financial institutions in Indonesia with multiple payment card options for digital and physical transactions, as well as a growing range of software and services for digital banking and payment services.

In the payment cards segment, Thales supplies EMV contact and contactless cards, as well as related card personalisation and issuance services such as in-brand instant issuance. We also secure the data and transactions of all Indonesian banks for over 20 years with our hardware security module (HSM) solutions that protect cryptographic keys.

In the age of rapid digitalisation where there is a growing need for secure and controlled access of personal identity data, Thales supplied the Civil Automated Biometric Identification System (ABIS) for the Indonesian Immigration office.

The biometric database size of 35 million records consists of both fingerprints and facial data. Our solution performs fully automated matching and has completed successfully the data migration of the old biometrics database (37 million records).