Helping our customers master every decisive moment

Thales Group overview
Overview

Over 83,000 employees

68 Countries Global presence

1 bn € Self-funded R&D*

Sales in 2019 19 bn €

* Does not include externally financed R&D
Our Customers’ Big Ambitions Make the World Go Round

GOVERNMENTS

INSTITUTIONS

CITIES

COMPANIES
From the Bottom of the Oceans... to the Depths of Space & Cyberspace

- Digital Identity and Security
- Ground Transportation
- Defence and Security
- Space
- Aerospace
Thales’s Mission

Sensing & data gathering

Data transmission & storage

Data processing & decision making

Digital Identity and Security

Defence and Security

Aerospace

Space

Ground Transportation

We help customers master decisive moments by providing the right information at the right moment
Key Digital Technologies

- Connectivity
- Big Data
- Artificial Intelligence
- Cybersecurity

Over €7bn invested in digital for the last 5 years
Digital Identity and Security: Bringing Trust and Confidence to the Connected World

- Digital identity management
- Secure identity documents
- Identity verification
- Biometrics
- Physical and digital payment credentials
- Digital banking security
- Mobile and IoT security and connectivity
- Multi-modal authentication
- Data encryption
- Cloud security
- Software license protection

3,000+ financial institutions rely on us to protect their payment and banking services

200+ government programs deployed for civil identity, biometrics and law enforcement

$1 trillion interbank fund transfers per day protected with our data encryption platforms.

100+ eSIM deployments with mobile operators and OEMs worldwide

11.5 year contract to produce the new UK ePassport

Managing identities and protecting data for Billions of people and things every day.

THALES
Defence and Security: Protecting and Preserving Security at the Highest Level

- Over 50 countries protect their populations and territories with Thales defence systems.
- More than 800,000 Thales tactical radios are in service in over 50 countries.
- Thales systems and equipment represent almost 25% of the total value of the Rafale combat aircraft.
- 340m people travel each year via airports secured by Thales.
- Mexico City: the most advanced urban security project in the world. Crime rates have been reduced by 56% in the last 10 years.
- Cybersecurity solutions for 9 of the top 10 internet giants.

- State protection
- City and Critical infrastructures protection
- Critical information systems and cybersecurity
- Connected collaborative combat
- Communications, command & control systems
- Mission services and support
- Protection and mission / combat systems
- Surveillance, detection and intelligence systems
- Big Data powered Intelligence, Electronic Warfare and Cyberdefense systems
- Smart sensors
- Training & Simulation
Aerospace: Make Flying Safer, Easier and More Efficient

1bn passengers use Thales in-flight entertainment systems every day.

Over 160 Air Traffic Management control centers around the world are equipped by Thales. Between them, they cover more than 40% of global airspace.

60% of air traffic in China is managed by Thales solutions.

2 out of 3 aircraft in the world take off and land using Thales equipment.

Training & simulation for civil and military helicopters and aircraft.

- Air traffic management
- Training and simulation
- Nose-to-tail aircraft connectivity
- In-flight services
Space: Capitalise our Planet’s and Solar System’s Resources

- Telecommunications
- Earth observation
- Science and space exploration
- Navigation
- Orbital infrastructure
- Space transport

All telecom constellations operating today were built by Thales Alenia Space.

Thales Alenia Space has built all the European Meteosat satellites to date, and is driving ambitious programmes dedicated to climate change, environmental monitoring and planet protection.

Central role in civil and military programmes worldwide, through Thales Alenia Space.

Thales Alenia Space is prime contractor for ExoMars, Europe’s first mission to land on Mars.

Thales Alenia Space has supplied 50% of the International Space Station.
Transportation: Connected Journeys to Transport People and Goods Safely and Efficiently

8bn passengers a year benefit from Thales technologies.

In Switzerland, the world’s longest rail tunnel - 57 km - uses Thales signalling systems, making it possible to run trains at up to 250km/h.

Over 70% of Spain’s high-speed network — the largest high-speed network in the world — is equipped with systems supplied by Thales.

The 75 km Dubai metro system — one of the longest driverless metro in the world — is equipped with a complete solution supplied by Thales.

In London, Thales is providing new signalling for 4 lines which make up 40% of the global network.

• Signalling
• Communications
• Fare collection
• Cybersecurity
Thales: A Research and Development Powerhouse

Albert Fert
Scientific director of the CNRS/Thales joint physics unit and winner of the 2007 Nobel prize in physics.

6 times winner

Expertise in a uniquely broad range of technical domains, from science to systems, applied across businesses.

An extensive intellectual property portfolio of 20,500 patents.
Corporate Responsibility: A strategic Choice, Key to Business Performance

Embedded in **every business process and day to day work**

- Code of Ethics and dedicated organisation.
- Robust policies and internal control.
- Focus on employee training, awareness and ownership.

- Group-wide environmental, social and governance programs.
- Promoting responsible dialogue with all stakeholders.

- Driving industry-wide initiatives (corruption prevention, best practices).

**Member of Global Compact since 2003. Thales has achieved Global Compact Advanced level.**

**Carbon Disclosure Project. Thales ranked CDP A**

**Thales has been ranked n°1 in the Defense/Aerospace sector by the Dow Jones Sustainability Indices (DJSI) Europe and World.**
Education
“Helping future generations face the challenges, jobs and skills of tomorrow.”

Focus
STEM education. Classroom innovation.

Beneficiaries
10,000 young school children & teachers per year.

Humanitarian disasters
“Reducing the vulnerability of the more fragile and less prepared populations.”

Focus
Natural disaster risk prevention & reduction. Preparation of emergency intervention teams.

Beneficiaries
Thousands of people in high-risk areas. Humanitarian teams.

INNOVATE FOR PEOPLE
Over 60 projects worldwide supported since 2015, focusing on two major challenges
Leadership Team

Millar CRAWFORD
Executive Vice-President
Ground Transportation Systems

Alex CRESSWELL
Executive Vice-President
Land & Air Systems

Marc DARMON
Executive Vice-President
Secure Communications and Information Systems

Philippe DUHAMEL
Executive Vice-President
Defence Mission Systems

Hervé DERREY
Executive Vice-President
Space

Gil MICHELIN
Executive Vice-President
Avionics

Philippe VALLEE
Executive Vice-President
Digital Identity and Security

Patrice CAINE
Chairman and
Chief Executive Officer

Pascal BOUCHIAT
Senior Executive Vice-President
Chief Financial Officer & Information Systems

Philippe KERER
Executive Vice-President
Strategy, Research and Technology

Jean-Loïc GALLE
Senior Executive Vice President, Chief Operating Officer and Chief Performance Officer

Isabelle SIMON
Group Secretary & General Counsel

Pascale SOURISSE
Senior Executive Vice-President
International Development

David TOURNADE
Senior Executive Vice-President
Human Resources