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
From the Bottom of the Oceans… to the Depths of Space & Cyberspace

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

Sensing & data gathering

Data transmission & storage

Data processing & decision making

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

Over €7bn invested in digital for the last 5 years

Connectivity

Artificial Intelligence

Cybersecurity

Big Data
Our Markets

- Digital Identity and Security
- Defence and Security
- Aerospace
- Ground Transportation
- Space
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

100+ eSIM deployments with mobile operators and OEMs worldwide

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

11.5 year contract to produce the new UK ePassport

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

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

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.

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

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 programmes.
- 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 B

Thales has been ranked in the top 3, in the Defense/Aerospace sector by the Dow Jones Sustainability Indices (DJSI) Europe and World, for the last 3 years.
Thales: Engagement and Accountability

Concrete targets for gender equality:
- Women accounted for 32% of new hires in 2018
- 49% of management committees included at least 3 women in 2018

16% reduction in carbon intensity over the last 3 years
- Commitment to reduce the carbon footprint of our activities and those due to our products and provide innovative and eco-responsible functions and services that enable our customers to reduce their own
- Emissions reduction targets consistent with the 2°C trajectory of the Paris agreement: reduction of direct emissions from operations by 40% and indirect emissions by 15% in 2030

Extremely ambitious R&D policy based on local partnerships (Universities, research institutes, start-ups, etc.)
- €879 million invested in R&D and 350 patents filed in 2018
- 11.2% reduction in energy intensity (TOE/k€) between 2016 and 2018
Thales: Engagement and Accountability

Promoting Just, Peaceful and Inclusive Societies and Institutions

Thales’s solutions and partnership ethos support governments, international organisations and companies in the fight against terrorism, crime and corruption.

Promoting Inclusive and Sustainable Economic Growth, Employment and Decent Work for All

Thales invests in long-term, responsible relationships with employees, suppliers and subcontractors:
- 97.4% of jobs on long-term contracts and 93.1% on full-time contracts
- Responsible Supplier Relations certification since 2012

Making Cities Inclusive, Safe, Resilient and Sustainable

Thales solutions help make cities safer, more attractive and easier to live in:
- The ATSsoft Energy Saving solution significantly reduces energy consumption by metros and trams
- In Mexico City, Thales solutions have cut emergency response times by a factor of 6

Ensuring Sustainable Consumption and Production Patterns

Thales applies eco-design principles in all its industrial processes:
- All new products to incorporate eco-design principles by 2023
- Environmental policies of 84% of Thales suppliers (80% of total purchasing spend) assessed between 2016 and 2018
Engaging for Solidarity

Trust Solidarity, Share Technology

Launch of Thales Solidarity, a Group programme to coordinate the Group’s community engagement initiatives around priority themes and common criteria

3 focus areas
Leverage innovation and technology to serve:

- EDUCATION AND PROFESSIONAL INTEGRATION
- DIGITAL CITIZENSHIP
- ENVIRONMENTAL PROTECTION

Our engagement draws on 3 sources of solidarity:

- Funding projects with high social impact through the Group charitable structure
- Engaging with local communities around Thales locations in all countries of operations
- Encouraging employee engagement through a digital platform
**Leadership Team**

Millar CRAWFORD  
Executive Vice-President  
Ground Transportation Systems

Christophe SALOMON  
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

Yannick Assouad  
Executive Vice-President  
Avionics

Philippe VALLEE  
Executive Vice-President  
Digital Identity and Security

Alex CRESSWELL  
Chief Executive Officer  
and Chairman of Thales UK

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

Philippe KERYER  
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 TOURNADRE  
Senior Executive Vice-President  
Human Resources

Patrice CAINÉ  
Président-directeur général