

Corporate - Civil Aerospace - Defence Aerospace - Space - Transportation - Defence - **Security**

Thales on the Security market



Thales offers customers unparalleled experience in every aspect of the security market and recognised expertise in large-scale, mission-critical systems integration.



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Modern societies are mobile and interconnected, and the infrastructure that allows them to function plays a critical role. As the nervous system of our societies, this infrastructure must not only improve the quality of life but also guarantee security, which is possibly the most important criterion in ensuring a sustainable future.

Whenever governments, local authorities, critical infrastructure providers and businesses have to deal with complex situations, they need to find the right balance between security and the quality of the services they provide.

Security threats are inherently difficult to manage because there are so many different types — terrorism, cybercrime, urban crime, trafficking, illegal immigration, natural disasters, industrial accidents, etc. — and because they are constantly evolving. However, their economic impact can be enormous. In addition, as organisations embrace the digital transformation, industrial systems as well as information systems are increasingly at risk. Data security and network security have become absolutely crucial.

The ability to anticipate crisis before they happen, and to respond quickly when they do, are the keys to effective security protection today. Operators and decision-makers need to be alerted as early as possible, and they need faster access to reliable, detailed information so they can decide and act effectively in a crisis situation. Post-event analysis tools are

also needed to help them capitalise on past experience and gather evidence for subsequent investigations.

Thales solutions

As the European leader in digital technologies for defence and security applications, Thales plays a pivotal role in the security market. The Group is positioned as a value-added system integrator, equipment supplier and service provider.

To assume this role and contribute to the security of people, property and data, Thales has identified four key domains that need be protected:

State

National security, intelligence, land and maritime surveillance, etc.

Cities

Urban security, major events, smart cities, etc.

Critical infrastructure

Protection of government facilities, ports, airports, nuclear power stations, public buildings, prisons, holy sites, etc.

Cyberspace

Consultancy and definition of information system security policies, implementation of security architectures, sensitive data protection solutions, system operation and cybersecurity management for critical information systems, etc.

Thales added value

- Systems integration capabilities for complex, large-scale systems that leverage customers' legacy solutions.
- Innovative systems offerings that draw on proven expertise in key digital technologies: IP, 4G, secure cloud, IoT, algorithms, artificial intelligence, high-definition image chain, data fusion, Big Data analytics (video, voice, text, data), augmented and virtual reality, machine learning, etc.
- A unique international footprint and proven ability to work with local partners worldwide.
- An in-depth understanding of our customers' lines of business, based on leadership of flagship programmes in each area.

Thales solutions help customers to protect themselves effectively against all types of threats. Huge volumes of data from the different sensors deployed within security systems are translated into complete, reliable, context-sensitive information. This enables customers to make the right decisions at the right time, act accordingly and manage incidents and crisis situation with speed and efficiency. Technologies are carefully selected to match the operational requirements of each use case and each customer.

The overarching objective of Thales solutions is to make decision-making processes easier and more efficient for routine operations as well as serious crises or unprecedented situations



KEY FIGURES

- Revenues of more than **1 billion euros** in the security market.
- **European leader in cybersecurity:** 2,000 cybersecurity specialists, 5 supervision centres (France, United Kingdom, Netherlands, Canada and Hong Kong). Critical information system operation and cybersecurity management for over 130 customers.
- **European No. 1 in optronic solutions**, with more than 7,000 products in service in over 60 countries.
- **No. 1 worldwide in security for inter-bank electronic transactions:** Thales helps to protect 80% of the world's banking transactions, ensuring security for 19 of the 20 largest banks in the world.
- **World leader in critical infrastructure security** with more than **400 critical facilities** protected worldwide.

International references

Governments and international organisations

- **National security:** public security database for the Gendarmerie Nationale in France; a nationwide emergency population warning and information system in Belgium.
- **Communications security** for high-speed networks in almost 30 countries. Ensuring the security, integrity, continuity of service and resilience of mobile and deployable telecommunication networks and infrastructure networks is a key challenge for governments, armed forces and critical infrastructure providers (healthcare, water, energy, communications).
- **Optronics:** night vision goggles in service with French and European security agencies; handheld thermal imagers for security services; Spy'Ranger mini-UAS for security and defence missions selected for French armed forces (SMDR programme) after

competition with global leaders in the mini-UAS market.

Urban security

- **Ciudad Segura programme:** the world’s most ambitious urban security system (more than 15,000 CCTV cameras). Emergency response times divided by 6 and crime rates down by 56% since 2009.
- **Event management system** for the G20 Summit in Brisbane in November 2014.
- **Security** for the world’s two largest pilgrimages.
- **Security** for public buildings (Paris).

Critical infrastructure security

- **Airport security** for New York (United States), Dubai (UAE), Doha (Qatar), Muscat and Salalah (Oman), Durban (South Africa), Changi (Singapore), Lisbon and Madeira (Portugal), Pisa (Italy), Lyon (France) and Bahrain.
- **Doha New Port:** integrated security solution for Qatar’s new port infrastructure, set to become the world’s largest commercial port.
- **Government sites:** security for Hexagone Balard, the new headquarters of the French defence ministry; protection of 170 sites for the Dutch defence ministry.

- **Protection of energy facilities in seven countries:** United Arab Emirates, Saudi Arabia, Mexico, Algeria, Iraq, Russia and Kazakhstan.

- **Sensitive sites:** Security for Fleury-Mérogis prison and the Louvre museum ; 24-hour air surveillance of large sensitive sites and facilities such as oil & gas pipelines.

Cyberspace protection

- **Thales is one of Europe's leading players in the cybersecurity market.**
- With the acquisition of the US company Vormetric in March 2016, Thales became the world leader in data protection solutions in physical, virtual and cloud infrastructures.
- World leader in Hardware Security Modules.
- Critical information system operation and cybersecurity management for over 130 customers.
- Security products and solutions (confidential or top secret) in 50 countries, including NATO countries.
- 80% of all banking transactions (19 of the world's 20 largest banks) protected by Thales solutions.

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