Thales: Collective Intelligence for a safer and livable world

People to whom we entrust our lives rely on Thales. Our customers have high ambitions: They want to make life better and safer. Our experts’ competences and cultural backgrounds are unique in their diversity. They enable us to develop exceptional and powerful technical solutions which can make the world of tomorrow already a reality today.

From the bottom of the oceans to the depths of space and cyberspace, we help our customers think smarter and act faster - mastering ever greater complexity and every decisive moment along the way.

Innovation has always been a part of the company’s history. Every year, Thales invests 1 billion euros in self-funded research and development, and more than 28,000 Thales employees are directly involved in the fields of research and technology.

However, at Thales, innovations are not only boosted by investments, but by the employees’ passion for finding new ways of meeting the challenges of modern society.

Thales Deutschland: Local Expertise with global reach

Thales Deutschland has become firmly established on the German market as a company with well-developed structures and customer relationships. The company has its own local production sites and R&D departments and historic roots in Germany reaching back to the year 1880.

Thales Deutschland offers users and decision-makers custom solutions and the experience it has gained through developing applications around the world so they can take action in critical missions. They include, in particular, state-of-the-art passive and active sensors, secure communication and satellite systems and digital security solutions for civil and military applications. Its main customers include airport operators and rail network operators, industrial companies and government organisations that are active in the fields of security and defence both in Germany and abroad.

Thales Deutschland is part of the Thales Group, an internationally leading technology company of European origin. Thales works in promising fields such as connectivity, big data, artificial intelligence and cyber security.
Location Ditzingen

Expertise in Transportation

Security in rail transport is based on different elements. Thales Deutschland offers an extensive portfolio of products and services to ensure safety both during transport as well as in railway stations and railway systems.

At the location in Ditzingen, Thales develops command and signalling technology for regional and long-distance railway travel. With its competence in train and route protection systems, operating centres that monitor, control and secure the entire railway network, axle counters, point machines and signals, the company is able to offer networked comprehensive solutions from a single source: These solutions can be regional or large ones, such as the European Train Control System (ETCS) that is now even used around the world.

The experts at Thales have expertise in implementations at the local, national and international level and offer solutions that encompass entire product lifecycles.

Expertise in Satellite Systems

Thales Alenia Space is one of the leading companies in European space travel. First-class satellite systems for the areas of telecommunications, terrestrial observation, navigation and security and defence meet the needs of institutional and commercial customers around the world.

In Germany Thales Alenia Space specialises in integrating, verifying and qualifying large, complex ground segments, as is the case with the European navigation satellite system Galileo, for example. It also designs and develops solutions for small satellites that enable novel applications that include space-based air traffic monitoring, the Internet of things and machine-to-machine communication.

Expertise in Air Traffic

Thales plays an important role in improving the safety, reliability and efficiency of air traffic around the globe. Thales is one of few providers in the world that is able to equip air traffic control facilities with the entire spectrum of en route and landing systems, as well as airfield and airspace monitoring systems that are not radar bound.

Thales Deutschland has more than 70 years of expertise that has been put to the test in instances such as the implementation of the wide-area multilateral system in Greater Frankfurt, one of the most complicated airspaces in the world. Thales designs terrestrial and satellite-assisted navigation systems for national and international flight control organisations, airport operators, the air force and NATO in Ditzingen. This includes descent, landing and route navigation systems, radar systems for air traffic management and airports, airport and tower systems, complete solutions for communication, navigation, air traffic control and airport automation, as well as satellite-assisted navigation systems. Customers receive both comprehensive solutions and individual products from a single source.
Expertise in Secure Communication and Information Systems

Secure communication is one of the basic requirements and challenges of our times. Thales security solutions are tailored to protect cities, critical infrastructures, global financial markets and sensitive data.

In Ditzingen, Thales bundles its expertise in security solutions for monitoring and safeguarding green borders and border controls, protection of civil and military properties and tactical communication. Tactical radio devices for networked operation guidance during military deployment have been developed and manufactured here for decades.

The cryptography experts are also located in Ditzingen. Encryption components, hardware security modules and electronic key management systems (EKMS) are developed and produced here amongst other things.

Expertise in Radar Technology

At the location in Ditzingen in Baden-Württemberg, tried-and-tested and highly mobile radars for ground and coastal surveillance are developed and manufactured; armed forces and security forces around the world use them for stationary or mobile protection of complicated environments.

Radars from Thales protect the airspace, our coasts and, depending on the level of threat, events like summit meetings or critical infrastructure when deployed in mobile form.

The portfolio consists of radar devices with short, medium and long ranges and a highly intuitive human-machine interface that customers can use to identify and track persons, vehicles, boats and drones. Partners make it possible to develop specialised solutions for towers and vehicle integration.

Expertise in Vision Systems

Night vision goggles and multi-functional thermal imaging devices from Thales guarantee soldiers and police units can successfully complete their reconnaissance and surveillance tasks when visibility is bad, at night or during unfavourable weather conditions. They therefore guarantee every single user’s survivability while providing sovereignty of information. Ditzingen is also where Thales performs all after sales support for devices, from maintenance, technical/logistics supervision and replacement parts supply to product improvements.

We also provide system solutions for vision systems for bullet-proof military vehicles. High-performance sensor combinations featuring thermal imaging, daylight vision systems and laser systems with high stabilisation properties and ranges make it possible to achieve great advantages for deploying the weapon systems.

Data in the critical decision-making chain

At Thales we develop solutions which are increasingly sustainable and that help our customers think smarter and act faster – mastering ever greater complexity at every decisive moment along the way.
Thales Group Overview

83,000 employees worldwide
68 Countries Global Presence
21,000 intellectual property portfolio

Thales Markets

Aerospace
Transportation
Defence and Security
Digital Identity and Security
Space

Working with Thales

Together, we are shaping the world around us to build the future – here and now! Our experts’ competences and cultural backgrounds are unique in their diversity. Today, they develop solutions for the data-based, autonomous and immersive world of tomorrow – from autonomous vehicle control systems to collaborative combat systems, from interconnected cockpits to safe clouds and cyber-secure communication, from self-learning radar systems to virtual reality solutions for training and predictive maintenance.

Passion for innovations and cutting-edge technologies is our motivation. We understand the needs and interests of all people at Thales. The personal and professional development as well as the advancement of teams are very important to us and we invest a lot. We offer a wide portfolio of training opportunities. We honour accomplishments and provide an attractive compensation policy. An open dialogue and transparency are actively practised and demonstrated.

We actively promote diversity, create the necessary framework conditions and commit to a resolute support for all forms of diversity. We are convinced that mixed teams get the best results and that equal opportunities are a matter of course. For our exemplary dedication in terms of a personnel management based on equal opportunities we were given the Total E-Quality award. Special programmes promote diversity and inclusion as well as compatibility of family and career. We assist our employees with the balancing act between private life and the exciting challenges at Thales.

Key Digital Technologies

Artificial Intelligence
Cybersecurity
Connectivity
Big Data

Thales Deutschland
Thalesplatz 1
71254 Ditzingen
Tel: +49 (0) 7156 35 30
info.deutschland@thalesgroup.com
Ditzingen