

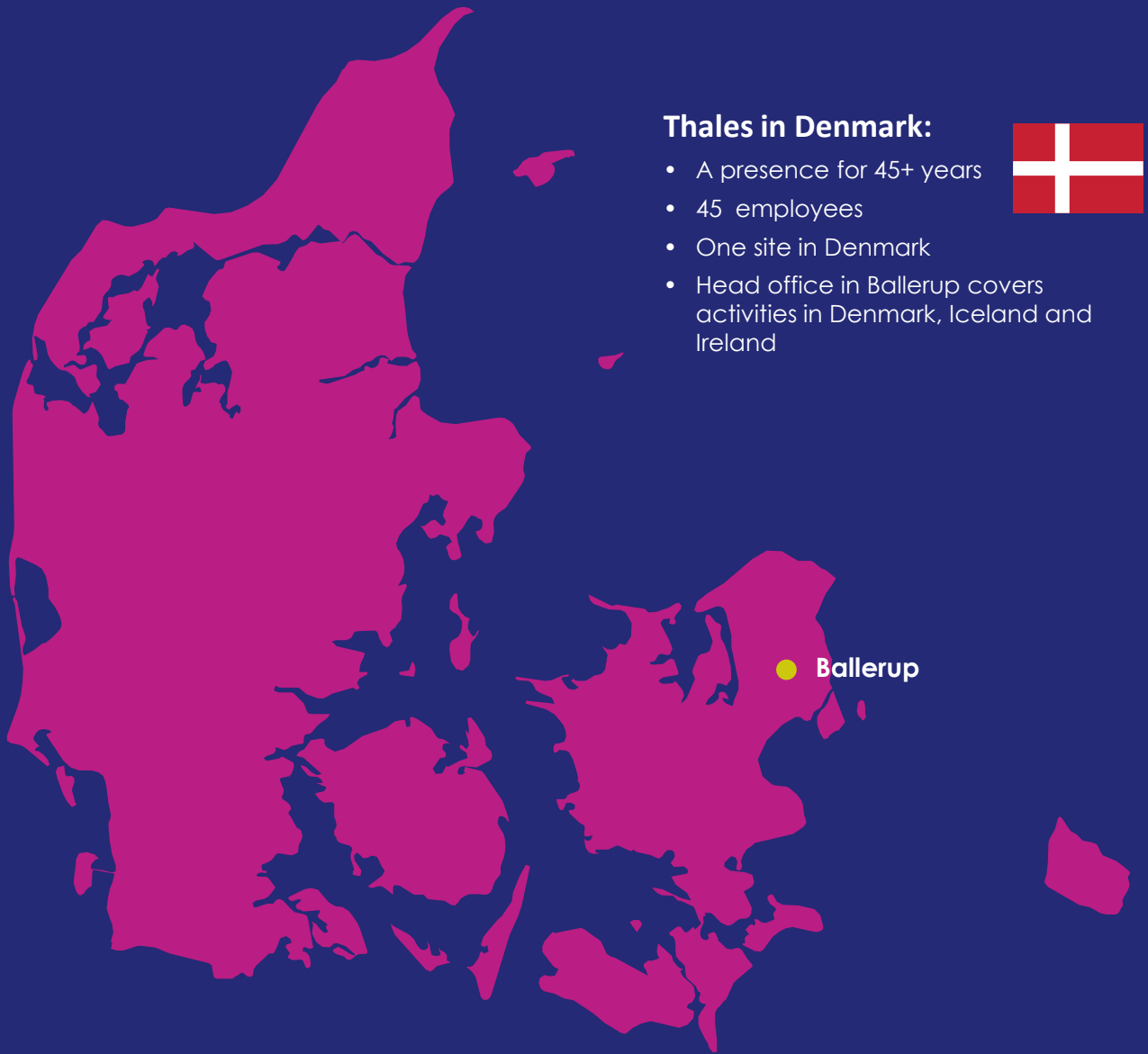
Thales in Denmark



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THALES
Building a future we can all trust



Thales in Denmark:

- A presence for 45+ years
- 45 employees
- One site in Denmark
- Head office in Ballerup covers activities in Denmark, Iceland and Ireland



Ballerup

Key Highlights:

Defence

- Thales has equipped the Royal Danish Navy with its main radars: APAR, SMART-L and SMART-S.
- Thales will equip the Royal Danish Air Force MH-60R Seahawk with FLASH dipping sonars.
- Thales is supplying the Royal Danish Navy with illuminating transmitters to function as a support when using the Navy's Evolved Sea Sparrow Missile (ESSM) self-defence missiles.
- Thales equips the Danish Army's armoured vehicle fleet with the internal communications and network system 'SOTAS'.

Aerospace

- Thales has delivered Air Traffic Management (ATM) systems to the Danish civil authority NAVIAR since 1973 and controls Danish airspace and airports.

Digital Identity & Security

- Thales is supplying around half the credit cards in the market.
- Thales is an experienced and trusted partner for resident permit cards and biometric readers.
- Thales provides a wide range of IoT solutions for the energy, transportation and logistics market.

Thales in Denmark

Thales has been involved in Danish projects since 1973, and established an office in country due to the significance of the Group's activities and market outlook in the Nordics.

In Denmark, Thales provides innovative solutions and advanced technologies in Defence, Air Traffic Management and Passports & Biometric solutions.

Today, Thales Denmark ApS employs 45 people at the Headquarter in Ballerup.



HMS Iver Huitfeldt with Thales APAR multifunction radar and Thales SMART-L volume search radar (credit – Thales Group)

Local cooperation

Thales' strategy is to boost its local presence by establishing local partnerships. In Denmark, Thales already has a significant number of collaborations with local subcontractors and partners and will, as new contracts arrive, continue to reach out to local expertise.

As Thales recognises the high quality of Danish research, it is a principal objective to recruit local employees and establish long-term cooperation with Danish universities and regional research centres. The markets we aim to address lie within aviation safety and defence & security technology.



HMS Absalon with the Thales SMART-S Mk2 surveillance radar
(credit – Thales Group)

Industry focus

Defence

In the naval domain, Thales has successfully been equipping the Royal Danish Navy with the main radars and long range communications on its five latest vessels, a class of frigates and flexible support ships. These radars and radios are key functional elements for the ships' operational capabilities and tasks.

In 2017, a contract was signed between Thales and the Danish Defence Acquisition and Logistics Organization regarding the acquisition of Continuous Wave Illuminators (CWI). The illuminating transmitters will function as a support when using the Navy's Evolved Sea Sparrow Missile (ESSM) self-defence missiles. Besides the acquisition of the illuminating radars, the contract also includes a service agreement ensuring that the systems will be maintained and kept in operation. The systems, have been delivered in 2019, and will be installed on the Navy's frigates and flexible support ships.

In 2019 the Danish MoD decided to upgrade their Seahawk MH-60R helicopter with dipping sonars for anti-submarine warfare through foreign military sales with the US government. The dipping sonar is manufactured by Thales under the name FLASH and Denmark will update seven helicopters expected to be delivered in 2024.



A US Navy MH-60R Seahawk with a Thales dipping sonar
(credit – LM)

In the land domain, Thales has equipped Danish Defence with the RAC 3D radar (Intermediate Range Air Defence Radar), multi-mode radar for the coordination of medium-range, short-range and very-short range air defence weapon systems. It provides a three dimensional air picture up to 100 km. The RAC 3D detects and classifies modern threats, including medium to very low-altitude hovering helicopters.

Moreover, Thales equips the Danish Army's armoured vehicle fleet with the internal communications and network system called SOTAS. Thales has been a long-lasting supplier for this system and is assisting locally the army in the maintenance and further development of this capability.



Credit: Thales

In 2023 the Danish Ministry of Defence Acquisition and Logistics Organisation (DALO) signed an agreement with the Netherlands COMMIT Defence Procurement Agency (Commando Materieel en IT) for the acquisition of five Thales Ground Master 200 Multi-Mission Compact radars (GM200 MM/C) to support the Danish Air Force high prioritized air surveillance task over Denmark.



Credit – Thales Group

Aerospace

Since 1973, Thales has delivered Air Traffic Management (ATM) systems to Denmark in cooperation with NAVIAIR (the Air Navigation Service provider in Denmark). NAVIAIR is a state enterprise under the Ministry of Transport & Energy and controls 158,000 square kilometres of airspace.

Thales has over fifty years of experience in designing and implementing radars and ATM systems and provides a complete multisensory surveillance solution. In Denmark, Thales has installed an ATM system (COOPANS – TopSky ATC and radars) that controls Danish airspace and the airports of Copenhagen, Billund and Roskilde.

Denmark, Sweden, Ireland, Austria, Croatia and Portugal are working together by using the COOPANS system, ensuring harmonisation through a joint product roadmap.

This system benefits from the most advanced capabilities to ensure a safe and efficient operation in high traffic densities and complex airspace structures.

In 2022, Thales Denmark and Atlantic Airways entered into an agreement on Thales Reality H Level D Full Flight Simulator, which is one of the world's most advanced helicopter simulators for training Atlantic Airways helicopter pilots worldwide.

Digital & Identity Services

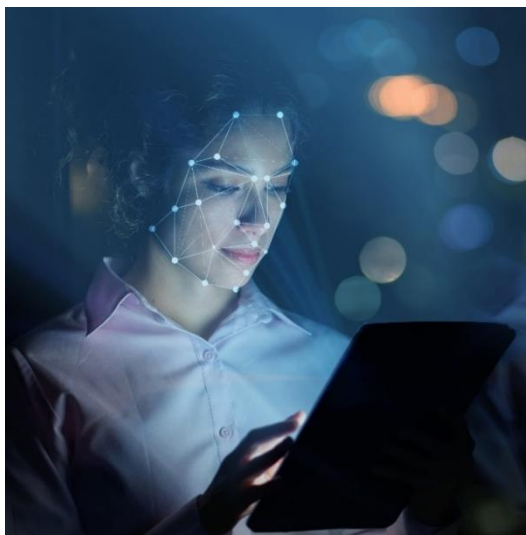
Thales is a world leader in digital security, where trust has been brought to the global economy and digital exchanges are being secured for billions of people and things. April 2nd 2019, Gemalto was acquired by Thales providing Digital & Identity Services in the majority of the countries in the world.

Identity & Biometric Solutions

Thales is a trusted partner in digital & identity services to the Danish Police and National Authorities, and has since 2004 provided VISA stickers, Tachograph cards, Resident Permit cards and Document & Biometric Readers in Denmark. Furthermore, Thales supplies and personalizes the nationwide travel card called Rejsekort.

Interoperability is the key for all our products therefore the international standards and regulations are always strictly followed. Thales is a founding and active member of around 80 standardization groups, public and industrial ones such as JavaCard Forum, Global Chip Alliance, Liberty Alliance, Smart Payment Forum etc. Thales actively contributes in the definition of technical specifications and interoperability of identity and travel documents such as ICAO, ISO CEN, AFNOR, etc. as well as participates in all interoperability tests including ePassports (BIG, IAS, etc.). This ensures that our products are closely following the latest enhancements and adaptation to new and emerging standards.

The local site in Ballerup is audited by the Danish National Police and Secret Service as well certified by Visa and MasterCard. Thales is known for a reliable and secure service and the use of the local site ensures an efficient workflow, both in terms of data transfer and document delivery. A traceability mechanism is in place to ensure end-to-end security, from application by customer to issuing of document. Security is our state of mind.



Credit – iStock

Banking & Payment Services

Furthermore, Thales offers services for financial institutions in the Banking & Payment Services (BPS) unit. The world of financial services is changing fast and consumers look for evermore personalised, convenient and secure ways to pay, communicate and interact with their banks and accounts. Today we provide the Danish banking sector with a wide range of secure digital banking, cards and digital payment solutions meeting and exceeding these demands.

Our onboarding / KYC (know your customer), access / SCA (strong customer authentication) and risk management services have been used for many years in the Nordics, and combined they are the ideal way to secure and enhance the entire customer journey for digital banking. Available both as on-premises and cloud platform, supporting either mobile authentication or hardware devices. In close partnership with leading Danish banks, we also drive the change in lifestyle payment products, including world-leading mobile, biometric, metal, eco-friendly and wearable contactless products and associated services. In Denmark we supply around half of the banking cards in the market.

In 2022, Thales produced the new sustainable Polylactic Acid (PLA) cards for Sparekassen Denmark. Made of non-edible corn starch, the material replaces 84% of the plastic in the card and is a bio-sourced substitute for the normal PVC-plastic in the payment cards. This considerably reduces the carbon footprint.

To rebalance the entire carbon footprint, the bank has furthermore invested in a carbon offset programme through Thales Gemalto Carbon Offset Programme. It calculates, monitors and compensates for the CO2 emissions of the issued cards via various green projects.

Internet of Things

By 2025, 75 billion IoT devices will be connected with a potential market value of around \$1.6 trillion. IoT devices and services offer unprecedented possibilities, business opportunities, and challenges.

To support its clients, Thales delivers innovative IoT technology that simplifies and speeds enterprise digital transformation. In Denmark, Thales also provides a wide range of market leading IoT solutions perfectly adapted for the Danish market context such as Smart Metering solutions for utilities and grid managers within the energy market. Within Asset Tracking, IoT is also driving the evolution. Whether devices monitor vehicle fleets, locate containers, trace stole goods, or detect changes to environment. Thales IoT asset tracking provides the tools to improve efficiency in a wide range of industries, providing our Danish customers' devices with the exact data they need.

Cloud Protection & Licencing

Today's enterprises depend on the cloud, data and software in order to make decisive decisions. That's why the most respected brands and largest organizations in the world rely on Thales to help them protect and secure access to their most sensitive information and software wherever it is created, shared or stored – from the cloud and data centers to devices and across networks. Thales' solutions enable organizations to move to the cloud securely, achieve compliance with confidence, and create more value from their software in devices and services used by millions of consumers every day.

Thales is the worldwide leader in data protection, providing everything an organization needs to protect and manage its data, identities and intellectual property – through encryption, advanced key management, tokenization, and authentication and access management. Whether it's securing the cloud, digital payments, blockchain or the Internet of Things, security professionals around the globe rely on Thales to confidently accelerate their organization's digital transformation.

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