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.

Transportation
- Thales has delivered the Danish Travelcard system and is charge of its operation and maintenance for the next 5 years.
- In 2012, Thales signed a contract for designing and building a new ETCS level 2 signalling system in Jutland, Denmark.
- Danish Railways (DSB) has since 2012 been running with the Cubris Driver Advisory System solution GreenSpeed

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:
- A presence for 45+ years
- Over 200 employees
- Two Thales sites in Denmark
- Head office in Ballerup covers activities in Denmark, Norway, Sweden, Finland, Estonia, Latvia, Lithuania, Iceland and Ireland
Thales in Denmark – Factsheet

Thales has been involved in Danish projects since 1973, and established the Nordic & Baltic regional office in the country due to the significance of the Group’s activities and market outlook.

In Denmark, Thales provides innovative solutions and advanced technologies in Defence, Ground Transportation, Air Traffic Management, Passports & Biometric solutions. Today, Thales Denmark employs more than 200 people and functions as the hub for nine countries in Nordic & Baltic countries.
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 transportation, aviation safety and defence & security technology. A recent example is the acquisition of Cubris, which is a Danish company specialised in developing support systems to optimise train driving and operation, leading to substantial energy savings.

The Nordic and Baltic cooperation with the Group will also bring high levels of modernisation, increasing capabilities for both parties.

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 made 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 (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, has been delivered as of 2019, 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 2023.

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.

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

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 and Croatia 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.

Transportation

In Denmark, Thales boasts a number of significant achievements in Ground Transportation. Two of the most well-known projects include the modernisation of Danish mainline signalling and the ‘Travel Card’ ticketing system. Thales has delivered the Danish Travelcard system and is charge of its operation and maintenance for the next 5 years. In 2012, Thales signed a contract for designing and building a new ETCS level 2 signalling system in Jutland, Denmark.

In 2012, Banedanmark, the Danish rail infrastructure authority, awarded a consortium composed of Thales and Strukton Rail with a contract to upgrade the signalling system in Jutland. Located in the Western part of Denmark, the project modernised approximately 1,200 kilometres of the Danish railway network (60%) with the new European ETCS level 2 system. Since then, Thales in Denmark has been working on the design and structure of the system in close cooperation with Strukton Rail. The first line was put in operation October 2018, the second line in April 2020, and the third line put into operation in April 2021.

Thales has delivered the Nationwide Danish Travelcard system and is in charge of its operation and maintenance. The complete system delivered by Thales is now handling an average of 1 million transactions per day and well over 100 million journeys per year. At the end of 2019, there were approximately 3 million active travel cards.

In 2018 Thales acquired the Danish tech startup company, Cubris, focused on sustainable, intelligent systems and total solutions for the railway business. Always being flexible and open, the main goal is to reduce the overall environmental impact whilst improving the general effectiveness of the railway itself. Cubris’ core product, GreenSpeed, is a driver advisory system for trains, that reduces energy consumption and improves punctuality.

In Denmark the Danish Railways (DSB) has been running with GreenSpeed DAS since 2012. DSB has benefitted from the added value that GreenSpeed brings to improved timetable planning and enhanced customer experience resulting in much better punctuality and overall customer satisfaction.
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 personalises 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 standardisation 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.

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.

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 stolen 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

Thales is also well known for providing advanced data protection as well as identity and access management solutions both for government organizations and large enterprises. In Denmark, several qualified Thales Partners are able to provide consultancy and system integration services leveraging our security portfolio. Some Danish Managed Service Providers offer “Security As A Service” powered by our comprehensive portfolio to enable customers to consume our solutions based on a monthly fee. We provide robust solutions for both on premise and cloud deployments, encryption for data at rest, data in motion across networks plus identity and access controls which have become more complex due to the new ways of working.