

INVEST IN

NORTH DENMARK'S

LOGISTICS CENTRE



INVEST IN

AALBORG

Aalborg enjoys a uniquely attractive geographical location and has all the makings of the perfect place to do business: the airport, the port, large industrial areas and a strong foundation of companies specialised in various aspects of logistics – from software and supply chain management to transport by land, air or sea.

Globalisation, increased competition and growing expectations for customisation of services are some of the factors that are making logistics increasingly complex and difficult to manage for companies around the world. Another is the ever present need to adjust processes and to adapt to the constant changes that companies are subject to today. Logistics processes are costly, and when they are not functioning optimally, they pose a threat to a company's competitiveness.

These are some of the reasons why research and education institutions as well as companies in North Denmark have had much success developing innovative solutions for logistics purposes. Other reasons for the strong North Danish position in the field are location, infrastructure and a celebrated tradition for cooperation across the private and public sectors.

Location, Location, Location

With its close proximity to Norway, Germany, the UK and Greenland, Aalborg functions as a logistics centre for North Denmark. From here, it is easy to transport any type of cargo, even extraordinarily large items such as wind turbine parts. With rail, road and sea connections for cargo and direct flights to a large number of international destinations for passenger transport, it makes good sense to place production or stock units in Aalborg.

The Port of Aalborg is placed away from the city centre, allowing for many kinds of production and business activities to take place without disturbing the city's aesthetics or flow of traffic. With excellent motorway connections, there is easy access from Aalborg to Germany, and from there, to the rest of Europe.

Denmark's most Intelligent Port

The Port of Aalborg works constantly to improve logistics processes and solutions in close cooperation with partners such as Aalborg University and private companies in the area. The port provides many types of facility services and can handle virtually any kind of consignment. Most importantly, the Port of Aalborg is part of different projects aiming to simplify different logistics processes and to shift more transport from land to sea, reducing the carbon footprint and relieving traffic congestion.

Leading in Research

An important driver for innovation and development is Aalborg University, in many ways an important factor in the city's reputation as a strong environment for research and education in the field of logistics. Nationally, Aalborg University (AAU) is considered to have one of the best research environments for logistics and related fields.

This is not least thanks to CELOG, the Centre for Logistics, which is a research and knowledge centre at AAU, which cooperates closely with private companies, ensuring a very demand-driven and hands-on approach to research.

INVEST IN

OPTIMUM

LOCATION OPTIONS

The North Danish business environment is characterised by:

- › Unique synergies between industry and research
- › World-leading technologies
- › Focus on networking and collaborations to spark innovation
- › Entrepreneurship

Cooperation is Key to Innovation

There is a strong networking tradition between the university, the local authorities and the North Danish logistics industry. This tradition is carried on and developed by SmartLog, a cluster organisation that facilitates cooperation and nurtures joint innovations between different members of the business community.

SmartLog was founded in 2012 and works to make smarter and more intelligent logistics solutions accessible to its members – companies for whom logistics play an important role. Through membership with SmartLog, companies gain access to the newest knowledge and a high-profile network of experts in the field of logistics. Members come from industries such as production, storage, shipping, software, research and education.

Learn more about SmartLog

A Head Start in Technology

On a global scale, logistics in general are becoming increasingly complex. But North Danish researchers and companies have a head start in this field, thanks to a very successful information and communication technology (ICT) cluster.

This dynamic and innovative cluster has grown from a historical regional foothold in the ICT industry, which stems from a unique research community based around Aalborg University and a series of large, international corporations with R&D departments in Aalborg. Historically, many of these companies operated within the fields of mobile and wireless technologies, earning the area the nickname 'Mobile Valley'.

In short, whether your business is innovation, production, consultancy services or any other part of the value chain, you are likely to find suitable suppliers, partners and employees in Aalborg. This is just one of the reasons why Aalborg's innovative research and business environment could well be the perfect choice for your next investment or establishment of new activities.

The recipe for success

- › World-class research and education
- › Political support and public investments
- › Innovative, local companies

A HIGHLY EDUCATED

WORKFORCE

The North Danish workforce is characterised by its high level of education, by its flexibility, its mobility and its willingness to adapt. Dedication and reliability are words often used to describe the workforce in Aalborg, who not only come from the immediate area, but also consists of commuters from neighbouring towns and municipalities. In most national studies, North Danish workers are proven to have less sick absence than fellow Danes.

The demographic development in Aalborg differs in comparison with other Danish towns and cities in that the population is growing fast, not least thanks to a large number of new students enrolling each year at Aalborg University, at the University College of Northern Denmark or at one of the many business schools and technical colleges in the area.

As regards education in logistics specifically, there are several options in Aalborg:

- › **UCN (University College of Northern Denmark)** offers an academy profession programme in International Transport and Logistics.
- › **AMU Nordjylland** offers a broad range of programmes in transport and logistics, covering goods transportation, warehouse logistics and passenger transport.
- › **CELOG (Center for Logistics) at Aalborg University** offers two study programmes in logistics, namely Industrial Management and Global Business Engineering.

WORLD CLASS RESEARCH

AT AALBORG UNIVERSITY

According to a survey performed by the Confederation of Danish Industry, Aalborg University is the best in the country at cooperating with private companies. 44 % of all dissertations at Aalborg University are completed in cooperation with a private company.

According to a report conducted by the Danish Ministry of Higher Education and Science, AAU is the Danish research institution that has produced the second largest number of new inventions in 2016, namely 90, and the largest number of sales and option contracts, namely 77. AAU is the Danish research institution with the most partnerships and research collaborations and the one that registers the largest number of new patents.

At the same time, the university as a research institution does very well in international rankings. For example, Aalborg University achieves a five-star ranking by the QS World University Rankings, putting it on a par with Harvard, Oxford, Cambridge and Stanford.

CELOG - Centre for Logistics

CELOG is a research and knowledge centre under the Department of Mechanical and Manufacturing Engineering at Aalborg University. The centre is among the leading in the country and carries out research and provides education of a very high standard - focusing on tools and methods for analysis, planning, optimisation and integration.

There is a strong focus at Aalborg University, and at CELOG in particular, on developing innovations that are in demand by specific companies or by the business community in general.

Close to all research projects at CELOG are carried out in cooperation with private companies and organisations and aim to develop concrete systems and tools that will help simplify logistics processes, improve services, contribute to more sustainable utilisation of resources or in other ways contribute directly to the double bottom line.

CELOG specialises in a range of areas related to logistics, some of the most important being:

- › **Supply chain management**
- › **Planning and scheduling**
- › **Operations management**
- › **Green supply chains and logistics**
- › **Value chain diagnostics**

Aalborg is home to some of the world's leading academic experts, specialists and private companies. Our most important core areas include:

- › **Supply chain management**
- › **Digitalisation processes and software development**
- › **Hospital logistics**
- › **Robots**
- › **Control systems**
- › **Production and automation**
- › **Warehouse logistics and management**
- › **Retail logistics**
- › **Waste management**
- › **Distribution, transport, cargo and freight**
- › **Intelligent traffic systems**
- › **E-commerce**
- › **Track and trace systems**

SIGNIFICANT COMPANIES

WITHIN LOGISTICS

Logistics and supply chain management companies in the Aalborg area include:

Lyngsoe Systems

Lyngsoe Systems is a world leader in logistics solutions across the customer supply chain, offering real-time transparency, traceability and data capture to increase customer revenue, reduce OPEX and ensure quality. The company is specialised in postal, airport, manufacturing, healthcare and shipping logistics.

Intelligent Systems

Intelligent Systems are experts in software development for automated logistics solutions, e.g. for baggage handling in airports, fully automated warehouse- and distribution centres and automated logistics for hospitals with the help of user interfaces, robot technology, sensors and actuators, network and IT systems.

BILA

BILA provides production optimisation by means of automation solutions, primarily industrial robots. BILA is Scandinavian distributor of Kawasaki robots. The company provides

consultancy services and designs, develops and implements robotic facilities. BILA has approximately 170 employees stationed at four different Danish locations and one in Sweden.

Logimatic

Logimatic develops and implements software and automation solutions and customised IT systems. Areas of specialisation include warehouse and logistics management and automation, and among the company's products are a fleet management solution for shipping companies, a software solution for warehouse, automation and production logistics and customised automation solutions.

Gatehouse

Gatehouse provides a tracking service platform that unifies freight telematics/ELD/GPS data throughout the logistics supply chain, allowing an overview of all aspects of inbound and outbound logistics including real-time automated alerts and notifications for ETA delays, route deviations, cargo temperature fluctuations etc.

5 REASONS TO

INVEST IN AALBORG

You have **the world at your doorstep** in Aalborg, which is situated in North Denmark and has direct flights to European capitals, a dynamic international port and an extensive network of road and rail connections.

North Denmark is a **dynamic, thriving and business-focused region**. Aalborg is characterised by a multitude of SMEs with close ties to global markets. In particular, the city has strong industries within IT and Future Tech, sustainable energy, medical and welfare technology, transport and intelligent logistics.

With its **212,000 citizens**, Aalborg ranks as the third largest municipality in Denmark. The city is constantly growing and has a relatively young population not least thanks to its renowned educational institutions. The city has a well-educated population and is home to Aalborg University with its more than 23,000 students.

The total **workforce amounts to 270,000 people** within commuting distance. North Danes are characterised by their dedication, flexibility and high-level qualifications.

There are about **11,000 international employees** in Aalborg, and 4,500 international students. At present, more than 26 % of all employees in the private sector work in a company with foreign owners. Aalborg's diverse talent pool is constantly expanding and providing greater multilingual capabilities as well as new global opportunities.

www.investinaalborg.dk

About Invest in Aalborg

Invest in Aalborg is a partnership between the Port of Aalborg, NOVI Science Park, Aalborg University and the City of Aalborg. It is the partnership in an increasingly globalised city that will ensure you a single point of contact and easy access to prime locations, world-class research, local business know-how and the local authorities.

Let us help you build your business case. Our services are driven entirely by your needs and are independent and free of charge.

Contact us

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