



BREMEN THE SKY IS NOT THE LIMIT



Bremeninvest



Contents

Bremen: the most dynamic region in Europe	4
Bremen: a place to live and love	5
Bremen: reached in no time	6
Bremen: well networked	7
The North is taking off	8
Aerospace in Bremen: on ground	10
Aerospace in Bremen: on air	11
Aerospace in Bremen: facts and figures	12
Competence in space technology	14
Competence in aviation	15
Where experts are born	16
Science and research	18
Area of Innovation: Bremen Technology Park	20
In the very midst: Airport City Bremen	21
EcoMaT – a centre for the future	22
EcoMaT – the partners	23
A strong network spanning the globe	24
Partners worldwide	25
WFB Wirtschaftsförderung Bremen and BAB Bremer Aufbaubank	26
Publisher's notes	27

Bremen: the most dynamic region in Europe

Two cities, one state: the Free Hanseatic City of Bremen and the seaport of Bremerhaven, 60 km (37 miles) downstream, together form the State of Bremen, with a population of 660,000.

It is the economic centre of a region with 2 million inhabitants; powerful, energetic and competent. Take technology, for example – Bremen is home to internationally renowned companies and institutes. It is also Germany's seventh biggest industrial city, and has an unparalleled concentration of academic facilities.

**Bremen: in the middle of Europe,
with links to the whole world.**





Bremen: a place to live and love

As early as the 11th century, merchant ships from Bremen used to set sail for major overseas ports. They established the reputation of a cosmopolitan Hanseatic city that today combines traditions with innovation.

The city boasts short pathways and a high quality of life and living. One minute one can be standing on the marketplace in the city centre, a quarter of an hour later in the idyllic Bürgerpark – recreation on the doorstep, so to speak, be it on foot or by bike. Cycling, especially, is a very popular and practical way of getting around – for example to the many museums and theatres that the city has to offer.



Bremen: reached in no time

Just ten minutes away from the city centre – Bremen Airport is not only reached in a jiffy, but also has direct links to the key European air hubs. More than 50 non-stop destinations connect the Hanseatic city to more than 20 countries.

Speed and efficiency are characteristic for the ports as well. Bremerhaven, Europe's fourth largest container port, is an important automotive logistics hub and, like the harbours in the city of Bremen itself, provides excellent transport links.

In short, perfect conditions for logistics, transport and shipment are offered.





Bremen: well networked

Trains travel daily from Bremen to the main centres of the German economy: e. g. the Ruhr area, the Rhine-Main region and Munich. Rail transport accounts for around 50 % of hinterland traffic to and from the Bremen ports. The figure for long-distance container transport is even higher – about two thirds.

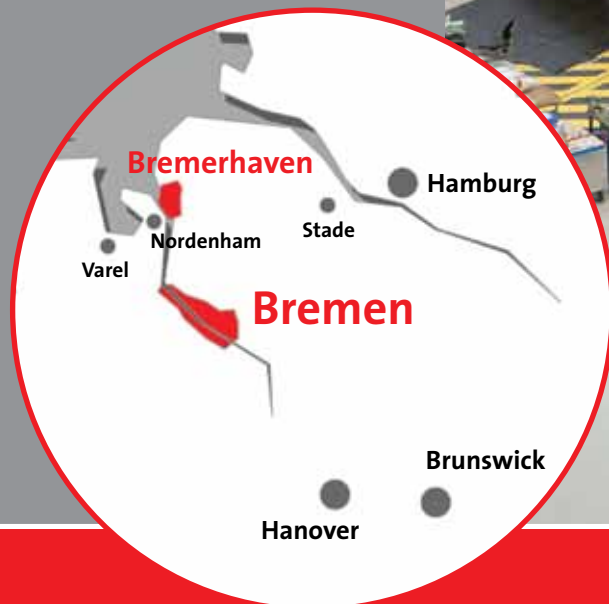
Being well networked is also true for the motorways. The Bremen motorway junction joins the A1 and the A27 (Hanover/Cuxhaven), and is also where the ‘Bremer Kreuz’ industrial estate is located. The logistics centres along the A1 (the ‘Hansalinie’ industrial estate) and the A281 (Airport City) likewise have their own direct access.



The North is taking off

They build aircraft and satellites, and are as familiar with Airbus wings as they are with Ariane's rocket propulsion and OHB's satellite systems – more than 60,000 people in northern Germany, many of them university graduates, are currently employed by the aerospace industry.

The region has become a centre for the civil aviation industry, with Airbus and Premium Aerotec production plants. This entails a high level of technology transfer between the research community and industry throughout the north of Germany, which is integrated through the aerospace industry into a global value chain.





Aerospace in Bremen: on ground

A 100-year success story

It all began back in 1909 with the first attempts at manned flight by Focke and the founders of the Bremen Aviation Association. City Airport Bremen, established in 1919, grew out of those early days and has since developed into an airport with many international destinations.

Since 1956, Lufthansa has trained its future pilots at its Flight Training Center at the airport. The Bremen air traffic control centre, which monitors the north German airspace from the Netherlands to Poland, is just around the corner.





Aerospace in Bremen: on air

From infancy to today

The foundation stone for Bremen's successful aviation industry – the Airbus plant and its current workforce of more than 3,000 – was laid in the 1920s, with the FW A16 aircraft developed by Focke and Wulf.

However, the Bremen aircraft builders wanted to reach higher in the sky. Airbus DS, founded as ERNO ('Entwicklungsring Nord') in 1961, is the basis for the city's reputation as the 'Silicon Valley' of the German space industry. OHB, the major German-based space company and the ZARM drop tower research centre are two other lynchpins.

Facts and figures

They count among the 'heavyweights' of the Bremen economy – the aerospace industry with its more than 140 companies and around 20 research institutes. Their combined annual revenue is approx. 2 billion Euro. About 2,000 of the total workforce of around 12,000 work in the space industry.

They all contribute to Bremen's advancement to a position as the industry's 'think tank'. Fields of expertise include engineering, system integration, materials and processes for global value chains.





AES 
Aircraft Elektro/Elektronik
System GmbH

 **AEROTEC**
PREMIUM

 **AIRBUS**
DEFENCE & SPACE

 **AIRBUS**

 **E.I.S. ELECTRONICS GMBH**
Aviation & Space Technology

 **FTI**
technologies gmbh

 **OHB**

 **ThyssenKrupp**

p3 | VOITH
aerospace

Competence in space technology

Bremen in space. The ISS International Space Station: the European contribution to the project, the 'Columbus' space laboratory, was designed and developed here by the River Weser. As was the ATV transporter for supplying the astronauts with their needs. This is where the upper stages of the Ariane rocket as well as the Galileo satellites are also built, and where robotics systems for in-orbit applications are designed.

Bremen's competence in space technology also includes research under microgravity conditions, like in outer space. Or exploration and robotics, the development of satellites and on-orbit systems and space transportation vehicles.





Competence in aviation

Bremen lends wings, literally speaking. The Weserside city is home to the 'High-Lift Centre Germany' established here by Airbus and therefore a centre of know-how in fields ranging from structural and systems design, flight physics and test facilities to landing flap production and wing equipping. No Airbus can fly without Bremen's involvement!

Other key areas of activity in Bremen's aviation industry include materials research and development as well as the development and procurement of the cargo loading systems for the entire Airbus fleet. Highlight: at BreTeCe (Bremen Technology Center), complex engineering systems can be tested Europe-wide on a real-time basis.



Where experts are born

Aerospace, one of tomorrow's industries, needs young talents. Bremen trains them – at the 'Excellence' University of Bremen, at the Bremen University of Applied Sciences, at the Technical Training Centre and at the private Jacobs University. Specialised degree courses, for example in 'Production Technology in the Aerospace Industry' or in 'Aeronautical Systems Engineering and Management', are proof. Euroavia, the European Association of Aerospace Students, helps to forge links with the industry.

Aerospace also happens in schools as well, for example in the form of the 'GymProLuR' profile for advanced level school students, or the DLR School Lab





Bremeninvest



Universität Bremen*

*EXZELLENT.



HOCHSCHULE BREMEN
UNIVERSITY OF APPLIED SCIENCES



JACOBS
UNIVERSITY

GYMPROLUR



Science and research

Bremen is a centre for science and research, where aspects of materials science are a key area of interest at many renowned research institutes and facilities. Attention is focused on the entire production chain, from forming to surface finishing for metals, ceramics and plastics. Another interdisciplinary field of activity in Bremen concerns space research and the uses of technology. The range extends from research under microgravity conditions, to satellite-based applications, robotics and exploration.





ALFRED-WEGENER-INSTITUT
HELMHOLTZ-ZENTRUM FÜR POLAR-
UND MEERESFORSCHUNG



BIBA - Bremer Institut für Produktion und Logistik GmbH



Deutsches
Forschungszentrum
für Künstliche
Intelligenz GmbH



Area of Innovation: Bremen Technology Park

In the Bremen Technology Park, the research and business communities work side by side. Right beside the 'Excellence' university, with its more than 3,000 staff and around 20,000 students, there are more than 500 high-tech enterprises with a total workforce of about 7,500, as well as 20 research institutes employing more than 1,600 people in all.

The mixture of industries is wide – Aerospace enterprises as well as companies and institutes in the fields of materials science, microsystem and production engineering, sensor technology and nanotechnology have located on a 170-hectare site close to the motorway.





In the very midst: Airport City Bremen

Higher education, research, commerce and services – all combined in Airport City beside Bremen Airport. Around 500 companies, well networked and with wide-ranging collaboration, have invested here, providing employment for about 16,000 people in all.

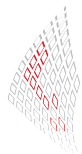
The Bremen University of Applied Sciences has a presence here, too, as have Airbus and Airbus Defence and Space with their state-of-the-art production facilities. Proximity to the city centre, good local public transport and direct motorway access add to the attractiveness of this new development.



EcoMaT – a centre for the future

Lightweight construction as a key technology for tomorrow's products – in the Center for Eco-Efficient Materials & Technologies (EcoMaT), industrial companies, medium-sized enterprises and research bodies are working together on cutting-edge technologies. A good 500 jobs are being created in the laboratories and offices of this 20,000 sqm (215,000 sq ft) research and technology centre. Completion is scheduled for 2016.

The key areas of interest for EcoMaT are surface technologies, new materials and ways of building, quality control and processes, certification of materials, as well as skilling and training.



EcoMaT
Center for Eco-efficient
Materials and Technologies





EcoMaT – the partners

In the new research centre, more than 15 partners from industry, medium-sized enterprises and the research community will conduct research and develop products under the ‘EcoMaT’ umbrella.

The main partners in EcoMaT will be Airbus and the Bremen Fibre Institute, as well as the DLR, TESTIA, the Fraunhofer Institute for Production Engineering and Applied Materials Research, and Airbus Defence and Space.

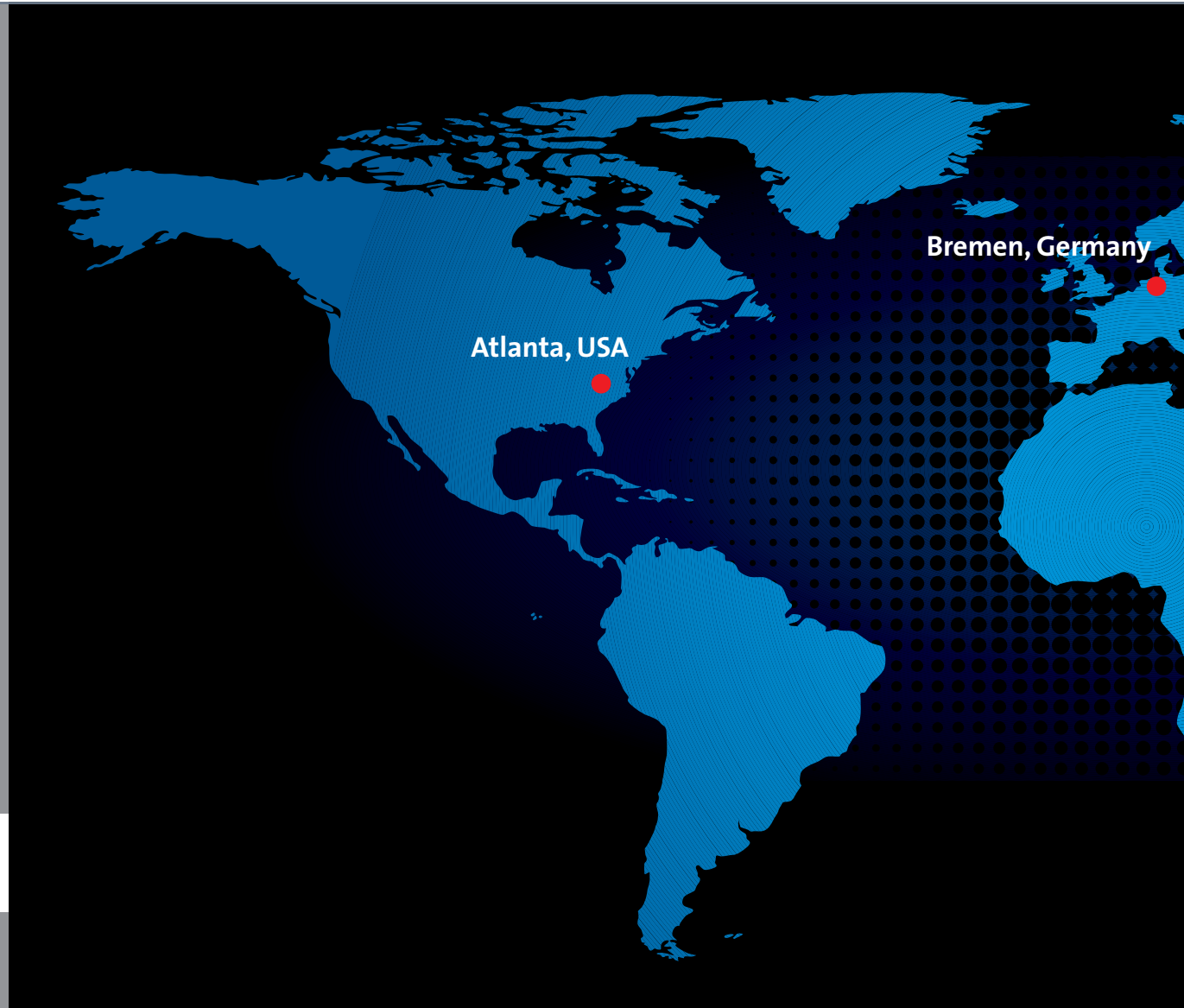


A strong network spanning the globe

Their common aim: expanding the aerospace industry. To achieve that aim, more than 50 companies and research facilities in Bremen and the region have joined forces in a network called Aviabelt Bremen e.V.

In a combined effort, they are working to optimise locational conditions and to forge new partnerships. The whole idea is fuelled by the knowledge that networking industry with the research community at regional and international level engenders a wealth of opportunities.

AVIABELT | **BREMEN**
N 53.07 E 8.78





Partners worldwide

Bremen is highly integrated through its membership of national and European organisations for aviation and space travel. This network includes:

- The Community of Ariane Cities (CVA)
- NEREUS – the Network of European Regions Using Space Technologies
- EACP – the European Aerospace Cluster Partnership
- The Regional Forum of the German Aerospace Industries Association (BDLI)
- The International Astronautical Federation (IAF)

The State of Bremen and Bremeninvest also operate offices in Berlin, Brussels, Atlanta, Shanghai and Izmir.



Izmir, Turkey

Shanghai, China



Bremen invest

We'll give you a boost

Bremen invest's offices are a one-stop resource for entrepreneurs, investors, and institutions expanding into Europe, especially Germany.

Bremen invest helps foreign companies to accurately plan and implement a business development strategy including a physical presence in Germany.

Bremen invest offers continuous support before, during and after the expansion process. International and entrepreneurial support has been Bremen's success story for centuries. Competent, reliable, honest is the way Bremen invest will work for you.

www.bremen-invest.com



Bremen invest

Service, Tips, Practical Help

Expand in Bremen – Our Bremen invest experts will show you why and how. They have the most up-to-date market research on economic structure, existing industry clusters, and networks in the city.

Upon request, they organize a comprehensive visit and information program, even providing information on required visas, international business law and taxes.

Should your project need financing, Bremen's Aufbau-Bank offers comprehensive support. And Bremen invest has facilities to offer in both industrial and office locations.





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This portrait does not claim to be complete, but is meant to reflect the diversity of the aerospace industry in the State of Bremen.



**HOME OF
INNOVATION**



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