



## Aerospace in the Amsterdam Metropolitan Area

### Amsterdam Metropolitan Area: Your preferred aerospace hub

- Largest aerospace cluster in the Netherlands
  - Maintenance, Repair and Overhaul (wide bodies, narrow bodies, regional and business aircrafts)
  - Spare parts and logistics
  - Training & Simulation
  - European Headquarters and Marketing & Sales Offices
  - Specialized financial services (leasing)
- Companies such as Boeing, Aviall, Embraer, Bell Helicopter, GE Aviation, Mitsubishi Aircraft and CAE have set up shop
- Amsterdam Airport Schiphol: best connected airport in Europe
  - Home to over 3.000 international companies
  - Connected to 322 destinations in 95 countries
  - 3rd busiest European airport i.t.o. cargo passengers
  - 3rd busiest European airport i.t.o. passengers
- Development of Amsterdam Lelystad Airport (leisure, regional business aviation and MRO)

### Our services for aerospace companies

- **Location advice:** assistance in selection of business locations
- **Market Intelligence:** providing data on logistics and aerospace
- **Investment climate:** providing information on the Dutch tax climate, incentives and labour market.
- **Fact-finding visits:** tailor-made fact-finding programmes for information, including fiscal climate, talent, business climate, quality of service providers and availability of business locations.
- **Talent:** tapping into the labour market via introductions to recruiters, networks and communities of professionals.
- **Business networks:** introductions to strategic partners, associations, knowledge institutions, tax authorities, governmental agencies.

Amsterdam Airport Area (AAA) facilitates international companies to locate in the Amsterdam Metropolitan Area.  
*The services of AAA are free of charge.*

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## Aerospace in East Netherlands

### Where Science and Aviation come together

- Strong position in the production of advanced materials.
- Scientific research in light-weight construction and maintenance:
  - Thermoplastic Composites Research Center (TPRC) has a leading position in research in thermoplastic composites.
  - Companies such as Boeing, Fokker, and Ten Cate actively participate in research projects.
  - The Fraunhofer Project Center at the University of Twente is a joint effort of the University of Twente, Saxion University of Applied Sciences, and the Fraunhofer Institute.
- Technology Base Twente offers excellent facilities, such as a three kilometer-long runway at this former military airbase.
- Companies such as Siemens and Thales, as well as smaller companies such as Aeronomic, Aniform, Clear Flight Solutions, Dutch-shape, PM-Aerotec, Polyworx, Pontis Engineering, and Reden are based in East Netherlands.
- Space53 is the location for the safe development, testing and training of unmanned systems on land air and/or water.
- East Netherlands lies on the strategic Amsterdam-Berlin transport link, close to the German Ruhr industry region and the Bremen/Hamburg/Hannover shipping hub.

### Oost NV offers companies:

- **Location Advice:** We will find the optimal business location for you and advise you on business expansion.
- **Fact-Finding Trips:** We recommend; you decide. Oost NV will arrange the planning, and the meetings, and will organize your own personal Fact-Finding Trip.
- **Matchmaking:** Technology Matchmaking is a service provided by Oost NV aimed towards assisting international companies in finding European business and research partners.
- **Information Kit:** Based on your specific needs the Oost NV team will prepare a dedicated bidbook.
- **Investment Climate:** As a partner of the Dutch and EU governments, Oost NV is a qualified intermediary in helping you access EU, national or regional funding.
- **Soft Landing:** Through Oost NV, international companies gain access to our regional networks as well as assistance with trade promotion.

*The services of Oost NV are free of charge or further obligation.*

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# The Netherlands European hotspot for growth in Aviation

The Netherlands has almost 100 years of experience building airplanes. Fokker, TNO, NLR, DSM, Royal ten Cate, Damen, TU Delft and Airborne are well-known Dutch companies and organizations. Dutch companies and knowledge institutes in the high-tech systems and materials (HTSM) sector are renowned for their technological excellence and are leaders in their market segments. The Netherlands' centuries-old tradition of creativity, pragmatism, entrepreneurship, openness and collaboration is the perfect breeding ground for the HTSM sector. These qualities make the Netherlands the perfect place to find solutions to the challenges society is facing today in the areas of health and wellness, security, renewable energy, mobility and the climate (water, environment, climate change mitigation and climate adaptation). The Dutch high-tech systems and materials sector offers pragmatic solutions for technological challenges. Solutions that, due to the complexity of the challenges, are primarily found by cross-overs in technology and collaboration.

The Netherlands is recognized around the world for its products, knowledge and concepts. Its high-tech systems and materials sector has high-end job opportunities for foreign knowledge workers (golden heads), skilled workers/know how (golden hands) and educators. It also offers a centre of excellence for research and development in the area of technology and innovation, and promotes collaboration and technology partnerships. The Netherlands offers excellent business conditions for domestic and foreign technology companies alike, and is an attractive place to live and work for aeronautics entrepreneurs, researchers and students.

### Aerospace in West Holland World Class Hotspots

- Delft:** TU Delft Faculty of Aerospace Engineering
- Papendrecht:** Fokker Technologies by GKN
- The Hague:** High Tech Materials Cluster Ypenburg
- Leiden:** Airbus Defense & Space, Institute of Air Law
- Noordwijk:** Space Business Park (ESA, ESTEC, SBIC)

## Aerospace in West Holland

InnovationQuarter is the regional development agency for West Holland. InnovationQuarter finances innovative and fast-growing companies, assists foreign companies in establishing their businesses in West Holland, and organizes collaboration between innovative entrepreneurs, knowledge institutes and government. Our services are confidential and free of charge.

West Holland is home to many first, second and third tier suppliers, including the country's largest aero structures manufacturer Fokker Technologies, a division of GKN Aerospace. With over 3,000 students, the area contains Europe's highest concentration of new, creative and entrepreneurial aerospace engineering talent. The region is world-renowned for its' expertise on aero structures, new materials & composites, flight performance & propulsion and aerodynamics. The entire ecosystem is dynamic & highly interactive, extremely innovative and open for international collaboration.

The presence of shared facilities, testing grounds and start-up incubators makes West Holland the perfect hotspot to get your business off the ground!

### The Aerospace Ecosystem in West Holland consists of:

- **Ypenburg:** HighTech Materials Cluster
- **Valkenburg:** Unmanned & Autonomous Aerial Systems
- **Rotterdam The Hague Airport:** Innovation Airport
- **Technical University of Delft:** Faculty of Aerospace Engineering
- **Leiden University:** International Institute of Air and Space Law
- **InHolland University of Applied Sciences:** Aeronautical Engineering
- **YESiDelft:** incubator for tech startups

...and many internationally renown companies like Fokker Technologies, Airbus Defence & Space, Avio-Diepen Aerospace Parts, Terma, Marshall Aerospace, Airborne Composites, GTM-Advanced Structures, Kok & van Engelen Composite Structures, NACO Airport Consultancy & Engineering, Deerns Airport System Consultants, SITA BagDrop and many others.

**Invest & Innovate in WestHolland**  
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### AEROSPACE IN BRABANT

Smart cross sectoral industry

## Aerospace in Brabant

Many multinational OEM's already benefit from Brabant's excellent international business environment. The province of Brabant stimulates innovation, talent development and business opportunities through various industries, which resulted in 620 million euro foreign investments in 2016.

- Brabant's long history and outstanding reputation in Aerospace also make it one of the most attractive regions for Aerospace MRO in Europe, with unique aerospace hotspots that provide many international business opportunities:
  - Headquarters of the Dutch Royal Air Force
  - Aviolanda Business Park (connected with the Air Force Logistics Center)
  - Two international Airports (Eindhoven & Breda)
  - Dutch Air Force Academy
  - Dutch Air Force Logistics Centre
  - Simulation Centre (Gate2)
  - Rotary Wing Training Center
  - Aviation Maintenance Academy
  - Europe's F-35 (JSF) Engine MRO facility

### Important Aerospace hubs in Brabant

Aeroparc Gilze-Rijen is the center of excellence for Simulation and accommodates the Rotary Wing Training Center. The location facilitates various R&D labs, like the 3D-print lab, Data Science lab, DAF technology lab, Fujifilm Open Innovation Hub and the Maintenance Fieldlab Campione in cooperation with the University of Tilburg.

Aviolanda Aerospace Woensdrecht is connected to the Dutch Air Force Logistics Centre, which is the center of (military) aerospace MRO and selected for the European F-35 engine maintenance. Woensdrecht accommodates many international aerospace companies like Boeing, Moog, KMWE, Chromalloy, Standard Aero, Fokker GKN, Elbit Systems, Airborne, Terma, NedAero, Thales. The business park facilitates the Aircraft Maintenance Academy and Drone Center.

**BOM Foreign Investments**  
The Brabant Development Agency (BOM) supports foreign companies with advice on investments, location selection, business network, tax climate etc.  
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## Maastricht Maintenance Boulevard in the heart of Europe

Maastricht Maintenance Boulevard (MMB) is an aerospace cluster with Maintenance, Repair and Overhaul as its core business. It is based at Maastricht Aachen Airport (MAA) near Maastricht (the Netherlands) in the heart of Europe. MAA is a fully equipped airport with a 2750 m runway, open 7-23 hours providing passenger and cargo airline services.

### The partners in MMB are:

- Samco Aircraft Maintenance
- UTAS (Component Repair)
- MAAS Aircraft Painting
- KVE Composite Repair
- Allied International Support (Component Trading)
- Aviation Competence Centre (MRO Training)
- AMC 66 (MRO Training)
- Cycloon Holland (General Aviation MRO)
- Aircraft Solutions (Helicopter MRO)
- GAM (General Aviation Services)

MMB companies have strong ties with some of the largest aerospace OEM's, such as United Technology Aerospace Systems, Bombardier, Airbus, Abaris Training.

The companies of Maastricht Maintenance Boulevard develop and provide innovative concepts for aircraft maintenance:
 

- One stop shop aircraft maintenance
- Menu of choices
- Composite MRO
- Integrated component repair and availability
- Engineering and certification

Maastricht Maintenance Boulevard builds on the competences of its partner companies, offering:
 

- Line maintenance
- Base maintenance
- Continued Air Worthiness
- Structural repairs
- Conversions and modification
- Maintenance training

Most companies are EASA Part 145/147 certificated.

For further information contact Bouke Veldman, chairman Maastricht Maintenance Boulevard (veldman@horizon.nl) or LIOF Regional Development Agency (info@lof.nl)

www.maastrichtmaintenanceboulevard.nl



- Top 5 European Innovation Scoreboard 2016
- SME's are connected
- Cross sectoral knowledge sharing (oil & gas, semicon, automotive, healthcare)
- Top 3 European Start-Up environment

**Challenges**

- ↓ Ensuring sustainable mobility
- ↓ Reducing CO2 emissions
- ↓ Creating a network of multi-disciplinary technology clusters

- Largest offer of English-taught programs in continental Europe
- 12 universities in top 200 worldwide
- Largest Aerospace Engineering Faculty in Europe (TU Delft)

**Research & Development**



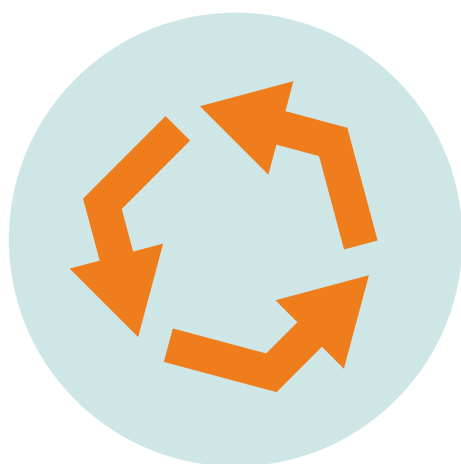
- Integrated in EU framework
- National support programs and Fieldlabs
- Open structure, focus on co-operation

**Design & Engineering**



- **Fokker heritage:** Aircraft System knowledge
- **Series production:** light weight composites and metal structures, interiors, wiring, engine components
- **MRO & Support:** modifications, re-deliveries, VIP completions, logistic support

**End of Life**



- Worldclass ageing aircraft know-how
- Maximum recycling and re-use
- Leader in social responsible dismantling

**Testing & Certification**



- Worldclass Testlabs and Windtunnels
- Air traffic management & airport simulators
- 100+ years experience in Aerospace

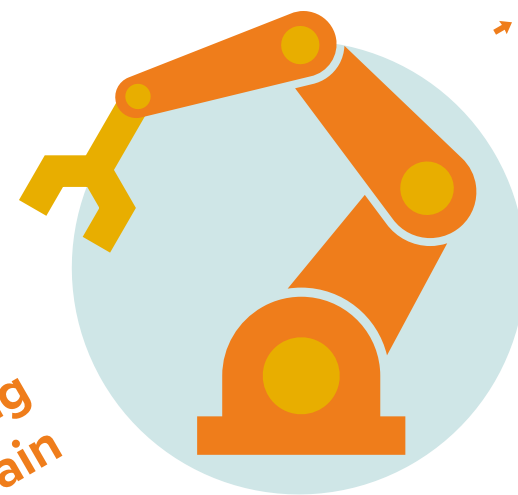


**Operations & MRO/Support**



- Top airline and Airforce customer base
- Logistics is key; exchange pools, 3D printing, automation
- Big data for MRO services

**Manufacturing & Supply Chain**



- Production automation is top priority
- Combining Aerospace, Space, Airport Development and High Tech Systems
- Main ports for Europe (Schiphol, Rotterdam) provide worldwide entrance for logistic services

- Largest Space Research Base in Europe
- Combining 100+ years of experience with world class technologies and smart industry ICT solutions for next generation solutions
- Airport Development & Infrastructure and Aerospace is integral part of Aviation Community in NL

- ACI 2016: Schiphol nr. 2 on Global Hub Connectivity Ranking
- Nr. 1 Gateway to Europe
- Global leader in ICT, Logistics and Logistics Innovation