



invest  
in  
bavaria

## Aerospace in Bavaria.

**Aerospace** plays an **important role in the mobility sector**, besides branches such as automotive and logistics. Furthermore, Aerospace is **also a significant cross-industry issue that affects and is affected by other areas** such as IT security, new materials, lightweight construction, additive manufacturing, robotics, networked systems and fiber composites.

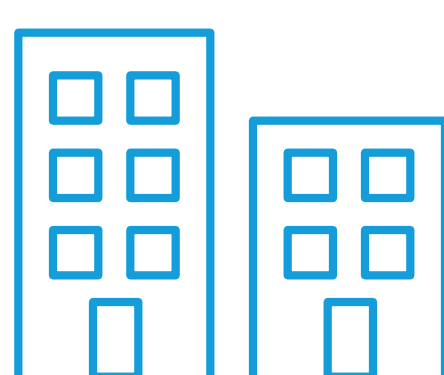
## Aerospace Industry in Bavaria.



### Employees

More than **38.000 employees** in the aerospace industry.

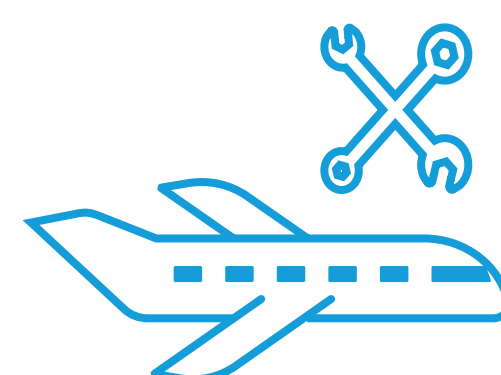
This means that Bavaria accounts for **more than a third of all employees in Germany** in this field.



### Business

Over **550 businesses**.

The corporate landscape ranges from **small suppliers** to **innovative start-ups** to **global corporations**.



### Production

Manufacture of **civil and military aircraft, helicopters, satellites, guided missiles** and **unmanned aerial vehicles (UAVs)**.

**Components for space vehicles and communication technologies** for innovative applications in space and aviation are also developed.

Bavaria plans to launch a special **technology support programme for aerospace in 2021**.

## Research and development.



### Strong Network

Strong network of research activities in the aerospace industry.

Bavaria supports joint projects (partners from research and industry) with **special technology funding programs**.

Businesses, universities research facilities and institutes work hand in hand to drive innovation forward and set new impulses in mobility.

Well-trained specialists and a constant stream of young experts for the further development of mobility.



### University Departments

The **TUM Department of Aerospace and Geodesy** at the Technical University of Munich is the largest department of this kind in Europe.

The **“TUM Center for Automated Urban Aerial Mobility”** bundles competencies in the field of flight systems and researches the technical and practical implementation of air taxis.

**TUM** has already been successful in international competitions with the prototype of the “Hyperloop” passenger capsule.

Further examples:

**University of the Federal Armed Forces**  
Munich, Department of Aerospace Engineering

**Technical University of Ingolstadt,**  
Application Cluster “Unmanned Flying”

**University of Würzburg,**  
Center for Telematics



### Further Research Institutions

**German Aerospace Center**  
“Deutsches Zentrum für Luft- und Raumfahrt (DLR)”

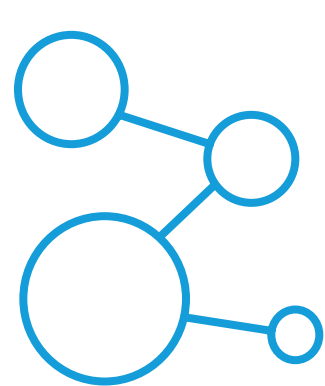
**German Space Operations Center (GSOC)**  
“Deutsches Raumfahrt-Kontrollzentrum”

**“Galileo-Kontrollzentrum (GCC)”**

**“Bauhaus Luftfahrt e.V.”**

**“Ludwig Bölkow Campus”**

## Bavarian aerospace cluster and start-ups.



### Cluster

#### Cluster Aerospace

**BavAIRia e.V.** has been managing the cluster since 2006

Responsible for:

Connecting businesses with the research landscape

Identifying and promoting Bavarian core competencies in aviation, aerospace and space applications

Increasing the competitiveness of these industries on a global level



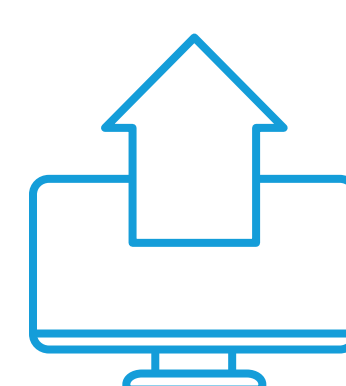
### Big Player

#### Airbus Defence and Space

**Airbus Helicopters**

**MTU Aero Engines**

**Rohde & Schwarz**



### Start-Ups

#### Isar Aerospace

**HPTex GmbH**  
(cooperation of HPS GmbH and Iprotex GmbH & Co. KG)

**Lilium**

**Quantum-Systems GmbH**

Where start-ups can grow:

**ESA Business Incubation Center Bavaria** (ESA BIC Bavaria)

**Brigk Air in Ingolstadt**



Tap into the newest business opportunities.

### Sources

<https://www.bavaria.net/en/bavairia-ev/>

<https://www.cluster-bayern.de/en/>

<https://www.stmwi.bayern.de/innovation-technologie/schwerpunkte/luft-und-raumfahrt/>

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