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## Founding Partners and Entrepreneur Committee



UNDERSECRETARIAT FOR  
DEFENSE INDUSTRIES



ANKARA CHAMBER OF  
INDUSTRY



DEFENSE AND AEROSPACE  
INDUSTRY MANUFACTURERS  
ASSOCIATION

Established with the approval of the Ministry of Science, Industry and Technology in **20th of January, 2015** to

**7 million 230 thousand**

square meters of land

# Advanced Technology

HAB Specialized Organized Industrial Zone aims to bring both domestic and foreign aerospace manufacturing companies together. By uniting companies that specialize in the aerospace industry, promotion of high-technology exports is planned.

Technologies developed within the **aerospace** industry can quickly become a part of our daily lives.



**Mining**  
Prospecting, Analysis, Extraction



**Chemistry**  
New Compounds, Heat-sensitive Materials, Heat-sensitive Chemicals, Nanotechnologies

# Sector Growth Rate

The aerospace industry is constantly growing with new investments.



**Electronics and Software**  
CPU, PCB Design and Manufacturing, Real-time Hardware and Software, Smart Security Systems, Artificial Intelligence



**Advanced Manufacturing**  
Autonomous Industrial Robots, New Materials, Artificial Intelligence, Data Mining, Industry 4.0, Hydraulic Systems, Active and Passive Cooling



**Society**  
Disaster and Emergency Management, Search and Rescue, Natural Disasters and Climate Monitoring



**Automotive**  
Autonomous Vehicle Systems, Collision Safety, Composite Materials, Vehicle Tracking Systems, GPS, New Metal Alloys



**Medicine**  
MRI, Color Ultrasound, Robotic Surgery, New Active Pharmaceutical Ingredients, Remote Diagnosis and Treatment, Medical Alert Systems, Robotic Prostheses, Imaging Technologies



**Maritime**  
Automatic Identification Systems, Underwater Mapping, Remote Maintenance Systems, Fishing Forecasting Systems, Water Purification Technologies, Electronic Maps



**Food**  
Safe Food Preparation, Storage, Cooking Techniques, Healthy Snacks



**Agriculture**  
Soilless Agriculture, Smart Farming Systems, Weather Forecast, Product Fertilisation, Soil Analysis



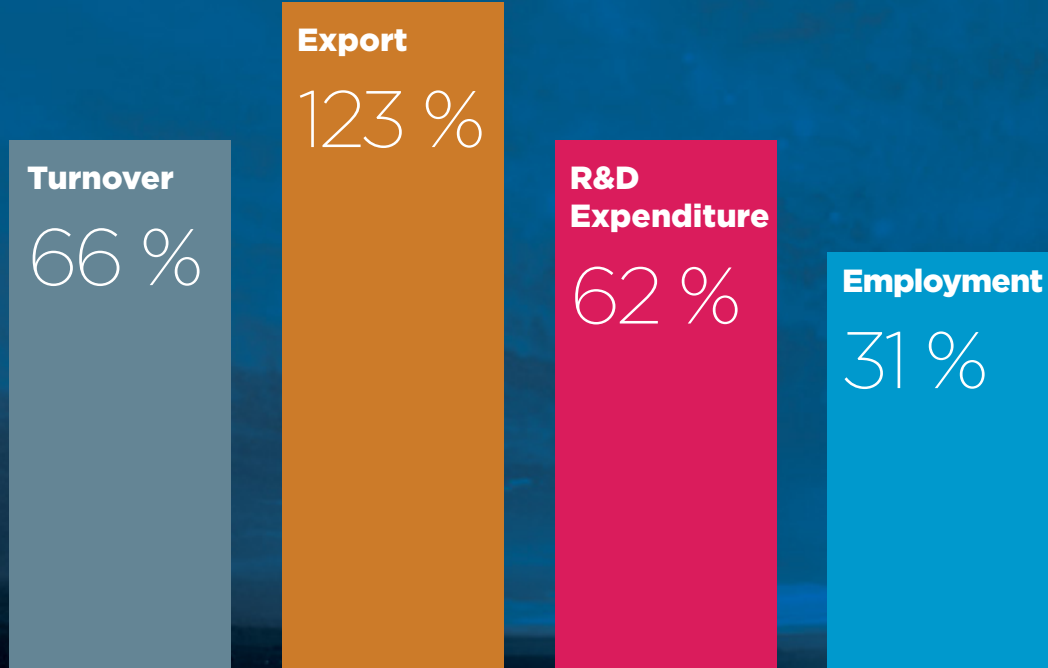
**Telecommunication**  
Smartphones and Tablets, Antenna, Microwave Engineering, Transceiver Systems, 3D Image Processing, Precision Camera, Power Systems Design



**Energy**  
Remote Sensing and Management, Data Transfer, High-Temperature Electronics, Smart Meters

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Growth numbers since 2009







The basis of all technological development is people.  
Success will be achieved with well-trained people who have the right technical skill set.

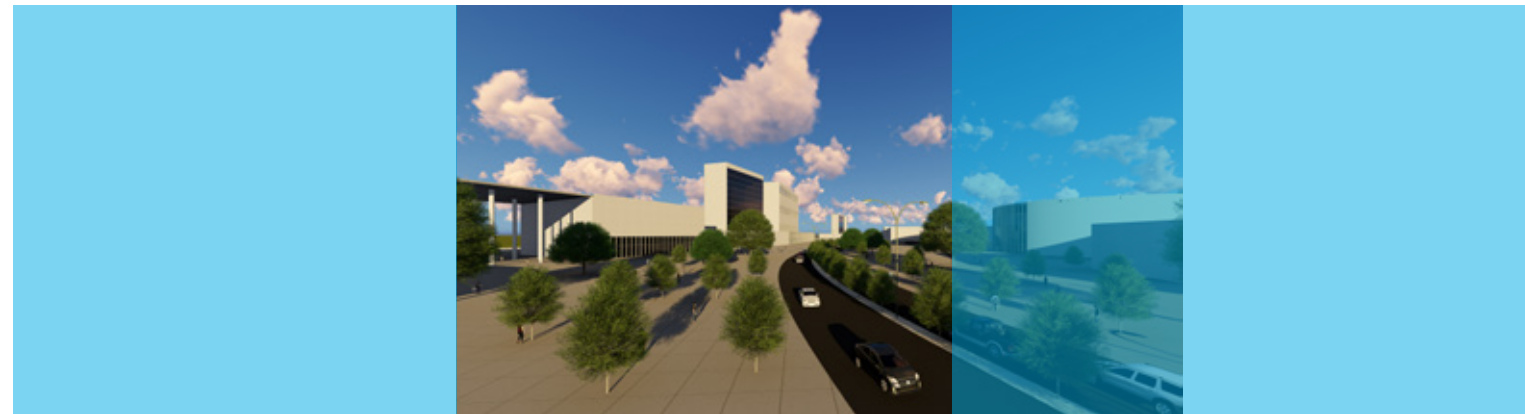
Skilled  
Workforce

Shared  
Wisdom

18 Universities

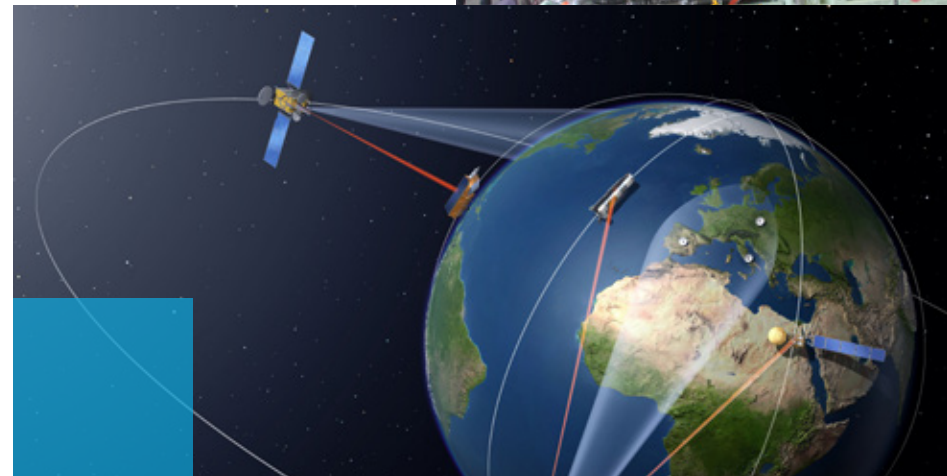
Each year, more than 2500  
new graduates from engineering programs

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## Employment (Engineering)

- Aircraft Engineers
- Aerospace Engineers
- Physics Engineers
- Mechanical Engineers
- Chemical Engineers
- Mechatronics Engineers
- Computer Engineers
- Electrical Engineers
- Electronics Engineers
- Information Systems Engineers
- Software Engineers
- Industrial Engineers
- Metallurgical and Materials Engineers



**HAB**  
Aerospace Zone



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The aerospace industry needs  
a strong foundation.



## Mission

To create an inviting center by ensuring the growth of the sector, increasing exports, and producing technology with high value.

## Vision

- Center of excellence for the aerospace industry
- Incubation center for new ventures
- Cooperation center for exports
- Undersecretariat for Defense Industries' close communication platform for SMEs
- Environment for the industry to share knowledge and experience
- Market access environment for buyers in targeted export markets
- Educational institutions for training intermediate staff

## Goals

- To ensure the convergence and integration of both local and foreign companies and auxiliaries that can uplift the domestic aerospace industry
- To establish an interface between European/American investors and Middle East/Turkic Republics
- To improve synergy between clusters operating in the sector, universities, and R&D centers
- To create a favorable environment for SMEs to be more involved in the sector



OIZ Land  
7.230.000 m<sup>2</sup>

Turkish Space Systems,  
Integration and  
Test Centre

TUSAŞ Aerospace  
Industries (TAI)

2nd Zone

2nd Zone

Ease of Transportation



More than 15000  
Employments

• Technopolis  
• Aerospace Center of Excellence  
• Innovation Center  
• R & D Centers  
• Incubation Center

• Rapid Prototyping Centers  
• Air Vehicle Testing Center  
• Laboratories

Industry-specific  
Vocational Education  
Institutions

• 210 hectares of  
Industrial Zone (1st Zone)  
• 100 hectares of  
Greenfield Land

At the heart of  
Turkey

400 SMEs

Turkish Aerospace  
Agency

HAB  
Aerospace Zone

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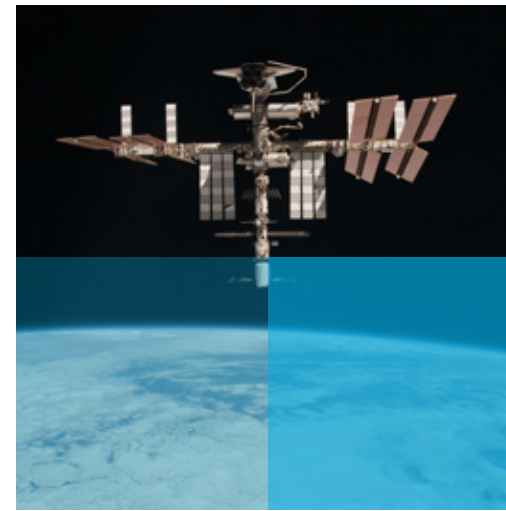
# Why HAB?

## Technology



## Wisdom

## Power



## Location

Ankara Aerospace Specialized Organized Industrial Zone is next to the TUSAŞ/TAI premises, a leading aerospace company.



## Network of R&D Experts

To increase efficiency and effectiveness of R&D activities, bringing academic experts in the field together within the HAB structure is planned.



## Transportation

- Edge of Ankara-Istanbul Highway
- Adjacent to the New Railway Station
- Next to Ankara Logistics Base
- Next to Airport (Mürted Square)
- 22 km distance to OSTIM (Organized Industrial Region Directorship)
- 25 km distance to Ivedik OIZ
- 23 km distance to Sincan OIZ
- 35 km from the city center



## Innovation

The Innovation Academy is planned to develop technical and application capabilities of the companies within the zone.



## Focus on One Field

HAB aims to unite industrial companies that operate in the aerospace industry together. By uniting companies that have an industry focus, it is planned to ensure the needs of customers and industry stakeholders are provided from one center.

What is essential in a good investment?

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We combine our technological strengths

## Incentives for companies in the zone

- **Value Added Tax (VAT) Exemption**  
Investment machinery and equipment imported and/or locally provided within the scope of the incentive certificate will be VAT exempt.
- **Customs Duty Exemption**  
Investment machinery and equipment imported within the scope of the incentive certificate will be customs duty exempt.
- **Tax Deduction**  
The investors income will be taxed at reduced rates until the total value reaches the amount calculated on the basis of governments contribution rate determined for that specific investment. Rate of Contribution to investment (%): % 60 in OIZ.
- **Social Security Premium (SSP) Support (Employers Share)**  
The Ministry of Economy will assume the costs associated with the social security premium, to be paid by the Employer for the new staff, in the amount corresponding to the legal minimum wage. (10 years exemption in OIZ)
- **Interest Rate Support**  
This support will be available for investment loans which were borrowed to finance the investment with a term of at least one year and which shall not exceed 70% of the fixed investment amount registered on the certificate. The Ministry of Economy will pay a portion of the interest/profit share of the loan up to certain maximum limits. (TL nominated loans %5, FX Loans % 2)



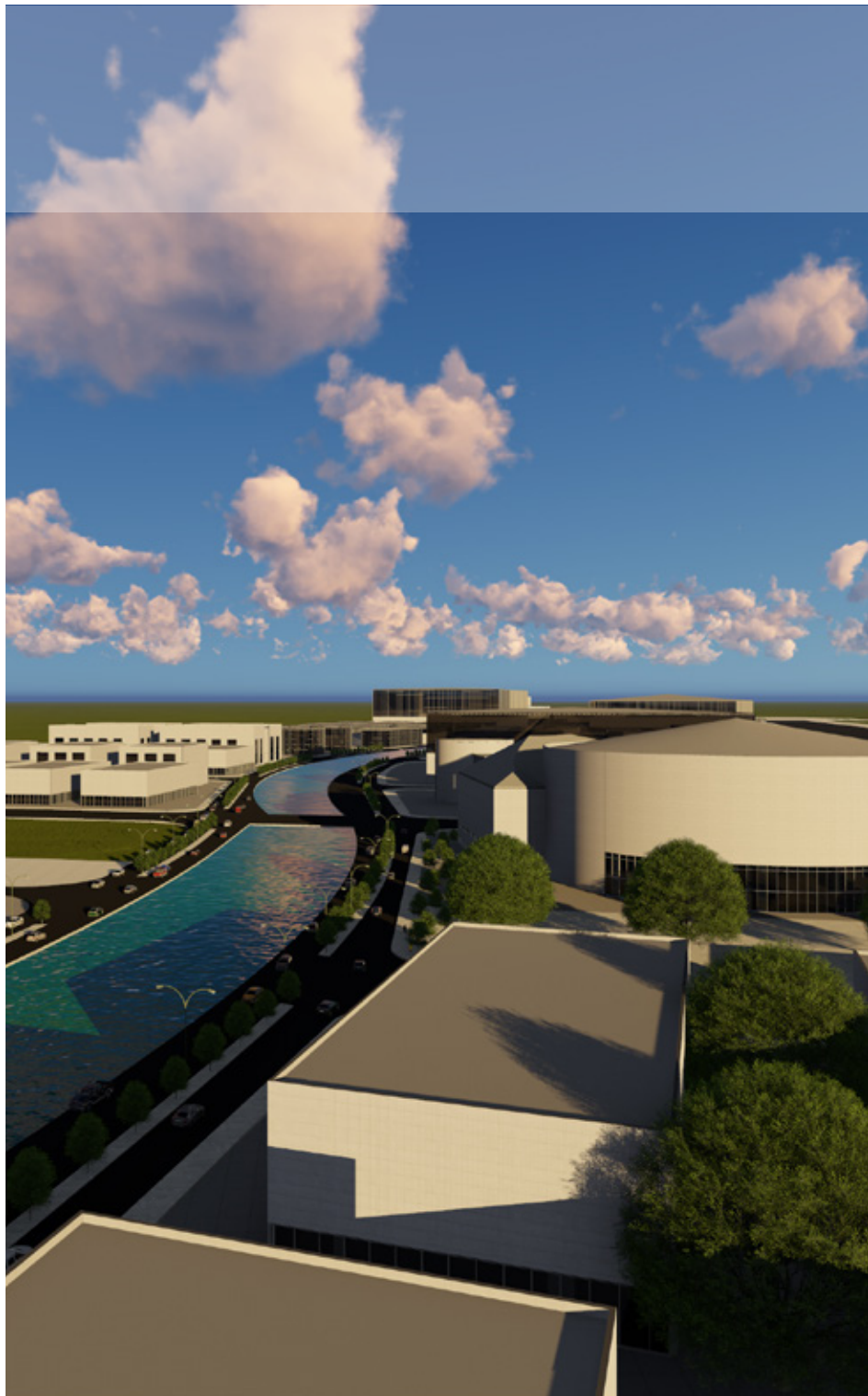
# Which fields of operation will be located?



- Production Design of Aircraft and Space Vehicles
- Engine and Engine Parts Manufacturing
- Avionics and Systems Integration
- Electrical, Electronic and Optical Equipment Manufacturing
- Tool Design and Manufacturing
- Sheet Metal Fabrication
- Composite Manufacturing
- Hydraulic and Pneumatic Manufacturing
- Wiring, Cabling
- Manufacturing of Chemicals Used in the Aerospace Industry
- Cabin Interior and Cargo Section Hardware
- Rapid Prototyping
- Applications of Special Materials and Compounds
- Software and Critical Software Development
- UAV Systems
- Robotics and Process Automation
- Information and Telecommunications Technology
- Satellite Technology
- Turbine Technology
- Micro and Nano Technologies
- Welding Technology
- Testing and Certification
- Measurement, Test and Control Equipment & Systems Manufacturing
- Metrology, Calibration and Validation Services
- Airport Equipment and Ground Support Vehicles Manufacturing
- Air Traffic Controller Radar Systems and Equipment Manufacturing
- Engineering and Consulting Services
- Maintenance, Repair and Overhaul (MRO)







# Our Values

- Having real investors
- Providing quality service to enhance the competency of participating companies in our zone
- To establish a safe, healthy and environmentally friendly zone for all employees and visitors
- To develop a zone with legal and ethical principles



# Application Process






HAB  
is our gate to  
space







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