



Designed for Precision ■■■

# SENSOR INTEGRATION

**Service portfolio**

Our service covers all steps of the sensor integration process starting with the coordination of sensors until the release to service. We focus on the creation of a functional and efficient design in coordination with our customers, as well as on the integration of the sensor into the aircraft according to EASA standards.

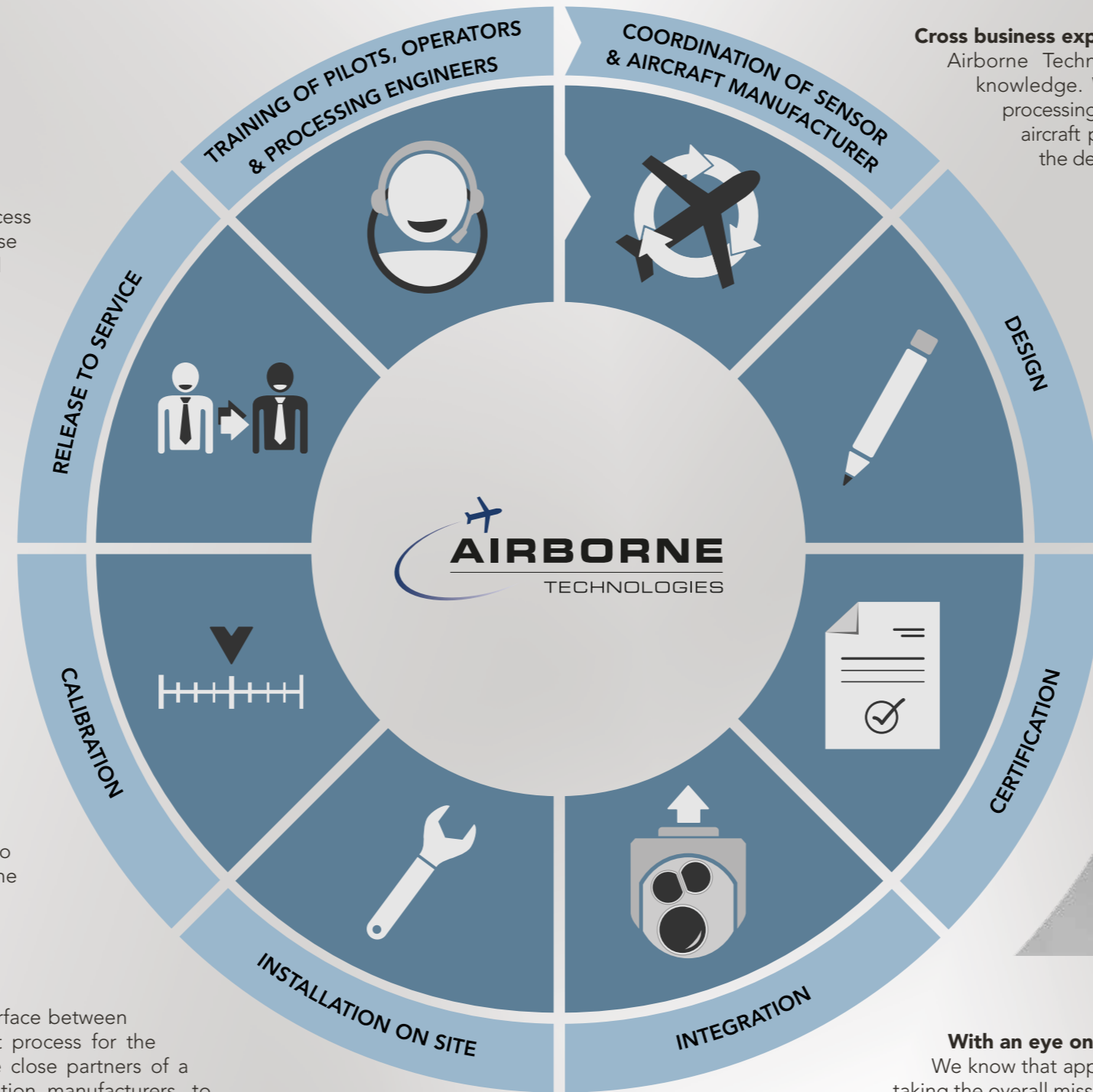


**Service with no limits**

Our service knows no limits. If necessary we will also support customers on site, regardless the aim of the mission.

**Single point of contact**

Airborne Technologies acts as the communication interface between customer and suppliers. It simplifies the procurement process for the client. We operate manufacturer independent but are close partners of a range of established aircraft, sensor and communication manufacturers, to provide a quick and effective service.



**Cross business expertise**

Airborne Technologies strength lies in the ability to pool relevant knowledge. We unite experts from aviation, data capturing and data processing under one roof. Operating our own fleet of multi-mission aircraft provides us with the expert knowledge for consultancy and the delivery of comprehensive aircraft and sensor solutions.



**With an eye on the whole**

We know that apparently insignificant details can make all the difference. By taking the overall mission of the customer into consideration, we focus on the big picture while paying attention to detail.

**We take care of:**

- Communication between customer and suppliers
- Design
- Certification
- Integration of sensors
- Installation on site
- Calibration of sensors
- Release to service (EASA Form 53)
- Training



# INTEGRATION

## of typical mission equipment on Multi-Mission Aircraft

### AIRBORNE SURVEILLANCE



#### Sensor Bay:

- Gimbal camera (retractable)

#### Systems Compartment:

- Camera computing and storage units
- Satellite uplink control unit
- In-line of sight downlink
- Dual GPS

#### Flight Deck:

- Mission management system

#### Sensor Operator Station:

- Multifunctional sensor control system



### AIRBORNE LASER SCANNING



#### Sensor Bay:

- Airborne laser scanners
- Mid-size format camera

#### Systems Compartment:

- Data recorder for laser scanners
- Storage units for camera
- Positioning and navigation system

#### Flight Deck:

- Flight guidance system

#### Sensor Operator Station:

- Integrated sensor controls



### AIRBORNE PHOTOGRAMMETRY



#### Sensor Bay:

- Large format camera
- Gyro stabilized platform

#### Systems Compartment:

- Control and storage unit
- Positioning and navigation system

#### Flight Deck:

- Flight guidance system
- Integrated sensor control





## ABOUT THE COMPANY

We are an Austrian private limited company based at the Wiener Neustadt Airport. Our company consists of a team of experts in aviation, system engineering and geo-data acquisition.

Our scope of services includes the integration of any Airborne Remote Sensor into the customers' platform, the development of customized ISR Turnkey Solutions as well as the acquisition and processing of geo information for governments, police, military and many sectors of industry.

## CONTACT

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**EASA Part 21 J approved Design Organisation**