

# AT-One at a Glance

Air traffic is by nature an international business. A vast majority of flights carry people and cargo across national borders. This means that strong international co-operation is necessary to enable safe and efficient air transport.

The world volume in air transport is projected to double over the next decade. Maintaining and even increasing the level of safety in more crowded airspace is therefore a real challenge. Also environmental issues, like emissions and noise around airports are growing concerns.

In Europe big steps in international co-operation and harmonisation have been achieved by the foundation of Eurocontrol and the Single European Sky initiative. The start of the SESAR program is intended to take this to the next level.

The German Aerospace Centre (DLR) and the National Aerospace Laboratory of the Netherlands (NLR), two of the largest European aerospace research and development institutes, do fully recognise this need for international co-operation. Therefore DLR and NLR have formed a strategic alliance in the area of Air Transport R&D.

The Air Transport Division of NLR and the Institute of Flight Guidance of DLR have joined forces by the foundation of AT-One.



## Products & Services

### In the area of ATM & Airports

- Development and validations of ATM concepts and validations
- Design and modification of airport functions and processes
- Development of ATM/Airport decision support systems and procedures



### In the area of Safety & Security

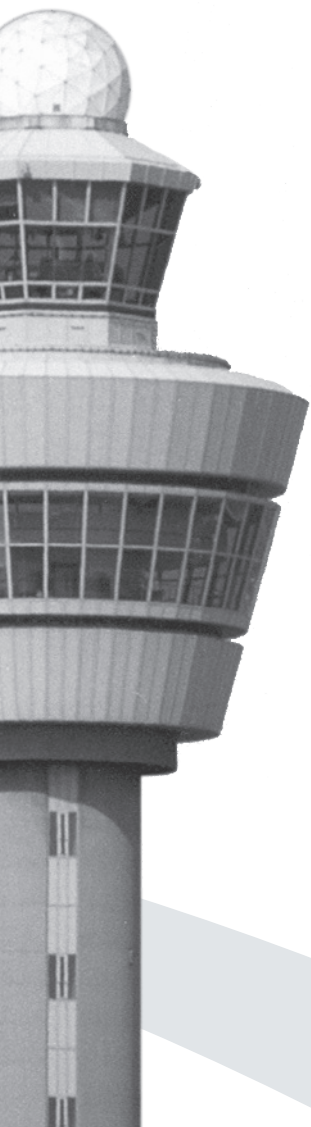
- Safety modelling – safety & security assessments
- Accident and incident investigations

### In the area of Environment & Policy Support

- Noise measuring & calculations
- Emission determination
- Consultancy and policy support

### In the area of Training & Human Factors

- User-interface design & evaluation
- Human Factors simulation, modelling & certification
- Training design & enhancement



## Benefits

Together, the specialists of NLR and DLR have all the expertise and tools needed to help the air transport industry achieve its goals. Through its size and international orientation, large international programs can be executed by AT-One. The extensive knowledge base and the experience with projects for a wide variety of customers of the parent organisations will ensure that our



stakeholders will get the best value for their money. Harmonisation of efforts and facilities between the locations in Amsterdam and Braunschweig will reduce redundancy, leading to competitive cost levels for our customers.

## Facts

### AT-One

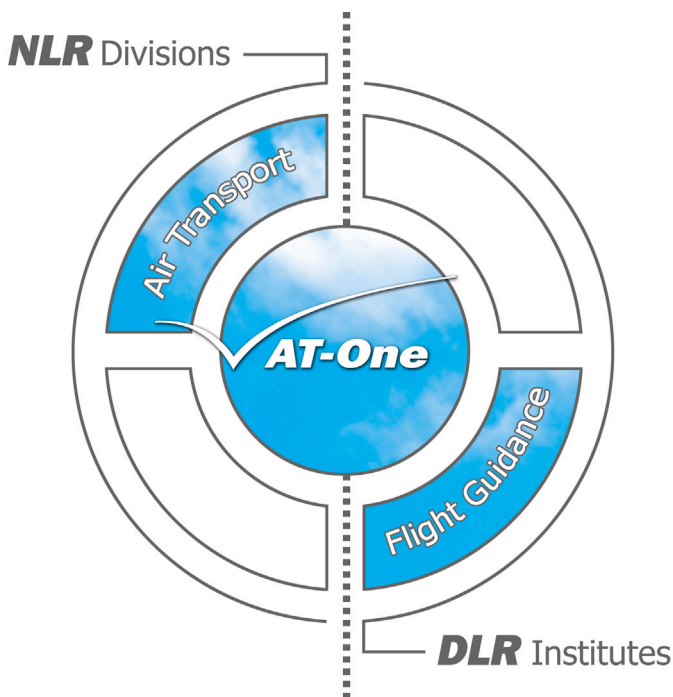
- is formed by combining the experience and knowledge of over 280 specialists
- opens the door to state-of-the-art research, development, analysis and simulation tools
- is one of the world's largest research establishments in the field of Air Traffic Management



## Customers

The customer base of AT-One includes:

- National and International governmental bodies
- Air Navigation Service Providers
- Airports
- Airlines
- Air Transport System suppliers
- International Institutes



*AT-One is the strategic alliance between the Air Transport division of NLR and the Institute of Flight Guidance of DLR*

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*AT-One combines the strength of NLR and DLR in ATM Research*

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