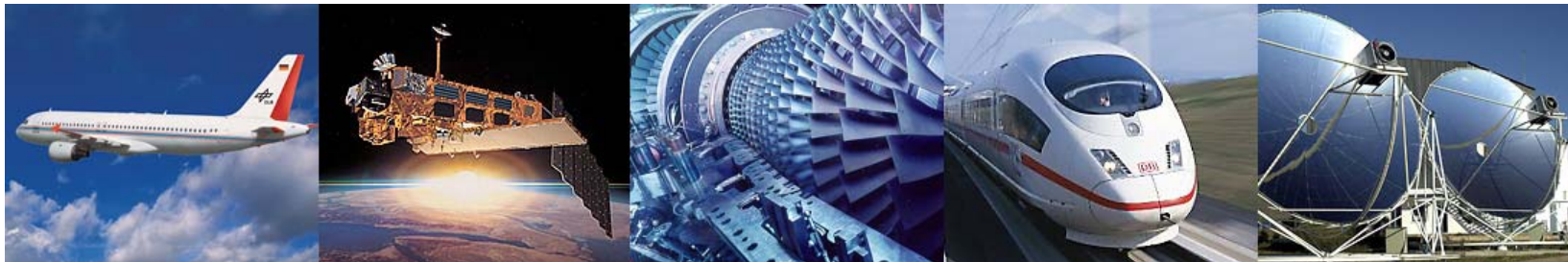


German Aerospace Center (DLR)



DLR German Aerospace Centre



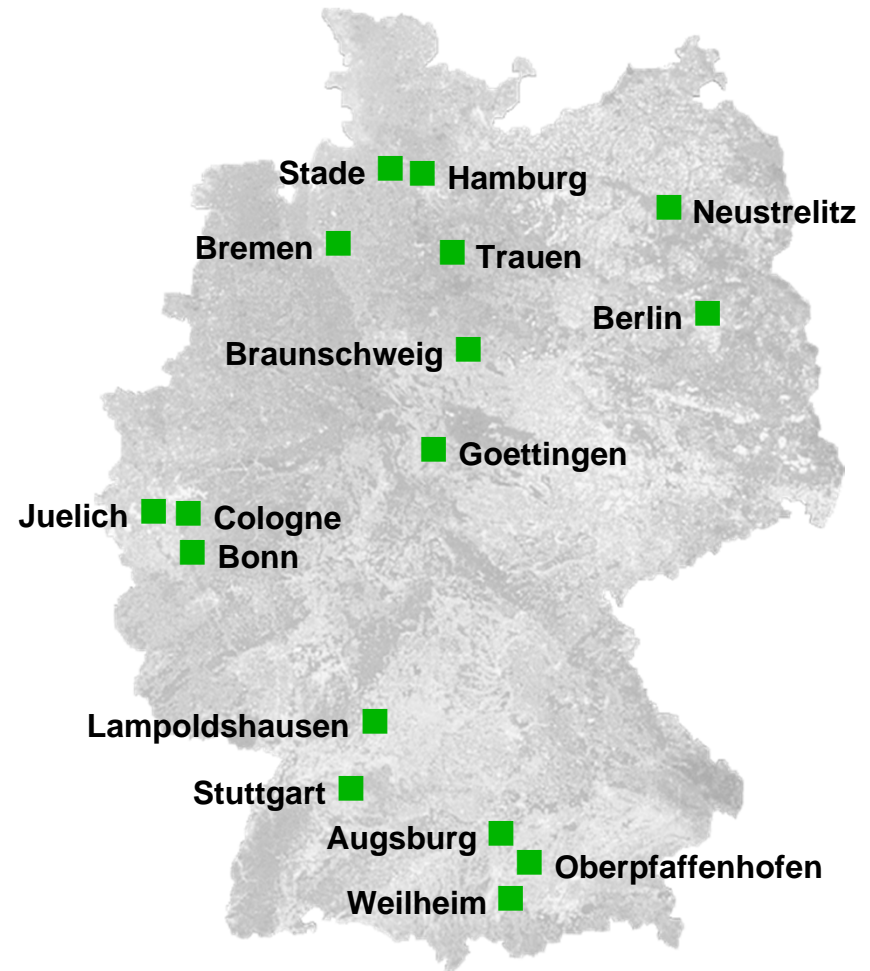
- Research Institution
- Space Agency
- Project Management Agency



Locations and employees

7400 employees across
32 institutes and facilities at
■ 16 sites.

Offices in Brussels, Paris,
Tokyo and Washington.

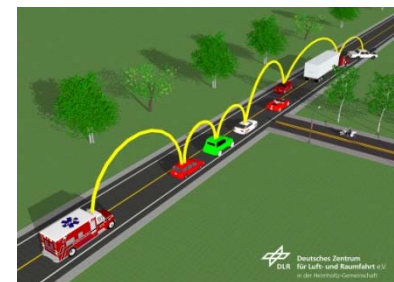


Focus Area Transport

- Achieving sustainable mobility with balance between
 - economy
 - society
 - ecology

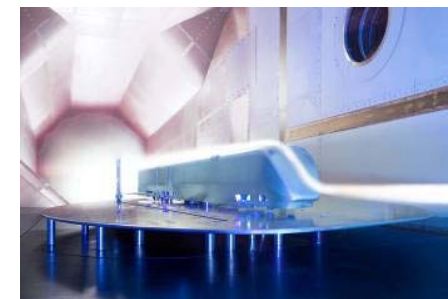
by

- ensuring the mobility of people and goods
- protecting the environment and resources
- improving safety



Characteristics of Focus Area Transport

- Systematic approach
- Concrete prospects for applications
- Multiple synergy utilisation through integration of
 - 3 transport institutes
 - 21 aerospace institutes
 - 2 energy institutes
- Strategic cooperation with partners from science and commerce



Portfolio of Transport

Transport Research Area Mobility, environment, safety, economy		
Terrestrial vehicles	Traffic management	Transport systems
<ul style="list-style-type: none">• Road vehicles• Rail vehicles	<ul style="list-style-type: none">• Road traffic management• Rail traffic management• Airport management• Sea traffic management• Traffic management for major events and disasters	<ul style="list-style-type: none">• Transport development and the environment



<< back

DLR Site Braunschweig

Employees: 1 050

Size of site: 170 000 m²

Research institutes and facilities:

- Institute of Aerodynamics and Flow Technology
- Institute of Composite Structures and Adaptive Systems
- Institute of Flight Guidance
- Institute of Flight Systems
- Institute of Transportation Systems
- DLR Design Office
- Flight Operations
- Simulation and Software Technology (SISTEC)
- A section of the Cologne Institute of Air Transport and Airport Research
- Technology Marketing
- Training
- The Engineering Systems House (ESH)
- German-Dutch Wind Tunnels (DNW), Braunschweig low-speed wind tunnel



Institute of Transportation Systems

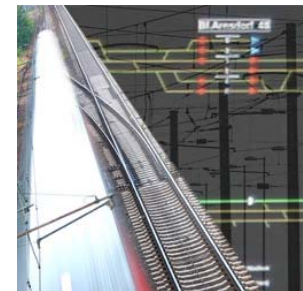
Residence: Braunschweig and Berlin
Since: March 2001
Director: Prof. Dr.-Ing. Karsten Lemmer
Employees: Presently 120 employees
from various scientific disciplines

Range of tasks

- Basic research
- Creating concepts and strategies
- Prototype development

Fields of Research

- Automotive
- Railway Systems
- Traffic Management



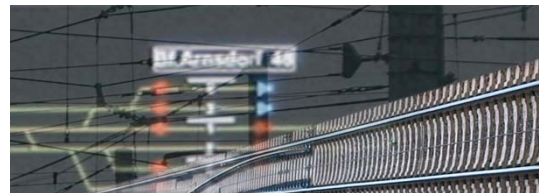
Fields of Research

Automotive Systems



Methods / Evaluation
Understanding the driver
Human factors
engineering & design
Technologies for ADAS
Vehicles
Simulators

Railway Systems



Railway Technology:
ETCS, Interlocking, ...
Safety
Rail human Factors
Railway Operation
Life cycle management
Sensors, Data and
Algorithms

Traffic Management



Traffic data recording
Traffic data
management
Traffic simulation und
prediction
Traffic control and
management
Traffic quality



Large scale research infrastructures

RailDrIVE®



RailSiTe®



RailSET®



AIM Reference Line

