Runway into tomorrow's technology

The volume of air traffic will double in the next 20 years. This increase in the need for mobility and the increasing shortages of resources and environmental pollution are major drivers of research and development for future aircraft systems. Interdisciplinary and network solutions are needed to use existing capacities safely and efficiently and to stay abreast of the growth in traffic. Possible solutions are being developed and tested at the research airport.

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Take-off for the future
Reseach Airport – always a step ahead

The Research Airport offers an internationally unique infra-
structure with research aircraft, wind tunnels, simulators and
testing facilities which, along with the airport infrastructure
(second largest airport in Lower Saxony), are concentrated
in a single location. Added to this is, a regulatory authority
such as the LBA (Luftfahrt-Bundesamt – German Federal
Office of Civil Aviation) and the BFU (Bundesstelle für Flug-
unfalluntersuchung – German Federal Bureau of Aircraft
Accident Investigation) complement the network.

The name "Research Airport" provides the best description
of what the location unique: effective combination of
research, science and entrepreneurship. Here the benefit
created goes far beyond the sum of the individual services.

The Forschungslagern Braunschweig GmbH, Research
Airport, represents a service platform for all questions
about the research airport. The task is to network the local
partners and further companies, identity their shared
research priorities, and coordinate them for projects.

The companies work together on projects. Close net-
working with the Technical University of Braunschweig (TU)
and the German Aerospace Center (DLR) provides contact
with the experts of tomorrow. The NFL (Niedersächsisches
Forschungszentrum für Luftfahrt – Aeronautics Research
Centre Niedersachsen) and the NFF (Niedersächsisches For-
schungszentrum Fahrzeugtechnik – Automotive Research
Centre Niedersachsen) are current major projects. Promising
topics for the future such as the Citizen-Friendly Airplane
and Metropolitan Car being worked on by interdisciplinary
research teams.

Excellence across the board

Over the last 20 years, the Research Airport has developed
into one of the most innovative business and science
clusters in Europe. Currently around 3,000 employees of 40
companies, the DLR and the TU Braunschweig research and
develop the systems of tomorrow on site – and not only in
the area of aviation.

With its portfolio of intermodal traffic, Braunschweig is
developing into Europe’s leading centre of competence for
mobility issues, in automotive, aviation, rail, certification
and electromobility.

A piece of the future

For Galileo, the European civil tracking and navigation
system with a service guarantee, the certifications and
services for critical safety applications is being implement-
at the research airport. Modern driver assistance systems
in cars and trucks, among others, profit from this. With
ITS mobility nord and GAUSS (Galileo Centre for safety
critical applications, certifications and services), the most
important Lower Saxony players for mobility questions are
located in Braunschweig. 11 test aircraft, including an Airbus
A320 (ATRA) and 16 simulators provide the foundation for
Europe’s largest civil test centre.

When will you start here?