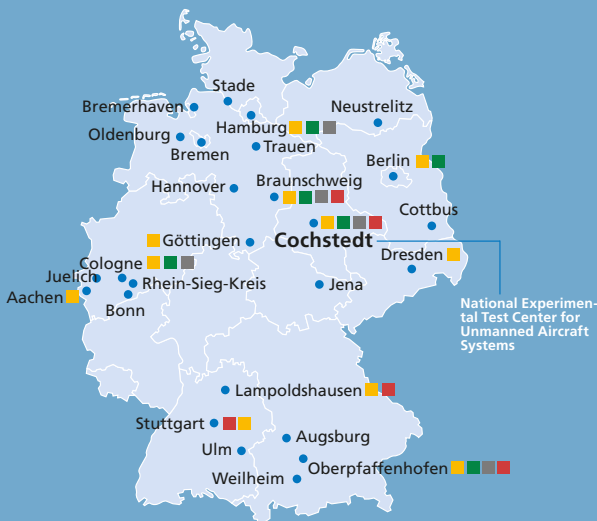




In meeting the challenges described above, the National Experimental Test Center for Unmanned Aircraft Systems (UAS) plays a central role as a pioneer for research and development regarding new UAS technologies at DLR and for external partners. DLR is currently conducting research into uncrewed flight at various locations throughout Germany, each with a different focus.



■ UAS Technology Advancement    ■ UAS Acceptance and Environment  
■ UAS Traffic Management (UTM)    ■ UAS Safety and Security

### About DLR

DLR is the Federal Republic of Germany's research centre for aeronautics and space. We conduct research and development activities in the fields of aeronautics, space, energy, transport, security and digitalisation. The German Space Agency at DLR plans and implements the national space programme on behalf of the federal government. Two DLR project management agencies oversee funding programmes and support knowledge transfer.

Climate, mobility and technology are changing globally. DLR uses the expertise of its 54 research institutes and facilities to develop solutions to these challenges. Our 10,000 employees share a mission – to explore Earth and space and develop technologies for a sustainable future. In doing so, DLR contributes to strengthening Germany's position as a prime location for research and industry.

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## National Experimental Test Center for Unmanned Aircraft Systems



With the **National Experimental Test Center for Unmanned Aircraft Systems**, a test facility is being created where capabilities and expertise for the development of Unmanned Aerial Systems (UAS) are combined. The test centre enables the networking of research and industry for the further development of UAS technologies and puts the main emphases on:

- Test and validation
- Certification
- Demonstration
- Training
- Services and consulting

### Overview of Experimental Test Center site and infrastructure

### Additional complexity requires more cooperation

The use of UAS at an economically viable scale and their joint operation in airspace with crewed aircraft poses new challenges for researchers, manufacturers and users, as well as for legislators. Purely technical aspects, as well as complex legal and procedural issues, need to be investigated and new regulations created. The vehicles, flight guidance procedures and legal regulations must be investigated, tested, validated and certified in combination. For this, most helpful facilities and overall conditions are available at the test centre.

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