An aerial view of a white commercial airplane flying over a blue sky. Above the airplane, several large satellite dishes are visible, suggesting a focus on aviation technology and services. The background is a gradient of blue, with a large white curved shape on the right side.

DFS Aviation Services GmbH

A brand of experience



DFS Aviation Services

Who we are

Company profile

DFS Aviation Services GmbH offers a wide range of products and services related to air navigation services and is a wholly owned subsidiary of DFS, the German air navigation service provider (ANSP).

For over 60 years now, the German ANSP has been responsible for one of the most complex airspace structures in the world. Before 1993, it operated as a government organisation and since then has been a private limited company. Across Germany, four DFS control centres handle approximately three million aircraft movements per year. In addition to these flights, the DFS Group is also responsible for air traffic control at 25 airports in Germany and abroad, coordinating 2.4 million take-offs and landings each year.

As part of the DFS Group, the company can draw on the technical and operational expertise as well as the high quality standards of its parent company, one of the world's largest and most advanced ANSPs. As a young, dynamic company with a lean structure, DFS Aviation Services can offer its customers a wide range of products and services as well as optimal value for money.

Portfolio

DFS Aviation Services offers a wide range of services and systems for:



Air traffic management strategies



Area and approach control



Towers



Airports



Technical services and support systems for communications, navigation and surveillance (CNS)



Safety management



Training

Our areas of expertise



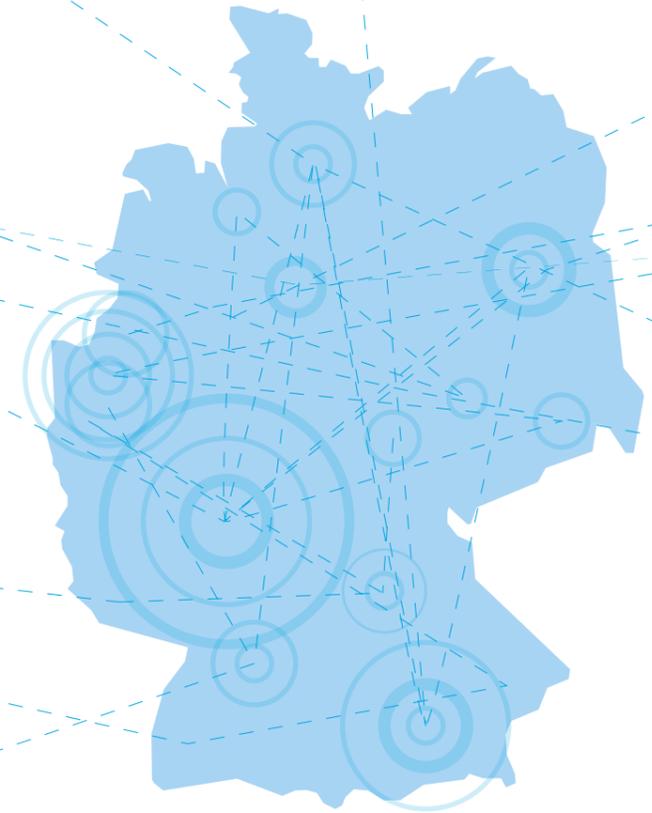
Air traffic management strategies

Viable organisational structures and effective strategies are the prerequisites for efficient air traffic management. Since its foundation, DFS has been a pioneer in this domain. Having successfully achieved civil-military integration in German airspace, DFS plays a leading role in this area. The important topic of integrating unmanned aircraft systems (UAS), commonly called drones, in the future is another area where DFS is making rapid progress.

Backed by a wealth of experience in air traffic management strategy, our company can help you successfully meet the challenges of the future. The focal points of our consultancy services are:

- Separation of air traffic services and national supervisory authorities
- Civil-military integration
- Integration of UAS
- Programs for the calculation of air navigation charges
- Master plans for the aviation industry (airports, air navigation services, airlines)

At peak times, air traffic controllers in Germany handle up to 10,000 flights per day.



Area and approach control

Every third flight in Europe flies over Germany. Due to its central position in the heart of Europe and the large number of airports within and outside its borders, German airspace is one of the most complex in the world. At peak times, air traffic controllers in Germany handle up to 10,000 flights per day, more than a third of which are overflights. The German air navigation services have handled a high volume of air traffic for over 60 years on a daily basis: safely, punctually and efficiently.

Over the years, DFS has developed its own systems and tools to optimise area and approach control. As a customer of DFS Aviation Services, you can use the group's modern simulators and benefit from our experience in optimising airspace structures. Our support covers the following:

- Air traffic management (ATM)
- Arrival manager (A-MAN)
- Air traffic flow management (ATFM)
- Management and planning of airspace structures
- Operational and contingency concepts for control centres
- Installation of and support for simulators
- Planning of approach and departure procedures
- Fast- and real-time simulations



To ensure smooth operations, you need more than modern and efficient aerodrome control services.



Towers

Every airport has its own unique challenges and needs. The DFS Group is responsible for providing air traffic control at a significant number of airports, each with its own distinct conditions. These airports range from small regional airports to London Gatwick Airport, the busiest single-runway airport in the world, and to the international hub of Frankfurt with half a million take-offs and landings per year.

As our customer, you can take advantage of a wide range of products, services and expertise for control towers at small, medium-sized and large airports. You can benefit from our specialist support in:

- Provision of aerodrome control services
- Flight information services, alerting services and meteorological services
- Tower systems (Tower Suite)
- Remote tower concepts
- Procedure planning and simulations
- Control tower studies and general operational concepts



Airports

Airports are highly complex entities that require more than just modern and efficient aerodrome control to ensure smooth operations. The processes on the ground, in the air and in the control tower have to be closely interlinked and require excellent coordination. The DFS Group has a broad base of expertise ranging from the provision of apron management services and slot monitoring to Airport Collaborative Decision Making (A-CDM).

DFS Aviation Services has successfully optimised the processes at numerous airports by working out and implementing well-designed concepts. These and other services put in place by the company have demonstrated their value over many years. We look forward to your inquiries about:

- Airport Collaborative Decision Making (A-CDM)
- Apron management services
- Concepts for operations and infrastructure
- Operational readiness, activation and transition (ORAT) programme
- Capacity studies
- Airport slot monitoring





Technical services and support systems for communications, navigation and surveillance (CNS)

Aerodrome control is not possible without sophisticated and advanced technology. The DFS Group aims to implement only the best CNS systems that will stand the test of time. These include, for example, satellite-based precision approach procedures using GBAS (ground-based augmentation system) as well as tools developed in-house to reduce the load on radio frequencies and to eliminate Mode S conflicts. We also continuously develop and perfect our high-performance backup systems. In addition, we are working on other forward-looking concepts such as sectorless ATM.

Would you like to use advanced technical systems and tools developed by real-world users for real-world use? Would you like support in choosing or maintaining your CNS equipment? We can support you in the following areas:

- Maintenance and servicing of ATS and CNS systems
- Support services for global navigation satellite systems (GNSS) and ground-based augmentation systems (GBAS)
- Maintenance concepts (centralised/decentralised)
- CNS support systems
- Provision of radar and voice communication data
- Provision of aeronautical information (flight plans and flight-plan-associated messages, NOTAM, etc.)

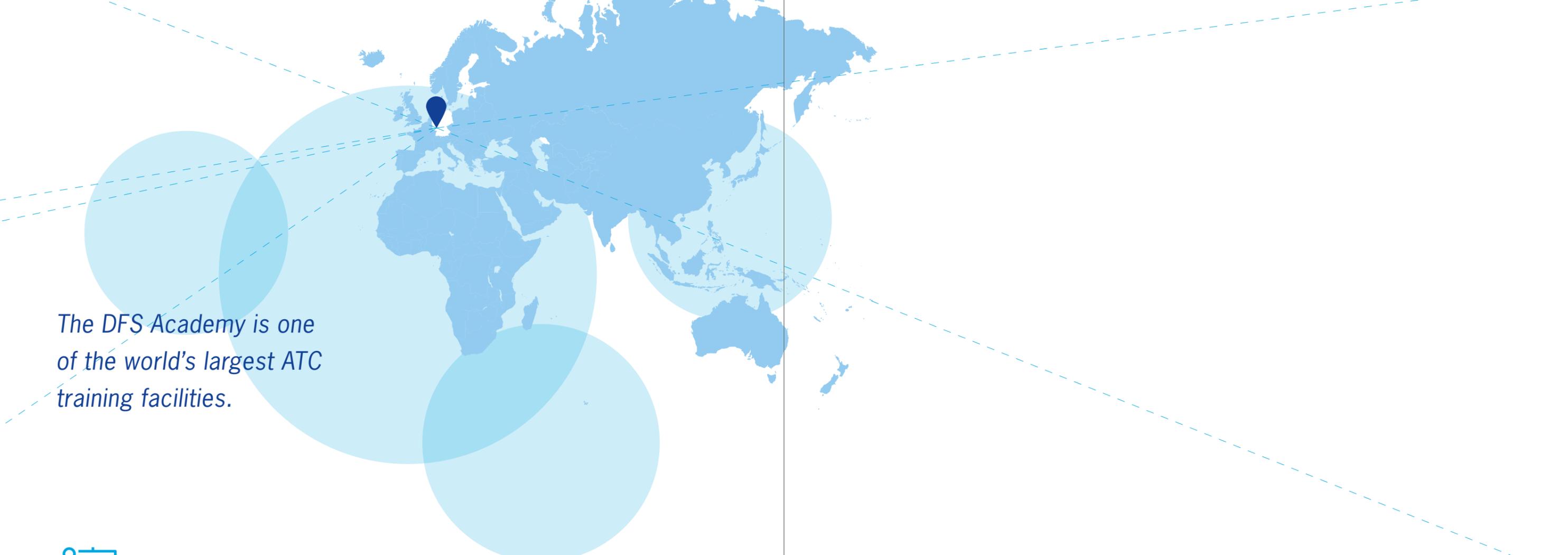


Safety management

When it comes to consultancy and training in the area of safety management, DFS Aviation Services relies on the wide range of expertise of the whole DFS Group. Our customers include air navigation service providers from around the world, national supervisory authorities, ministries of transport and defence as well as aircraft manufacturers from Europe, Asia and the Middle East.

- Safety assessments for ATM systems
- Safety consultancy and training for:
 - occurrence investigations
 - human factors and team resource management
 - safety awareness and culture
 - stress management

DFS Aviation Services relies on the wide range of expertise of the whole DFS Group.



The DFS Academy is one of the world's largest ATC training facilities.



Training

A sophisticated selection process and professional training are the basis for reliable human resources planning. The DFS Group has many years of experience in training its own personnel as well as customers from all over the world. A modular training concept has been developed to tailor each training plan individually for each customer. All DFS courses comply with EU regulation 2015/340.

We are your contact point for access to the wide range of courses DFS provides. The courses are held at the DFS Academy in Langen, Germany – one of the world's largest ATC training facilities – or at a location of your choice. Partner with us for:

- Initial training for air traffic controllers (ATCO)
- Initial training for air traffic safety electronics personnel (ATSEP)
- Courses covering the whole range of ATC
- Support for ATCO recruiting and staffing processes

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