

Training at its Best

The Air Navigation Services Academy



DFS Deutsche Flugsicherung

Welcome to the Air Navigation Services Academy

A realistic training environment, modern training methods, state-of-the-art simulators and multimedia technology have formed the backbone of the training programme of DFS Deutsche Flugsicherung GmbH for many years. Our customers benefit from the long-standing experience of sixty permanent trainers and other guest lecturers.

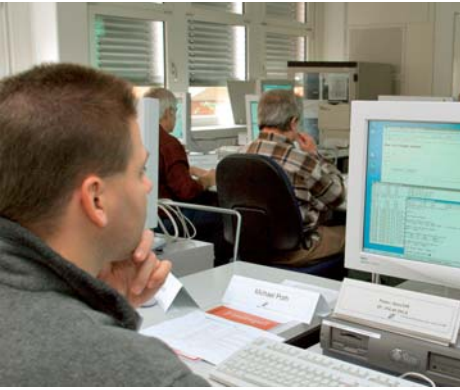
DFS trains all of its new recruits at the Air Navigation Services Academy – from air traf-

fic controllers and air navigation services technicians to AIS briefing officers. In addition, the Academy offers a variety of general training courses for all employees at DFS.

With many courses in the Academy being open to the public, external customers can also draw on the know-how of DFS experts. The Academy will be more than happy to welcome you!



Just right to meet your needs



Located on the DFS Campus in Langen, near Frankfurt, the Air Navigation Services Academy is one of the largest training centres for air navigation services personnel in the world. The product portfolio is tailored to our customers' requirements. Put our experience and the quality of our training to the test and prepare for the challenges posed by an ever changing air navigation services environment!

Civil and military air navigation services organisations around the world are among our customers at the Air Navigation Services Academy. Regional airports in Germany also trust in the ability of the Academy to train their staff.

The Academy performs:

- Ab initio training
- Advanced training
(e.g. instructor qualification, emergency training or team resource management)
- Training in system maintenance procedures (CNS/ATM)
- Computer-based training
- Consulting

Other services are also available, such as:

- Language courses
- Computer courses



Flexible modules

The team at the Air Navigation Services Academy has developed an effective training system that meets European standards (EUROCONTROL, EU Commission). It is based on a modular structure, which can be easily adapted to customer requirements and organised efficiently. A quality management system for training procedures and training results is also in place. We value our customers' feedback.

The training experts of the Academy are there to assist you right from the very beginning. They analyse your requirements and arrange a training programme which is tailored to your needs. All training units are prepared down to the last detail. Our customers are offered the best value for money based on an effective cost management system.

The DFS Academy promotes the knowledge and abilities of its students – both in theory and in practice. You will be impressed by our training quality.



Top-of-the-class teachers

The teachers at the Air Navigation Services Academy are highly qualified. Given their valuable experience in operations, trainers and guest lecturers are familiar with complex airspaces, busy airports and the relevant procedures. The teaching staff also comprises military air traffic control experts. The teachers combine their practical knowledge with refined training methods, which include standardised training documents and a large number of practical exercises at an early stage of the training.

Obtaining the best training available is the only way to respond to the challenges posed by highly complex ATM systems and rising demands on staff. The DFS experts are the right partners for you.



Optimal training infrastructure

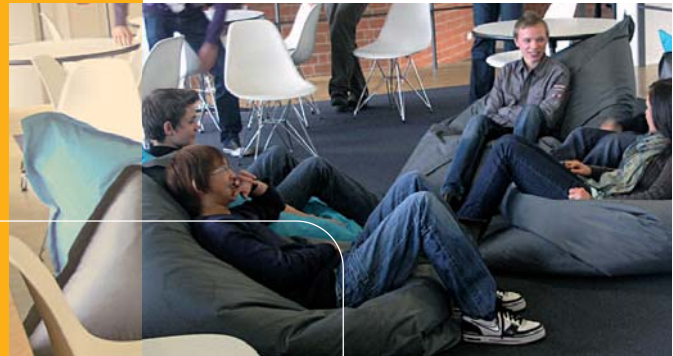
The Air Navigation Services Academy has the perfect infrastructure for performing successful training courses. Thirty classrooms and four conference rooms are available for the theory classes. There is also an auditorium for large-scale functions. It goes without saying that all rooms are fitted with state-of-the-art multi-media equipment. Students and teachers alike use the computer-based training studio, three radar basic skills trainers and three computer rooms for self-study purposes and to carry out practical classes.

Practical training is a key part of the programme at the DFS Academy. Apart from

the aforementioned facilities, radar simulators, five two-dimensional tower simulators and two three-dimensional airport simulators are used for the training. Flight simulators complement the training equipment.

There are also function rooms and training systems designed for flight data specialists and AIS briefing officers as well as for technical training. Two language and radiotelephony laboratories round off the training infrastructure.

It is also possible for customers to rent facilities in the DFS Academy to conduct real-time simulations or training with their own staff.



State-of-the-art simulators

Practical training is performed in the Academy using state-of-the-art simulators.

Current and future radar controllers train on the new simulator known as NEWSIM. Air traffic control procedures and coordination processes between the approach and area control service are performed under realistic conditions. Thirty-two training positions are integrated into the two NEWSIM systems for carrying out exercises simultaneously or together. The exchange of data with adjacent sectors can also be simulated. The display functions and user interfaces are the same as those used in a modern air traffic control centre. In addition to a radar screen, each training position has touch-input devices and a modern voice communication system.



Current and future tower controllers also use the TOSIM simulator for practical exercises. One of the simulators has a 360° projection screen which is twelve metres wide and four metres high. The diameter of the tower cab is 6.5 metres. The working positions Tower Controller 1, Ground Controller, Assistant/Clearance Delivery and Tower Controller 2 can be simulated in addition to four positions for simulation pilots. It is possible to display a high volume of traffic on the TOSIM and change the visual, lighting and weather conditions (e.g. fog, storms, snow) at different times of the day. Emergency situations involving aircraft are realistically depicted.

NEWSIM, TOSIM and other simulators in the DFS Academy ensure that training is efficient and practical.



Enjoying leisure time

After a hard day's training, it is important to relax. What better place to do this than at the Air Navigation Services Academy.

Many courses or seminars last for several days or weeks. During this time, participants can be accommodated in the comfortable single rooms of the Academy guest house. The cafeteria in the Academy serves snacks and drinks and sells magazines and newspapers. It is the ideal location for meeting other people. Just a few metres away from the Academy building is the DFS Headquarters with a Campus restaurant which serves hot meals.

Sporting activities are not neglected at the DFS Academy. Course participants and guests are welcome to use the tennis courts, streetball court and football field located on the Campus. There is also a gym and fitness studio. For those who like jogging and strolling in the fresh air, the woods are at the Academy's doorstep.



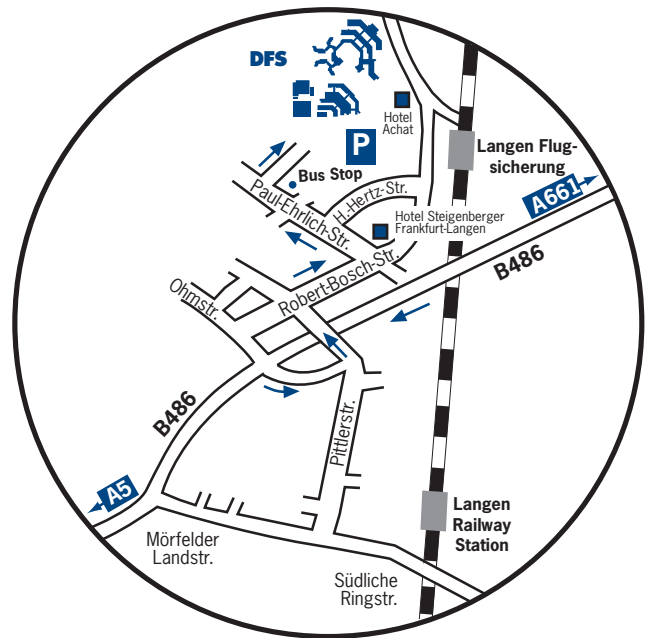
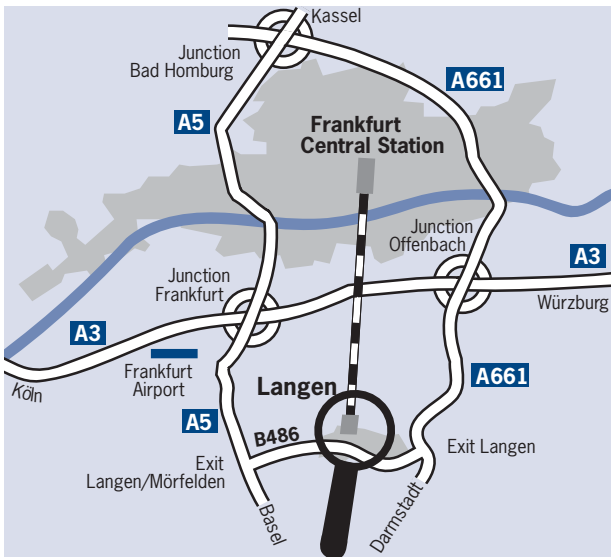
Perfect location

The Air Navigation Services Academy is located in Langen, a pleasant town between the cities of Frankfurt and Darmstadt. Both cities offer a wide variety of cultural activities and can be directly reached from the DFS Campus by commuter train in less than fifteen minutes. The DFS Campus has its own commuter train station.



Frankfurt Airport is approximately 18 km away from the DFS Campus.





Do you have any questions?

For more information, simply call us
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