



Training Centre

Driven by excellence in Air Traffic Management



Belgocontrol is an autonomous public company in charge of the safety of air navigation in the civil airspace for which the Belgian State is responsible.

The control of aircraft movements at and around Brussels Airport and the four regional public airports (Antwerp, Charleroi, Liège and Ostend) is also part of its mission.

Belgocontrol furthermore provides aeronautical and meteorological information to all airspace users and offers all communication, navigation and surveillance services necessary to safely manage and control air traffic.

The mission and technological environment of Belgocontrol would be of little value without the dedication of its highly trained staff. Therefore, Belgocontrol developed its own Training Centre where all air traffic controllers, as well as staff members from other departments (meteorological, technical and administrative services) can benefit from a continuous first-class training.

The Training Centre is part of the operational site of Belgocontrol in Steenokkerzeel and thereby located in the heart of all aeronautical activities. The site comprises the Control tower for Brussels Airport, the Computer Assisted National Air Traffic Control Centre (CANAC), the Administration Centre, the Restaurant and accommodation facilities. No other location could offer such a perfect integration into the world of aviation and Air Traffic Control.

Our perfectly suited infrastructure and acquired expertise also enable us to offer training to external professionals and to all airspace users in a large variety of disciplines.

Our Training Centre

Training of air traffic controllers

The training of air traffic controllers is delivered by a permanent staff of dedicated instructors, with a broad operational experience, relying on state-of-the-art training technology with air traffic simulators of the latest generation.

In addition to the training of the company's own air traffic controllers, the Belgocontrol Training Centre offers training to meet the needs of customers from outside the organisation or from abroad. With the help of the modern, sophisticated simulators, training can be perfectly tailored to their specific needs. Real airport environments and bad weather conditions can be completely re-created.

Meteorological training

Besides the training of its own staff, the Training Centre also regularly organises a series of courses in General Meteorology for third parties as well as tailor-made training courses for specific target groups: flights dispatchers, external meteorologists and climatologists, commercial and private trainee pilots, airspace users, aviation and meteorology enthusiasts.

Technical training

Finally, our Training Centre offers an extensive training programme for technical staff and administrative personnel. The courses mainly cover subjects such as communication, navigation, surveillance and computer skills.

The Belgocontrol Training Centre offers a large scale of training programmes tailored to the customers' needs.

State-of-the-art infrastructure



The modern, sophisticated 3-D tower simulator can reproduce any real airport environment.

The pride of the Training Centre is the state-of-the-art tower and radar simulator of the latest generation. The ability to conduct integrated exercises (tower, approach and en-route) constitutes one of its major advantages.

The radar simulator counts 32 training positions and can simulate a wide range of training situations, varying from basic radar exercises to emergency and refresher courses.

The 3-D tower simulator consists of 4 working positions and offers a 360° panoramic view. It meets the two essential needs for in-depth air traffic control training: the generation of realistic scenarios and the possibility to reproduce various weather conditions. By means of computer-generated images, the system can simulate day and night, bad weather conditions, change visual angles and also integrate emergency or incident situations. It can re-create any airport environment, thereby offering a unique, highly flexible training programme which has already been successfully tested by other air navigation service providers.

In Air Traffic Control there is a constant need to combine safety and efficiency. The consequences of major, more permanent changes, for example, in airspace structure, airport design and air traffic flow or the introduction of new procedures can be studied and analysed using the simulator.

The Training Centre has several classrooms at its disposal equipped with all modern training aids as well as four Computer Based Training (CBT) classrooms. Furthermore, it also offers excellent meeting facilities: an auditorium and a large number of fully equipped meeting rooms.

Trainees also enjoy free access to the multi-media library –with an internet corner– specialized in ATM documentation and information as well as in aviation matters and other sector-related subjects.



At walking distance from the Training Centre, trainees can benefit from a whole set of facilities like the Accommodation Centre with student rooms, as well as the Restaurant with self-service and cafeteria.



Unique accommodation facilities

All facilities on site

Perfectly integrated within the Belgocontrol site located in the quiet and green surroundings of Brussels Airport, the Training Centre offers on site all necessary accommodation and leisure facilities.

The new Accommodation Centre counts 26 rooms for rent to students for short as well as for long-term periods. Special attention has been given to space and comfort. Each room is furnished in a modern way and has a study corner and individual sanitary facilities, TV as well as internet access.

The adjacent Restaurant building consists of a cafeteria and a self-service restaurant with terraces offering a wide range of meals.

Easily accessible

Located on the east side of Brussels Airport, the Belgocontrol Training Centre in Steenokkerzeel is easily accessible being only 15 km from the city centre of Brussels – the heart of Europe – as well as from the university city of Leuven.

Aeronautical environment

The Training Centre is perfectly integrated in the aeronautical environment, at walking distance from CANAC, the national Air Traffic Control centre, the Control tower of Brussels Airport and the meteorological and technical departments of Belgocontrol.



The Belgocontrol Training Centre is perfectly integrated in the operational site of Belgocontrol in Steenokkerzeel, in the heart of the air navigation services' environment.



A complete programme for all your needs

Due to the specific nature of our airspace, one of the world's busiest and most complex airspaces, Belgocontrol acquired a considerable expertise and experience in air traffic management and control. Well-trained and motivated personnel play a key role in this process. Belgocontrol's primary objective is to provide such highly skilled professionals in all areas of its activities.

The Belgocontrol instructors all have an extensive operational experience. Theoretical courses as well as practical exercises are prepared and delivered in-house. They are based on standards approved by international organizations such as the International Civil Aviation Organization (ICAO) and the World Meteorological Organization (WMO) or developed by Eurocontrol and in line with the EU requirements. Belgocontrol also actively participates in the harmonisation of ATC training at the European level and follows Eurocontrol's Guidelines for ATCO for Common Core Content Training.

Without any doubt, the Training Centre with its first class-training facilities and top-level instructors contributes to a unique, positive and constructive learning environment.

ATC Training courses

The programme of our Training Centre consists of several packages of specific courses as listed below. Tailored courses meeting our customers' needs can be developed on request.

- Ab Initio (basic) Controller Training
- Rating Training Aerodrome VISUAL / INSTRUMENT
 Aerodrome (ADR) Radar
 Approach (APS) Radar
 En Route (ACC) Radar
- Team Resource Management (TRM)
- On The Job Training Instructor (OJTI)
- Instructor Courses
- Unusual events and refresher Training
- Operational Competency Assessment (OCA) Assessor Courses
- Team Leader Courses
- Training of Flight Data Simulator (FDS) Operators



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Meteorological Training courses

A variety of meteorological training modules are available but can also be developed on demand. Customer satisfaction is one of our prime objectives. Therefore specific courses tailored to the needs of our customers are always developed in close cooperation.

General Meteorology: This course is intended for airspace users and meteorology enthusiasts. It covers a wide range of topics which gives a good overview of 'how the weather works': wind and air pressures, identification of clouds, fronts and air masses, meteorological messages, turbulence, ice accretion, thunderstorms.

Meteorology for Flight Dispatchers: This short module gives a brief introduction on the concept of air mass, fronts and changing weather. It also focuses on correctly reading and interpreting weather radar images, METAR and TAF messages.

Aeronautical Meteorological Observer: This training is set up according to the guidelines issued by the World Meteorological Organization (WMO) and covers all the necessary aspects to train an aeronautical observer. It also comprises an extensive on-the-job training.

Aeronautical Meteorological Forecaster: The World Meteorological Organization (WMO) has issued guidelines on the training of Aeronautical Forecasters, which are closely followed by this training programme, which emphasises on the practical aspects of forecasting.

The Belgocontrol instructors all have an extensive operational experience.



Technical Staff Training courses

At Belgocontrol, technical training is totally compliant with the European Regulatory requirements for ATSEP (Air Traffic Safety Engineering Professionals). The technical training consists of basic training, qualification training, system training and refresher courses.

Safety Training courses

To continually promote and develop Safety Culture throughout all departments and services of our company, training sessions are organized on a broad scale. They are part of the Safety Strategic Plan implemented with the support of the Belgocontrol Safety Management Unit (SMU).



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