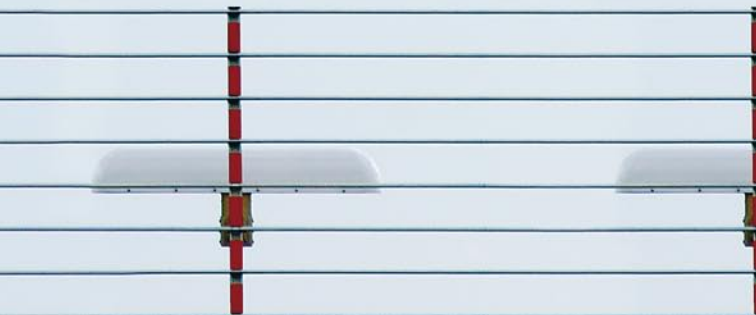


*Technical expertise
for air navigation safety*





Together with pilots, air traffic controllers and aircraft maintenance personnel, ATSEP constitute a vital link in the aviation safety chain.





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.

Belgocontrol provides civil aviation with all essential services in the following fields: air traffic management, communication, navigation and surveillance, pre-flight information, flight plan assistance, aeronautical and meteorological information as well as training of air traffic controllers. Some 900 staff work at 6 sites, 24 hours a day, 365 days a year.

In order to enable Belgocontrol to offer its services in the most efficient way, our company develops, installs and maintains high technological equipment and systems. This technical infrastructure constitutes an indispensable asset to ensure a safe and fluent air traffic within the most complex airspace of Europe.

To enable our success, some 200 **Air Traffic Safety Engineering Professionals** (ATSEP) help 24 hours a day in ensuring safety of air traffic in their domain, the air navigation technical services.



The fascinating world of air navigation technical services



To guarantee a safe flight to all airspace users in the air as well as on the ground, at the main Belgian civil airports (Brussels Airport, Antwerp, Charleroi, Liège and Ostend), the Belgocontrol Air Traffic Safety Engineering Professionals offer services in the following specific domains:

ATM Data Processing

The Belgocontrol data processing system located in CANAC, our national Air Traffic Control Centre, plays a key role in all our automated processes. It ensures the perfect integration and processing of the various data streams, the correlation between radar data and flight plans, as well as the display of all necessary data in an appropriate format on the screens of air traffic controllers. Belgocontrol also operates a sophisticated surface movement, guidance and control system at Brussels Airport in order to guarantee safe and optimal traffic flows at and around the airport.

Communication, Navigation & Surveillance systems

The huge amount of voice and data communication messages requires a solid infrastructure, high performing systems and networks. Reliable voice and data communication between air traffic controllers and pilots are of paramount importance to a safe and smooth air traffic handling. A private wide area network links all the Belgocontrol sites.

The most advanced navigation aids – including radio beacons and Instrument Landing Systems (ILS) – are located all over Belgium and at the airports to assist the pilots in their en-route navigation and to safely approach airports and land, also in conditions of low visibility.

Belgocontrol maintains a number of approach and en-route radars to determine the aircraft's position in the air and on the ground. For Brussels Airport, our technical experts developed an airport movement system connected to a network of ground radars and multilateration sensors.

Reliable and efficient air navigation systems and services

Meteorological systems

The operational processes of Belgocontrol's meteorological services are based on various systems and networks. The Met computer system (METSYSYSTEM) is used for the receipt, processing, recording and distribution of weather data. Ground sensors are installed at all Belgian airports and are used to permanently measure all relevant parameters of the atmosphere. Accurate and real time rain and cloud information is also collected and distributed thanks to the Belgocontrol weather radar covering the whole of Belgium.

Training simulators

The tower and radar simulators are the pride of the Belgocontrol Training Centre. These simulators of the latest generation are used to train air traffic controllers working for Belgocontrol or for other air navigation service providers. Belgocontrol ATSEP are responsible for the development, adaptation and maintenance of the state-of-the-art training infrastructure.





Safety of our systems – our prime target

Aviation safety is strongly dependent on technical services. That is why air navigation service technology is subject to very stringent requirements in terms of integrity, reliability and availability.

The availability of air navigation service technical equipment also depends on uninterrupted power supplies and air conditioning for the operational systems.

Within the framework of the Belgocontrol Safety Management System, technical activities are monitored by the Belgocontrol safety engineers, and this during all life cycle phases. Safety engineers regularly proceed to safety surveys as well as safety assessments to make sure that the underlying principles of our Safety Management System are permanently observed.

During the operational phase of the systems' lifecycle, the Belgocontrol Technical Watch Centre is in charge of CNS/ATM System Monitoring and Control. This encompasses all equipment and it includes monitoring, trouble ticketing and reporting. In case of system outages, ATSEP are available 24 hours a day, 365 days a year or are on standby duty to repair equipment and systems.

The sky within your reach ...

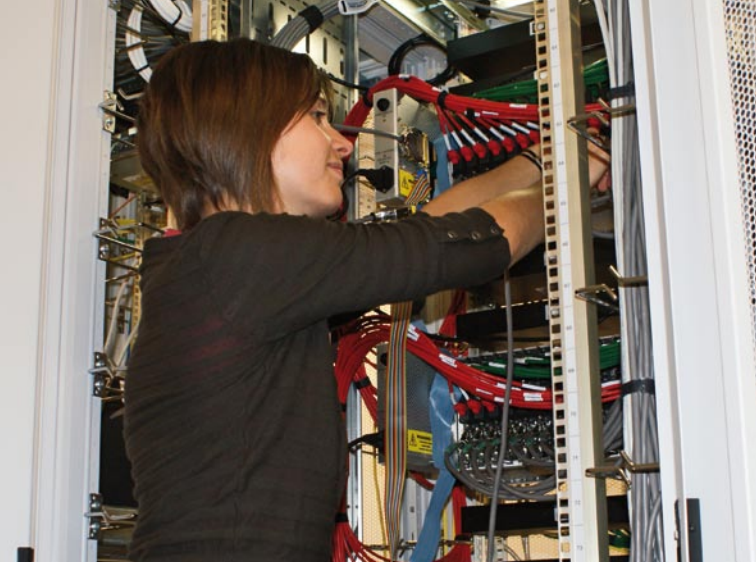
Belgocontrol constantly offers a whole range of career opportunities in its technical departments. By investing in Human Resources, we invest in our future.

Depending on the opportunities, Belgocontrol may either look for young bachelors or graduates from an appropriate college or university or for professionals who already have a considerable experience in a specific technical domain.

In addition to the required competences, ATSEP must also show high degrees of flexibility and organisational skills, be precise, be able to work autonomously but at the same time be a good team player.

Belgocontrol offers technical career opportunities in the following domains:

- study and planning
- project management
- development
- testing, installing and commissioning
- preventive and corrective maintenance
- modifications, upgrades and continuous improvements
- safety assessments



A technical career at Belgocontrol

Our range of activities extends from in-depth theoretical studies to airborne calibrations of navigation and radar facilities and centralised systems monitoring within an operational control centre. But depending on their particular specialist skills, ATSEP may often be found intervening on equipment in the field too.

Later on in their careers, many of the air navigation service technicians and engineers move into management or consultant positions. They may then be in a position to represent Belgocontrol's interests in international boards.

Belgocontrol wants to enhance the skills of its personnel by creating a pleasant and motivating working environment based on the development of the personal competences of all its employees; women and men thanks to whom our mission is successful every day.

Investing in the future of Belgocontrol and its staff is not possible without investing in training. That is why Belgocontrol provides continuous training in every field and at every level of the company.

A significant part of the training is provided in-house, by our own instructors, in the perfectly suited infrastructure of the Belgocontrol Training Centre which is located at the operational site near Brussels Airport.

Going international

Belgocontrol, even more so than other air navigation service providers, deals with a busy and complex airspace. It is also convinced that the expected growth of air traffic implies an increased international cooperation. That is why it is supporting and preparing from the very beginning the initiative of the Single European Sky. This initiative recommends among others a reorganisation of the airspace and a harmonisation of technologies.

Technology evolves quickly. Thanks to its high-quality technical experts, Belgocontrol strives to be one of the front runners and closely follows the development of the European programme for the harmonisation of technological systems, SESAR (Single European Sky ATM Research).

Belgocontrol also played a proactive role in the FAB EC (Functional Airspace Block Europe Central) feasibility study together with its colleagues in France, Germany, Luxembourg, the Netherlands and Switzerland and committed itself to participate in its successful implementation.

Belgocontrol will continue to follow the European and international evolutions closely, share its technical know-how with all actors concerned and thus maintain its position as a reliable partner in the European ATM network.

Today's excellence in service provision, strategy view and international cooperation constitutes the best foundation for a promising future.



For more information

Belgocontrol

info@belgocontrol.be

www.belgocontrol.be

Belgocontrol

Tervuursesteenweg 303

B-1820 Steenokkerzeel

Tel. +32 2 206 21 11

Fax +32 2 206 22 88

