



we look up
to the sky

all our experience
at the service of air traffic control





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Managing Italian air traffic. Ensuring safe and timely travel for millions of people.
Providing expert training and developing leading edge technologies. Continuing
to demonstrate Italian excellence. Providing services and solutions around the globe.
That is what looking up means for us.



the enav group
looks up

We have been providing air traffic control services on Italian skies for 30 years, guaranteeing safety, efficiency and punctuality. We manage over **1.9 million flights** a year, 24 hours a day. We achieve this by continuing to pursue our goals, improving our services and constantly affirming **Italian excellence** in the world.

Our mission



01/ To guarantee safety and punctuality for the millions of passengers flying in Italy's skies.



02/ To contribute to the growth of national and international air transport based on efficiency and innovation.



03/ To build an increasingly customer oriented strategy.



What does sustainability mean for ENAV? First of all it means guaranteeing safety to all passengers who fly within our airspace while enabling airlines to fly the most efficient routes in order to decrease flight times, increase punctuality and reduce CO₂ emissions.

Being sustainable also means listening to our stakeholders, managing their expectations and developing a business model that creates shared value for the entire country-wide system.

These are the reasons why ENAV has decided to go beyond the legal obligations concerning sustainability, developing its own Sustainability Report in accordance with the GRI core (Global Reporting Initiative), setting up a Sustainability Committee within its Board of Directors, incorporating sustainability objectives in the management incentive scheme of the Company and defining the guidelines for sustainable development in a three-year plan which, through the implementation of policies and projects, will be able to integrate a sustainable business model, throughout the value chain, in accordance with the 17 United Nations SDGs.



The ENAV Group consists of ENAV S.p.A., Techno Sky, ENAV Asia Pacific, ENAV North Atlantic and ESSP.



ENAV controls a 100% stake in Techno Sky, a logistics and maintenance company that ensures the full efficiency and seamless availability of the ATC plants, systems and software used in Italy.



ENAV Asia Pacific, based in Kuala Lumpur, provides management and consultancy services for air traffic control. The company's location in South-East Asia makes it a reliable partner for all the companies, organizations and institutions in the area.



Through ENAV North Atlantic, with its headquarters in the United States, ENAV holds 11% of the share capital of **Aireon**, the Company which handles the planning, funding and installation of the first global satellite surveillance service for air traffic control.



D-flight is the first public-private partnership created by ENAV and its partners for the timely development and deployment of U-space, in order to safely and seamlessly integrate complex drones operations within the civil aviation airspace. The company is controlled by ENAV, with a 60% stake, with the remainder of the share capital held by a group of leading Italian technological partners.



With a 16.6% stake in the Company, ENAV provides the European satellite navigation service EGNOS.



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Committed to sustaining the environment, thanks to the constant optimisation of the routes which reduces aircraft consumption and to the utilization of alternative energy sources which increases infrastructure efficiency.

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the enav group
activities

In order to guarantee **safety** and **punctuality** to the millions of passengers who fly in Italian skies, we strive to continuously improve.

That's how we confirm our position as a **global leader** in air navigation services.

/ Airspace Design

We are committed to continuously improve the efficiency of flights, organising and planning a national flight path network in compliance with international and environmental standards.

Thanks to our Flight Efficiency Plan (FEP) and, in particular, to the Free Route Project, we enabled airlines to achieve not only economic savings, but a remarkable reduction of CO₂ emissions.

/ Air Traffic Control

We manage all the phases of flight of an aircraft, ensuring the en-route service through the 4 radar control centres and providing approach, take-off and landing services in our 45 control towers located throughout the country.

THE "FREE ROUTE" PROJECT GENERATED A LOWER CO₂ IMPACT OF 135 MILLION KG

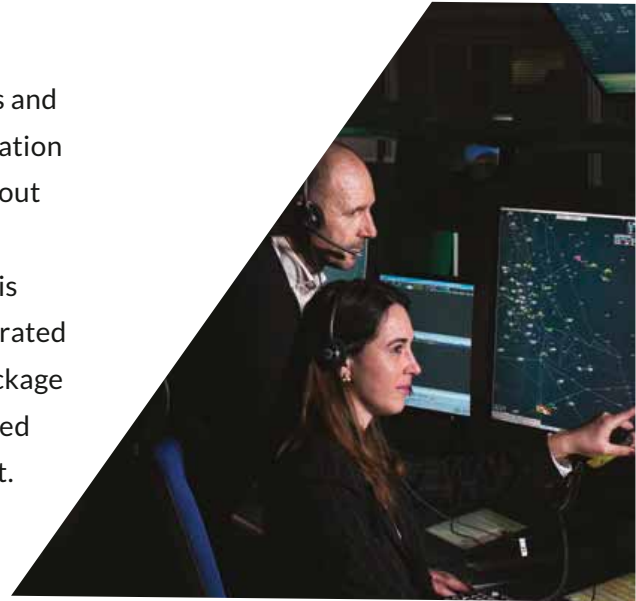


/ Meteorology

We provide weather conditions observations and forecasts, issued in real time on international networks and through telecommunications. From our airport weather stations we issue hourly or half-hourly bulletins, and weather messages for synoptic meteorology according to the standards of the World Meteorological Organisation (WMO).

/ Aeronautical Information

We provide the Aeronautical Information Services to pilots and flight crew, with the dissemination and updating of data throughout Italy. The flight information essential for flight personnel is distributed through the Integrated Aeronautical Information Package (IAIP) and can also be consulted on our official website: enav.it.



9/24/30
hours of forecast validity



60/30
minute intervals
for the issue of bulletins

We are able to measure:



Wind



Temperature



Humidity



Visibility



Cloud conditions



Precipitation





Our **goal** is to improve the capacity and performance of the **international** system of flight navigation services, with constant enhancement of the levels of efficiency, **safety** and overall quality of the service.

/ Flight Inspection

Thanks to our advanced fleet consisting of 4 Piaggio P180 Avanti II aircraft, we guarantee the constant control of national radio assistance that provides pilots with exact information as to the location of the aircraft.

The continuous verification of the accuracy of the radio signals enables air transport personnel to fly with the maximum safety. Our aircraft, specially equipped and exclusively dedicated to flight control activities, enable us to make checks without using special equipment installed on the ground and obtain real time results. Our expert fleet guarantees and offers high level performances to international customers.

/ Engineering and Maintenance

We provide the design, installation and operation of all the technological infrastructure needed for flight assistance. The design activities are integrated with processes for standardisation and development on the international level, and with numerous joint projects with other service providers. Our subsidiary Techno Sky provides the services related to the management and maintenance of air traffic control equipment and systems. Our operational facilities are manned round the clock by Techno Sky engineers who ensure full operation.

/ Research and Innovation

We have long been active in the field of research and innovation in the air traffic control sector. These activities are focused on the European level in the SESAR, Single European Sky ATM Research. In close coordination with the European Commission, we participate in numerous projects for the definition and verification of new operational concepts, technologies and systems, in order to improve the capacity and performance of the international flight navigation services system.

/ Training

We are the only company in Italy authorised to select, train and update the various professional profiles operating in the services for civil air traffic control. The ENAV Academy provides a high level of specialised training, providing both initial training and ongoing updates to personnel, in addition to providing support to instructors and teachers. The Academy's training offerings are targeted at the professional figures connected with air traffic control, as well as resources requiring training in the flight navigation sector. Our Academy offers and delivers an extensive range of international training courses within the ATC field.

Academy: key numbers

- 1/ Conference room (seating capacity of 200)
- 2/ Radar simulation rooms (24 stations in 12 suites)
- 1/ Procedural simulation room (8 stations in 4 suites)
- 8/ 3D 270° tower simulators
- 1/ CRJ certified flight simulator
- 7/ PTT (Part Task Trainer) workstations



The range of ENAV business offer:



Aeronautical consulting and design

We supply excellence. Our expertise and knowledge in custom-made solutions, with state of the art technology, are perfect for both a specific airport and the whole Air Traffic Control infrastructure.



Flight inspection

We provide safety. With our high quality and innovative Flight Inspection services, we ensure unequalled standards reducing flight times.



Training

We cultivate passion. Through our own Academy, we generate some of the top international expert air traffic controllers and engineers in the sector.



Maintenance and engineering

We deliver efficiency. ENAV specializes in enhancing development, integration, installation and maintenance processes for the Air Traffic Control Systems.



Met services

We see the future. Our know-how and expertise in aviation meteorology enable us to deliver services and solutions all along the Meteorological data management value chain.

/ Services and Solutions

Know-how and excellence in air traffic management are our calling card. We are a reliable partner for our international customers. Thanks to constant commitment, supported by continuous investments in technological systems, we have achieved significant operational results, becoming a point of reference worldwide. This experience and these results have led to the development of the range of services offered by ENAV, where professional skills, experience and technology form the basis for a global offering of high value services.

/ International Activities

We are one of the main service providers at the European and international level. In Europe, we actively participate in cooperation agreements, partnerships and multilateral programmes; we are an integral part of the initiatives promoted by the European Commission, EASA and EUROCONTROL. On the international level, we are involved in a series of industrial partnerships, and play a fundamental role in the ICAO (International Civil Aviation Organisation) and CANSO (Civil Air Navigation Services Organisation).



NDB VOR/DME
Ostia
OST 327.00
114.90 Ch 96X

ALMA 1E
067° > 17.6
MEAS 5000

051° > 14.4

IAS 230 K

Our offer your strenght That's why we keep looking up to the sky



Strong passion, continuous innovation and total commitment ensure our position as a global leader in air navigation services. Today and for years to come. ENAV. Leader in providing services and solutions.



NETUN



10
15.77° > 15
1D (ATC discretion)
MEAS 5000

MEAS 5000
4.7
D18
LAT

2500

397

R

Every day **we manage** the skies with the best professional staff and the most advanced technologies. This is why we have become one of the leading companies in air traffic management and control **worldwide**.

45



Control towers

4



Area Control Centres

732,000 Km²



Managed airspace

1.97 mln



Flights controlled (2018)

6,839



Peak flights managed in one day (July 2018)

4,181



Employees





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