



ENAIRe upgrades its navaid system at the Ibiza Airport with cutting-edge technology

- The new VOR/DME installation provides guidance and distance information to aircraft on approach to the airport
- It required an investment of 744,000 euros

Madrid, 26 July 2022

ENAIRe, Spain's national air navigation service provider, has placed into service a new VOR/DME system at the Ibiza Airport. This navaid, through its cutting-edge technology, provides guidance and distance information, offering support for arriving and departing aircraft at the Ibiza Airport and Balearic Islands.

ENAIRe upgraded this VOR/DME system, whose identifier is "IBA", as a preventive measure in anticipation of the end of its useful life, given that it has been in service since 1998. The amount invested was 744,000 euros.

The model installed is widely used worldwide and meets the most demanding standards of European aviation and the International Civil Aviation Organization (ICAO). It also incorporates the latest technological features for optimum operation and ease of maintenance.

In addition, given the location of this VOR/DME at the edge of the airport runway, and in compliance with ICAO Annex 14 and Doc. 9157 part 6, frangibility criteria were applied by building a new equipment shed and a support structure for the radiant antenna made of polyester reinforced fibreglass with breakaway joints. This is the most relevant project aimed at complying with the airport's certification requirements.

Nav aids

Nav aids are systems that provide information on the aircraft's position by means of radio signals, as well as guidance signals during different phases of

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flight. These signals allow aircraft to obtain on-board navigation information to streamline operations between airports.

VOR (*Very High Frequency Omni-directional Range*) devices emit a signal that allows pilots to determine their angular position with respect to the station. The other component of the navaid, called DME (*Distance Measurement Equipment*), provides information on the distance of the aircraft to the ground station. As a result, a pilot tuning in to the navaid can determine the position of their aeroplane and which direction to fly in to start the approach to the corresponding airport.

About ENAIRe

ENAIRe is the air navigation service provider in Spain.

As a company of the Ministry of Transport, Mobility and the Urban Agenda, it provides en route control services for all flights and overflights from five control centres in Madrid, Barcelona, Seville, Gran Canaria and Palma, as well as approach services to every airport in the country.

In addition, 45 control towers receive ENAIRe's communication, navigation and surveillance services, and 21 airports, including the country's busiest, rely on its aerodrome control services.

ENAIRe is Europe's fourth largest air traffic manager. Since 1 January 2022, it has chaired the A6 Alliance, a coalition of air navigation providers responsible for over 80% of European air traffic, and which is seeking to modernise the air traffic management system. It is also a member of other international alliances promoting the Single European sky, such as SESAR Joint Undertaking, SESAR Deployment Manager, iTEC, CANSO and ICAO.

ENAIRe, as the agency appointed by the Ministry of Transport, Mobility and Urban Agenda to implement the U-space system in Spain, will be the provider of the Common Information Services (CIS), which are essential for administering U-space services to drones and Urban Air Mobility, in interaction with local air traffic control services, so that all types of aircraft can fly safely in the same airspace.

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ENAIRe has received the highest score in Europe on the aviation safety key performance indicator. It has also been awarded the EFQM 500 Seal for its safe, efficient, innovative and sustainable management of air navigation services.

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