



ENAIRe allocates 12 million euros to create a service and monitoring centre for its network

- ENAIRe's future SYSRED H24 centre will result in improved capacity management and greater efficiency thanks to the automated analysis of information
- The integration of data will aid in making decisions on air traffic in Spain and favour the fluid exchange of information with EUROCONTROL
- Moreover, the real-time study of incidents and indicators will provide for a safe and efficient response in crisis situations

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ENAIRe, the company of the Fomento Group that manages air navigation in Spain, will invest 12 million euros in technology and equipment to build a cutting-edge centre to oversee the operation of its network. The tender, published in the Official State Gazette, is for 11,986,420.73 euros (excluding taxes).

This building, which will be located on the grounds of ENAIRe's Air Control Centre in Madrid, will house the service centre that will monitor the operation of ENAIRe's network: SYSRED.

The development of this SYSRED project, known as the EYWA system, is included in ENAIRe's strategic plan, Flight Plan 2020, which aims to further innovate in the management of data, indicators and situations, to provide an overview of operations.

ENAIRe plans to build an integrated service and monitoring room for its H24 network, including a crisis room and a system that will incorporate intelligence into the SYSRED integrated room. This space will have the technological means and the capacity to offer an optimal response to users of the information.

SYSRED H24, the unit responsible for the service, has designed the EYWA system to rely on big data and machine learning, the goal being to transform data into information and information into knowledge, thus optimising organisational processes and decision-making. This project will

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enhance efficiency and productivity by improving the management of complex situations, facilitating decision-making to reduce the impact of incidents.

As part of this new service, coordination processes with external agents will be improved, especially the entire information flow with the European Network Manager (EUROCONTROL), which will benefit from new procedures and information processing at the network level.

Thanks to the business intelligence concept, a continuous analysis flow of indicators and data will be generated that will improve ENAIRe's service, with the thorough digital transformation of work processes. ENAIRe's EYWA project also contributes to safety by providing and displaying reliable information during contingency and crisis situations, helping to optimise air capacity management and maintain service continuity.

EYWA will contribute to the goal of transparency and good governance by providing information that was previously unavailable to employees, other users and external clients. The creation of this centre will help to integrate ENAIRe into the European air traffic network by promoting the generalised management of the continent's network capacity.

To provide the service at this ENAIRe centre, there is a group of highly specialised professionals helping: engineers, operations technicians, maintenance technicians, support and technical assistance staff from other companies, who oversee the global operation of ENAIRe's network 24 hours a day, 365 days a year, all in real time.

This ENAIRe centre will entail a major transformation of the current SYSRED H24 service, ensuring that the status of the ENAIRe network will be constantly monitored by providing centralised network services, guaranteeing a single source of data and maximising task automation. This will thus increase the quality and efficiency of the service, which will rely on better coordination and communication with real-time management of information on the status of ENAIRe's network.

About ENAIRe

ENAIRe is the company belonging to the Public Works Department that provides air navigation services in Spain. It renders aerodrome control services at 21 airports, including the busiest in terms of air traffic, plus en-

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route and approach control, from five control centres: Barcelona, Madrid, Gran Canaria, Palma and Seville.

In 2018 ENAIRE handled 2.1 million flights to and from four continents (Europe, America, Asia and Africa), transporting 300 million passengers. ENAIRE has managed 1,238,633 flights so far this year, 4% more than in the same period in 2018.

ENAIRE is the fourth most important European air navigation service provider, and, in a clear commitment to the Single Sky initiative, belongs to international partnerships such as SESAR (Single European Sky ATM Research) Joint Undertaking, SESAR Deployment Manager, A6, iTEC, CANSO (Civil Air Navigation Services Organisation) and ICAO (International Civil Aviation Organization).