

## **PANSA AND INDRA, SET TO WORK TOGETHER ON THE DIGITALISATION OF AIR TRAFFIC MANAGEMENT SERVICES**

- **They've signed a Letter of Intent to develop solutions to improve the efficiency and sustainability of European air transport**
- **PANSA and Indra will furnish the future control centre in Poznan with the next version of the iTEC system, which will introduce the use of virtualisation and private cloud technologies to ensure safer and more efficient flying**
- **As a specialist in airspace and traffic flow management, PANSA will also contribute to the development of the requirements, architecture and testing of the future integrated Network Management (iNM)**

**Madrid October 26, 2021.-** PANSA, Poland's air navigation services provider, and Indra, one of the leading global technology and consultancy companies, have signed a Letter of Intent establishing the framework for cooperation between the two organisations to further promote the digitalisation of air traffic services.

The agreement will accelerate the achievement of the objectives set by the European Union for the digitalisation of the Single European Sky, which are aligned with those of the SESAR programme. The introduction of these technologies will lead to safer, more efficient and sustainable flying while enhancing the resilience of the air traffic infrastructure.

Adding up to the agreement, PANSA will contribute, as a specialist in air traffic management and flow, to defining the operational requirements, architecture, design and testing of the components of EUROCONTROL's future integrated Network Manager (iNM) system.

This system plays a critical role in coordinating a network of 68 major air traffic control centers and more than 500 European airports, which serves more than 6,600 airlines and other European airspace users each year; until the pandemic hit, it supervised an average of 30,000 flights a day, 11 million a year.

Indra leads the evolution of the iNM system, increasing its readiness to overcome the challenges set to face air navigation in the coming years. Its modernisation will facilitate more accurate flight planning to increase capacity while reducing costs and emissions.

PANSA and Indra have been working in close cooperation for a number of years, addressing the comprehensive modernisation of Poland's air traffic management and deploying automation systems in the control centres, towers and radar surveillance systems that cover the entire country.

PANSA is also one of the partners of the iTEC Alliance, for which Indra is the technological provider. This alliance, formed by DFS (Germany), ENAIRE (Spain) and NATS (UK) and later joined by PANSA itself (Poland), and the air navigation services providers LVNL (the Netherlands), Oro Navigacija (Lithuania), and Avinor (Norway) is working on the development and deployment of the iTEC new-generation traffic management system, which is one of the key components for the construction of the Single European Sky.

Following the implementation of the initial version of the iTEC system in control centres in Germany United Kingdom and Lithuania, PANSA will now be the first navigation service provider to implement iTEC V3, the next version of the system.

This new version V3 will enter service in 2024 in PANSA's future contingency air traffic control centre in Poznan, which will be ready to take over control of other centres if so required. iTEC V3 will be built on architecture based on Virtualised Data Processing Centres, running in the Private Cloud and incorporating

new digital and automation tools as they are validated. Its implementation will herald a new era in air traffic management that will bring major benefits in terms of safety, efficiency and sustainability.

### **About Indra**

Indra ([www.indracompany.com](http://www.indracompany.com)) is one of the leading global technology and consulting companies and the technological partner for core business operations of its customers world-wide. It's a world leader in providing proprietary solutions in specific segments in Transport and Defence markets, and a leading firm in digital transformation and Information Technologies in Spain and Latin America through its affiliate Minsait. Its business model is based on a comprehensive range of proprietary products, with a high-value focus and with a high innovation component. In the 2020 financial year, Indra achieved revenue of €3.043 billion, near 48,000 employees, a local presence in 46 countries and business operations in over 140 countries.

### **About the Polish Air Navigation Services Agency**

Polish Air Navigation Services Agency ([www.pansa.pl](http://www.pansa.pl)) ensures safety of passengers in thousands manned flights over Poland, and coordinates thousands of 400 000 submitted drone flights in the PANSU UTM system. Poland has one of the biggest airspace in Europe: over 334,000 km<sup>2</sup>. Almost 1,000 000 overflights, approaches, take-offs and landings in 2019 were supervised by nearly 600 air traffic controllers employed at PANSU, as well as almost 260,000 General Aviation flights under watch of the Flight Information Service (FIS).

PANSU provides Flight Inspection Services for monitoring the proper operation of ground-based navigation aids, as well as validation of flights procedures from the air. PANSU also builds and develops systems for efficient planning and management of airspace: PANSU UTM – system for UAV flight coordination and drone flight plans management, CAT (Common Airspace Tool) – that ensures efficient management of airspace structures, PANDORA – that supports air traffic controllers and other operations personnel with the wide spectrum of a real time aeronautical data, TRAFFIC (Track Advisor for Flight Information Concerns), which provides the ATM system information from manned flight plans.