



## ASECNA AND INDRA TO ENHANCE LANDING SAFETY WITHIN 17 AFRICAN AIRPORTS

- ASECNA, an intergovernmental organization providing air navigation services to 17 countries in Africa, has awarded Indra a contract to renew air traffic navigational aids for 15 million euros
- Indra's technical expertise in instrument landing systems was key for securing the contract that emphasizes the company's strong market position within air navigation systems

**Madrid, January 9, 2023.-** Indra, a leading global technological engineering company for the aerospace, defence and mobility sectors, has been awarded a major contract for the supply and installation of air navigation systems in Africa for 15 million euros. The company will deliver its Normarc instrument landing system (ILS) and distance measuring equipment (DME) to 17 airports in 12 countries, all operated by ASECNA.

As a turnkey project, Indra is responsible for delivering hardware, installation, commissioning, and training. Deliverables include 12 DMEs, 18 localizers and 14 glide paths, the two latter being the basic elements of an ILS. Indra will also provide navigational aids to ASECNA's Maintenance Laboratory in Senegal and conduct comprehensive technical training of Air Traffic Safety Electronic Personnel (ATSEP) both in factory and on site.

Indra is a global leader within navigational aids and is widely recognized for its technical competence and professional customer service. This was key in securing the contract for ASECNA.

"We have extensive experience with Normarc aids to navigation. The systems are known to be very robust and reliable. In some airports, we have had the systems in operation for more than 20 years", comments Mohamed Moussa, Director General of ASECNA. "Access to Indra's technical expertise through the test benches installed in its NAV maintenance laboratory and the educational platforms for practical training for the delivery of ATSEP qualifications, are also of great added value for us. We know that we can continue to benefit from the necessary support in the long term."

"We are a leading supplier of ILS and DMEs to the world's airports, but this contract is something special. The scope of deliverables is huge. It is also the first time we take end-to-end responsibility of the installations for ASECNA. We are delighted to be trusted once again by our longtime partner." comments Eldar Hauge, CEO of Indra's subsidiary in Norway.

ILS and DME are radio navigation systems that guide aircraft safely to the ground during landings. An ILS provides the aircraft with lateral and vertical guidance to the runway. The DME measures the distance between the aircraft and the runway threshold. Indra will implement its system in different airports in Benin, Cameroon, Congo, Ivory Coast, Gabon, Equatorial Guinea, Madagascar, Mauritania, Chad, Togo, Burkina Faso and Senegal (DTI Training centre).

### About ASECNA

ASECNA provides air navigation services within an airspace of 16.5 million sq. km, divided into six flight information regions covering its Member States Benin, Burkina Faso, Cameroon, Central African Republic, Comoros, Congo, Côte d'Ivoire, France, Gabon, Guinea Bissau, Equatorial Guinea, Madagascar, Mali, Mauritania, Niger, Senegal, Chad and Togo.

In the field of air navigation equipment's, ASECNA is responsible for defining specifications relating to functions, systems and means, for carrying out the study, definition of technical specifications, purchasing, acceptance, installation, technical verification, maintenance in operational condition, to the operation of conventional equipment and installations such as ILS, DME, and VOR.



ASECNA is also preparing the transition to satellite navigation systems through its ongoing satellite-based augmentation system so called ANGA (that mean sky in SWAHILI language), aim to enhance SBAS services for all phases of flight, from en-route down to precision approaches, and surveillance operations as well, as providing a source of position for terminal and surface surveillance.

**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 is a world-leader in providing proprietary solutions in specific segments in Transport and Defense 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 2021 financial year, Indra achieved revenue of €3.39 billion, more than 52,000 employees, a local presence in 46 countries and business operations in over 140 countries.