

LONDON HEATHROW TO USE NEW GENERATION A-SMGCS FROM INDRA

- **Indra's next generation systems will play a key role managing the busiest airport in Europe and one of the main *hubs* in the world**
- **NATS has awarded an upgrade of London Heathrow's A-SMGCS to Indra Navia and their latest InNOVA system for surface movement**
- **New features include improved tracking and display features, and the capability of expansion with new SESAR functionality such as advanced ground safety nets.**
- **To ease operations and maintenance, Indra Navia will also merge the airport's tower display and surface movement systems into one integrated system**

Asker (Norway), July 3, 2018.- NATS has awarded Indra, through its Norwegian subsidiary Indra Navia, the contract to supply London Heathrow Airport with their latest generation InNOVA product for Advanced Surface Movement Guidance and Control (A-SMGCS).

London Heathrow has been a user of Indra Tower systems since the early '90s. Currently there are four separate Indra systems installed at Heathrow; a tower display and surface movement system at the control tower, and separate systems at the Virtual Contingency Facility (VCF).

NATS' Director of Supply Chain Tim Bullock said: "I am delighted that our strategic partnership has resulted in this award to Indra. It is the result of the long track record of collaboratively working together in the development and deployment of systems supporting the delivery of our services to our customers."

The new InNOVA Ground system replaces the current surface movement system with new generation hardware, radar extractors and processors. It also provides the latest software with improved tracking and new display features. The system is capable of expansion with new SESAR functionality, such as advanced ground safety nets and integration of other tower functions.

Indra Navia will also re-configure the airport's current systems such that instead of being four separate systems, there will be two fully integrated systems. These two systems will be installed in the Heathrow VCR (Visual Control Room) and the VCF, respectively, easing operations and maintenance.

About Indra Navia

Indra Navia designs, produces, and integrates cutting-edge communication, navigation, and tower systems for the world's leading airports and air traffic control organizations. Specializing in highly customized solutions, the company delivers outstanding long-term value under the most demanding conditions. More than 1200 airports around the world rely on GAREX, NORMARC and InNOVA for its reliability, proven track-record and low lifecycle cost. Indra Navia is based in Norway and is a wholly owned subsidiary of Indra.

About Indra

Indra is one of the world's top technology and consulting companies and a technology partner for the key operations of its clients' businesses worldwide. It is a leading worldwide provider of proprietary solutions in niche areas in the Transport and Defense Markets and the absolute leader in IT in Spain and Latin America. It offers a comprehensive range of proprietary solutions and cutting edge services with a high added value in technology based on a unique culture of reliability, flexibility and adaptability to the needs of its customers. Indra is a world leader in the development of end-to-end technology solutions in fields such as Defense and Security, Transport and Traffic, Energy and Industry, Telecommunications and Media, Financial Services, Electoral Processes, and Public Administrations and Healthcare. Minsait is Indra's digital transformation

business unit. In 2017 Indra posted a revenue of €3,011m, employed 40,000 professionals, and had a local presence in 46 countries plus sales operations in more than 140 countries.