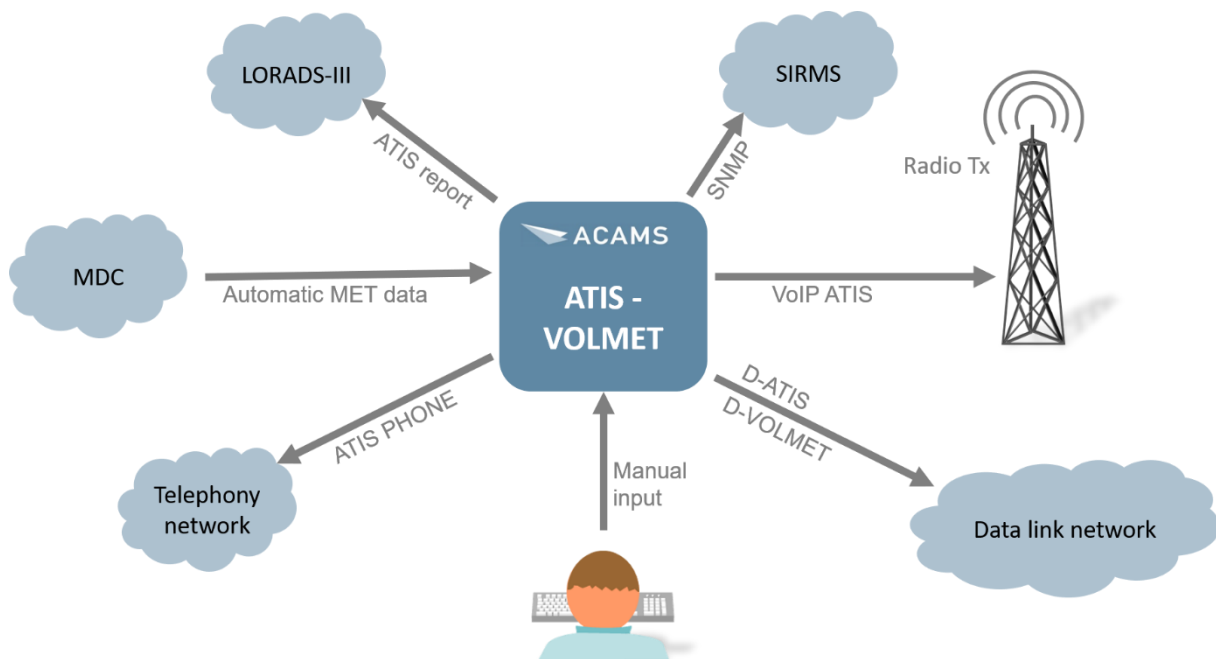


INFORMASJON FRA ATM NORGE

Nyhetsbrev juli/august 2018

Nytt fra ACAMS AS:

ACAMS to supply its largest ATIS/VOLMET system ever, to be delivered to Changi Airport, Singapore.



ACAMS is proud to announce the award of a prestigious contract, for the supply, installation and commissioning of a new ATIS (Automatic Terminal Information Service) System by the Civil Aviation Authority of Singapore (CAAS). The contract is in a consortium with a local Singapore company; Hostech Pte Ltd.

This new ATIS System will be the largest and most advanced system ever supplied by ACAMS, serving one of the world's busiest airports once commissioned and put into operations in 2nd quarter, 2019.

The ATIS System will be integrated to the CAAS existing Air Traffic Management Systems, Datalink Network and Communications Systems.

The proposed ATIS System is fully redundant and capable of operating on separate frequencies for various Changi Airport ATIS messages and Seletar Airport ATIS messages. The centrepiece of the System is the Human Machine Interface (HMI) engine. The intuitive and user-friendly HMI is expected to aid operators to complete their tasks, with smart menus and highly configurable windows.

Nytt fra Indra Navia AS:

London Heathrow to use next generation A-SMGCS from Indra Navia

NATS has awarded Indra Navia the contract to supply London Heathrow Airport with their latest generation InNOVA product for Advanced Surface Movement Guidance and Control (A-SMGCS). With this contract, Indra Navia's systems will play a key role managing the busiest airport in Europe and one of the main hubs in the world.



Photo: Indra Navia

London Heathrow has been a user of Indra Navia's tower systems since the early '90s. Currently they have four separate systems installed at Heathrow; a tower display and surface movement system at the control tower, and separate systems at the Virtual Contingency Facility.

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.

Indra Navia sponsors the Arctic Drone Event



Can drones be a tool to save the planet?

Drones are already used for environmental purposes, and September 18 to 19th, air traffic management experts, drone operators and environmentalists will gather at Svalbard to discuss how a wider usage of drones can facilitate global efforts aimed at protecting the environment.

Indra Navia supports this important work. We are proud to sponsor the Arctic Drone Event and contribute with our competence within air traffic management.

In keeping with its earlier pledge to address Remote Control Air to Ground (RCAG) communication challenges in the nation's upper airspace, the Nigerian Airspace Management Agency (NAMA) has deployed two Jotron high-powered VHF radios, at Lagos West and Lagos East Area Control Centres (ACCs).

The installation culminated in the successful Site Acceptance Test (SAT) carried out by NAMA engineers in conjunction with their counterparts from Norway-based Jotron AS. Speaking during the SAT, Fola Akinkuotu, NAMA managing director, said: "In accordance with ICAO regulations, it is incumbent on ANSPs like NAMA to facilitate safe airways, safe separations and also provide critical fall-back plans for airspace users and that is the essence of this project." He described the stand-alone radios as "a robust solution for emergency/backup coverage in unexpected circumstances", such as when there were technical failures or during routine maintenance of the main RCAG system. Roger Svendsen, the Jotron project manager, said that the back-up communication system has proved to be highly reliable and efficient in African countries like Ghana, South Africa, Kenya and Namibia as well as in Europe and South America where it has been installed. #1076.ATC8

Serco, together with Norwegian technology firm Kongsberg Defence & Aerospace, have signed an agreement to address the increasing demand for air traffic control services in the UK.

Under the terms of the strategic collaboration agreement, Kongsberg will deliver its 'Ninox' Remote Tower (RT) and Remote Virtual Tower (RVT) technology. The air traffic control system is currently procured by Norwegian state-owned company Avinor ANS. The solution will be deployed across 15 Norwegian airports by the end of 2021 with an option of an additional 21 airports. The system requires low bandwidth to operate, which allows long-distance transmissions over multiple sites. The high situational awareness, along with the integrated tower display system, offers the ATC with access to all tower functions through a single, user-friendly workspace. Designed to function in extreme environments, the system will also support future enhancements and development with its network security and a true service-oriented architecture (SOA). Serco Defence managing director, Paul McCarter, said: "There are over 190 airports and airfields in the UK and much of the supporting ATC infrastructure is outdated and due to be renewed in the next few years. Our agreement with Kongsberg presents a great opportunity to bring world-class innovative technology to the UK and combines two companies with world-leading expertise." Serco will share its experience and understanding of UK Government procurement, along with its global expertise in aviation services and the provision of international Air Navigation Services in the UK, US and Dubai. The combined Kongsberg-Serco solution will support the concurrent provision of air traffic services that can provide for either an onsite, virtual solution for a single airport or a solution for multiple airports. The Serco and Kongsberg teams hope to deliver very low maintenance costs and total cost of ownership as a result of the collaboration. #1077.ATC3

Aalborg Airport (AAL) in Denmark has recently started to operate with a new ILS from Indra's Norwegian subsidiary, Indra Navia, and has been upgraded to a CAT III airport. This is an important step in improving flight efficiency at AAL, which ranks as Denmark's third most busy airport. The project was a joint venture between Aalborg Airport, Danish ANSP Naviair, and Indra Navia. Indra Navia delivered their NORMARC 7000 ILS system as well as DME. "The installation process has run smoothly, and everyone has put great efforts into the project. We look forward to seeing the results, as this will greatly improve the air traffic efficiency in and out of Aalborg", said Søren Svendsen, CEO of Aalborg Airport. "Upgrading to CAT III with our NORMARC 7000 means fewer delays, reduced carbon footprint and more satisfied passengers," said Hans Christian Guren, Navigation Director at Indra Navia. -- Aalborg Airport has previously held Category II and I classifications. #1075.ATC2

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

LHR has been a user of Indra Tower systems since the early 1990s, and there are currently 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).

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. #1076.ATC3

In keeping with its earlier pledge to address Remote Control Air to Ground (RCAG) communication challenges in the nation's upper airspace, the Nigerian Airspace Management Agency (NAMA) has deployed two Jotron high-powered VHF radios, at Lagos West and Lagos East Area Control Centres (ACCs).

The installation culminated in the successful Site Acceptance Test (SAT) carried out by NAMA engineers in conjunction with their counterparts from Norway-based Jotron AS. Speaking during the SAT, Fola Akinkuotu, NAMA managing director, said: "In accordance with ICAO regulations, it is incumbent on ANSPs like NAMA to facilitate safe airways, safe separations and also provide critical fall-back plans for airspace users and that is the essence of this project." He described the stand-alone radios as "a robust solution for emergency/backup coverage in unexpected circumstances", such as when there were technical failures or during routine maintenance of the main RCAG system. Roger Svendsen, the Jotron project manager, said that the back-up communication system has proved to be highly reliable and efficient in African countries like Ghana, South Africa, Kenya and Namibia as well as in Europe and South America where it has been installed. #1076.ATC8

SESAR Deployment Manager and the European Space Agency (ESA) have signed a memorandum of cooperation (MoC) marking the start of the collaboration between the two organisations.

The MoC will see them coordinate over the deployment of the satellite-based communication system (Iris) and SESAR Deployment in Europe. A special focus of the cooperation will be on the use of satellite and Iris as a complementary datalink air-ground communication technology.

Iris is currently undergoing flight trials which are meeting their technical objectives. This demonstrates that ESA is on track for Iris to deliver an initial service in 2020 as a result of the current contract in place. Signing the MoC sets out the basis for efficient cooperation between SESAR Deployment Manager and ESA as both organisations address their respective responsibilities on the deployment of SESAR and the satellite-based communication system that helps to enable it. This is an important cooperation, addressing key parts of the short, medium, and long-term development of the Single European Sky. As such it will bring profound benefits for European citizens, industry and Member States for decades to come.

#1077.ATC7

ATM Norge Sekretariatet Toralf Grevle www.atm-norway.no	tgrevle@gmail.no Mob: (+47) 40 43 68 67
---	--