



INFORMASJON FRA ATM NORGE

Nyhetsbrev mars 2018

Vi minner igjen om den årlige
ATM Konferansen
Oslo, 29. Mai 2018
Programmet følger i egen e-post.
Hold av dagen!

Nytt fra ATM Norge:

I løpet av det siste året har ATM Norge engasjert seg med å utarbeide et strategidokument som vi ønsker skal føre til en diskusjon om hvordan norsk luftfart og norsk ATM industri spesielt skal utvikle seg i fremtiden. I regjeringens langtidsplaner for transportsektoren i Norge er luftfart og spesielt norsk ATM industri nesten ikke nevnt. Dette ønsket vi å gjøre noe med.

ATM Norge publiserte i mars 2012 en analyse av Norges ATM-sektor, som skisserte en rekke muligheter og utfordringer bransjen sto overfor da. Senere samme år publiserte organisasjonen dokumentet «Nasjonalt behov for forskning og utvikling innen Air Traffic Management (ATM)», som grunnlag for det videre arbeidet med et eget FoU-program for denne sektoren. Men lite har dessverre skjedd etter dette.

Dette har nå forsøkt å gjøre noe med. Dokumentet er nå ferdig og tilgjengelig, og vil om kort tid bli tilgjengelig på vår hjemmeside www.atm-norway.no.

Nytt fra Indra Navia AS:

Czech Republic air navigation service provider signs contract with Indra Navia to upgrade the GAREX VCCS for Prague Control Center to include VoIP

The air navigation service provider of the Czech Republic (ANS CR<<https://www.canso.org/air-navigation-services-czech-republic-ans-czech-republic>>) has signed a contract with Indra Navia <<https://www.canso.org/indra-navia>> for the upgrade of the existing GAREX 220 Voice Communication Control System (VCCS) at Prague Control Center. The upgrade includes Voice over IP (VoIP) interfaces for radio and telephony, in addition to a controller working position (CWP) expansion.

Our experience with the current GAREX system is only the best, with high performance year after year. We are very pleased with the support we get from Indra Navia and the upgrade offers the highest economical and technical advantage for ANS CR," says Mr. Jaroslav Bena, Division Director for ANS Planning and Development Air Navigation Services of the Czech Republic.

ANS CR will upgrade their existing system with 58 new controller working positions and new generation hardware and software to include VoIP. Prague Control Center will be in full operation during the upgrade, ensuring a smooth transition to the new system.

The GAREX 220 is a result of more than 50 years of continuous innovation and experience delivering 270 systems to customers all over the world. The system is built on a single hardware and software platform, making the solution simple, flexible and scalable. This makes it easy and cost-effective for ANS CR to adapt to future requirements, without having to assume the risk of replacing the entire infrastructure.

Eldar Hauge, the President and CEO at Indra Navia comments, "We have been working together with ANS CR for more than 25 years and have now started a new project for an upgrade of the previous generation GAREX system delivered in 2006. The contract with ANS CR is an important milestone in an ongoing development of our world-class GAREX VoIP VCCS system."

Nytt fra SAAB:

New Norwegian Air Traffic Surveillance Capability from SAAB goes operational with Avinor.

Saab and Avinor announced that the northern Automatic Dependent Surveillance (ADS-B) region of the Norway National Wide Area Multilateration (WAM) region is now operational. The system will enable Avinor to implement a new reduced separation procedure, thereby increasing traffic capacity between the Svalbard archipelago and the mainland.

Avinor, who is responsible for the 45 state-owned airports and air navigation services for civilian and military aviation in Norway, is installing Saab's most advanced WAM surveillance system, which features virtualised central processing and ground stations that are shared between systems. The system features three ADS-B only regions, partly to address areas where WAM is not possible due to site limitations. The Svalbard region provides surveillance to the northernmost permanent community on the earth.

Saab's new Cooperative Surveillance System (CSS), is ideal for creating a national WAM in Norway, because of the need to phase in different geographical and service regions. It is the flexibility of CSS that allows one region to go into operation while the others are still being built.

"We have worked together with Avinor to set a new standard for cooperative surveillance technology. Bringing this ADS-B region in the extreme north into operation demonstrates the system's ability to function in harsh conditions, and its flexibility in deployment approaches", says Mike Gerry, head of Saab business area Industrial Products and Services.

Nytt fra ACAMS AS:

ACAMS has supplied more than 100 ATIS installations world-wide.

ACAMS is a prime supplier of ATIS solutions to the world's busiest airports. Last year (2017), an important milestone was met, with over 100 installations world-wide. Many of the world's large



international airports, such as Rio de Janeiro, Sao Paulo, Budapest and Bergen rely on ATIS services from ACAMS.

ATIS solutions have been provided to these airports since the first ATIS installation was completed in Norway in 2002. Over the years, ATIS solutions have been supplied directly to end users, as sub-supplies to system integrators and in partnership with leading MET suppliers such as Vaisala. Systems have been supplied as stand-alone ATIS solutions, D-ATIS, with VOLMET (D-VOLMET) and as part of ACAMS' integrated tower solutions, I-TWR.

Mer om dette kan leses [her](#).

ATM Konferansen hadde i 2016 "Grønn Luftfart" som hovedtema. Vi vil følge opp dette med å ta inn informasjon som setter fokus på luftfartens miljøavtrykk.

Utslippsfri luftfart i 2040?



Dette var overskriften da Avinor, sammen med NHO Luftfart og miljøorganisasjonen Zero inviterte til konferanse denne uken (22.3.2018).

Avinors visjon er at all innenriks luftfart i Norge skal være elektrifisert innen 2040. På konferansen ble spørsmålet stilt: Kan elektrifisering, i tillegg til økt bruk av bærekraftig biodrivstoff, løse luftfartens klimautfordringer?

Optimismen er stor hos Avinor, og produsentene av elektriske fly har uten tvil en rekke interessante prosjekter på gang. Små fly med 6-9 seter ser ut til å kunne være klare innen 2025. Fly med 90-100 seter, som bl.a. Widerøe ønsker seg, vil nok ikke være tilgjengelige før ca. 2030. så gjenstår det å se om all innenlandstrafikk er elektrifisert innen 2040. Det virker ikke helt urealistisk basert på de planene flyprodusentene presenterte her under konferansen.

Mer om konferansen kan leses [her](#).



En betydelig, nordisk delegasjon hadde funnet veien til Madrid og [World ATM Congress 2018](#). Fra Norge deltok Indra Navia, Jotron, ACAMS, Guardrec, MSG Production og Kongsberg/Avinor (Ninox) med utstillinger. Blant øvrige nordiske utstillerne, fant vi Saab og Entry Pont North fra Sverige, Islandske ISAVIA/Tern, finske Vaisala og danske Integra og Terma m.fl. Så det er trygt å si at Norden var godt representert.



Ninox med en imponerende stand



Jotron var som alltid godt representert med en stor stand. Her utveksler daglige ledere i ACAMS og Edda inntrykk fra utstillingen



Styreleder i ATM Norge, Trond Bakken inspiserer ACAMS' stand



Sintef var også representert via samarbeidspartner

News from Momberger Airport Information - www.mombergerairport.info

Indra has won a EUR 47 million contract from Algeria's ANSP, Etablissement National de la Navigation Aérienne (ENNA), to overhaul the country's entire air traffic management system. Under the terms of the contract, the company will also renew Algeria's

air surveillance system and air navigation communications. In Algeria, Indra will deploy the same technology and capacities as implemented in Europe, enabling ENNA to comply with ICAO's strict norms. The scope of the contract includes the modernisation of the regional control centre in Algiers and construction of a new centre at Tamanrasset. Indra will also be responsible for renovating the systems of the approach control centres at Algiers, Annaba, Constantine, Oran, and Hassi Messaoud. The company will supply ENNA with two air traffic management simulators, which will support adaptation to the new automation system while helping to train its controllers. The project will also focus on enhancing surveillance throughout the country's airspace by installing 11 radar stations equipped with four primary radars and nine mode S secondary radars, as well as 13 ADS-B surveillance stations. The air traffic controllers' workstations will be equipped with Garex 300 digital voice communications supported by a network of 27 VSAT satellite stations with two hubs for the space segment, in addition to 30 VHF stations and over 20 HF stations. This digital communications network will deliver a ground-air link to the pilots, ensuring the transmission of control and radar data to the centres, and add communications between the various control centres. In addition, ENNA will receive logistic support such as training, technical support, guarantees, spare parts, repairs, and updates from Indra throughout the whole lifecycle of the system. The modernisation project is set to be completed by late 2019. #1068.ATC1

Saab's Advanced-Surface Movement Guidance and Control System (A-SMGCS) has been deployed at Juanda International Airport (SUB), Indonesia's third largest airport. The A-SMGCS at Juanda includes a surface multilateration system, vehicle locators (VeeLo), fusion processing, safety alerts and controller working positions. The system features the RU7, Saab's most advanced multilateration ground station, plus a modern processing system to create a full situational awareness picture for controllers. Saab's Air Traffic Management (ATM) expertise spans airport operations, surveillance sensors, Air Traffic Control (ATC), automation, collaborative decision-making, and digital towers. Saab solutions are trusted by air navigation service providers, airports and airlines at over 100 locations in more than 45 countries. As a leading global partner and provider of proven ATM solutions and services, Saab transforms operations, turning innovative ideas into reality and supporting stakeholders from solution conception through to long-term support. #1068.ATC14

Så ønsker vi alle våre lesere en riktig God Påske!

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