Jane’s ATC Award Winners 2011

Release Date:
Wednesday, March 9, 2011 10:08 am EST

Terms:
Aerospace, Defense & Security

Dateline City:
LONDON

Major achievers and innovators in air traffic control were hailed by Jane’s Airport Review on 7 March, at the CANSO ATM Dinner & Jane's ATC Awards 2011. Reflecting its commitment to the ATC sector, IHS Jane’s joined forces with leading industry body CANSO to put on a gala awards evening at the NH Grand Krasnapolsky Hotel in Amsterdam.

The Awards are a valuable platform for the industry, enabling it to showcase important initiatives making air travel safer, more efficient and less damaging to the environment. “This year, we received a record number of submissions from around the world,” said Ben Vogel, editor of Jane's Airport Review. “Now in their 11th year, the Jane’s ATC Awards have established themselves for recognising and rewarding excellence within the air traffic management industry.”

All the nominations for the 2011 Jane’s ATC Awards were of an extremely high standard and highlighted the progress made by the industry. The high-level judging panel made their selections from flight efficiency programmes, safety initiatives and technical developments that will make flying safer and greener in the future. Air traffic control is under pressure to deliver more in all these areas, and the Jane's awards demonstrate there is no shortage of innovation to help meet this need.

Vogel concluded: “We particularly appreciate the expert and impartial judgments from the awards panel, which is made up of senior technical representatives from ICAO, IATA, IFATCA, the FAA, Eurocontrol and of course CANSO. We look forward to working with them again in 2012.”

Director General of CANSO Graham Lake said: “Tonight is a very special night for ATM. Tonight CANSO and Jane's have joined together to celebrate the industry's initiatives, innovations and achievements in making ATM safer, more efficient and environmentally focused.

“I am delighted that so many of our members have been recognised for their hard work over the past 12 months, and I can think of no better event to celebrate their success than the CANSO ATM dinner in association with the Jane's ATC Awards.”

Jane’s ATC Award Winners 2011

Enabling Technology Award
Aerothai - BOBCAT secure web-based traffic flow management system. This service has saved airlines at least 12 million kg of fuel and 50 million kg of CO2 emissions since its inception in 2007. Aerothai also introduced performance-based navigation and continuous descent operations at selected Thai airports in 2010.

Environment Award
NAV Portugal - Free Route Airspace Lisbon (FRAL) project. FRAL project has contributed to a significant improvement of Lisbon airspace utilisation and design for both en-route and terminal areas, with a direct improvement in emissions reduction. It meets the requirements of international air carriers for optimum routes within the SESAR concept, reducing costs for aircraft operators and increasing performance and efficiency.

Contribution to European ATM Award
Eurocontrol - Network Operations Portal (NOP) for continent-wide information sharing. NOP was developed by Eurocontrol to share a common view of the air traffic management situation across Europe with the whole aviation community. It serves two main purposes: monitoring the real time status of traffic, airspace and air traffic flow and capacity measures; and planning pan-European operations on a collaborative way from the strategic to the tactical phases. This includes post-operations analysis, the definition of air traffic flow management scenarios and a rolling process to permanently adjust planning to events, therefore optimising the use of available ATM capacity.

Service Provision Award
NATS – AWARE GNSS-based navigation aid for general aviation use. AWARE was conceived from NATS research into the factors that lead to airspace infringements and the role and limitations of existing GNSS navigation aids in preventing these. Based on these findings, the AWARE team developed the Airspace Warning Device. The interface is simple, requiring minimal user input, but gives very clear depiction of nearby controlled airspace. The device gives audio and visual alerts when an aircraft is predicted to enter controlled airspace and further distinct warnings when inside controlled airspace.

Industry Award
Boeing - InFlight Optimization Services for automated fuel savings advisories to aircraft while in flight. Two InFlight services have been announced. Direct Routes proactively identifies opportunities to save flight time by taking advantage of emergent direct routing opportunities that are pre-checked for considerations such as traffic conflicts, favourable winds and airspace/weather conflicts. Wind Updates proactively identifies improved flight management computer wind and temperature inputs customised to an aircraft’s current position and trajectory whenever appreciable fuel savings are possible.
Innovation Award
Searidge Technologies - IntelliDAR camera system for surface target tracking and surveillance. IntelliDAR is a non-co-operative system that uses digital camera sensors coupled with advanced video analytics to provide detection, tracking and positional references of any target on the airport surface. Data is relayed to the control tower to provide controllers with radar-like data of airfield movements. Each monitored zone is installed with dual camera sensors set for redundancy and maximises reliability in obtaining a target's positional accuracy.

Runway Safety Award
FAA/Sensis - ASDE-X surveillance data fusion for situational awareness of runway and taxiway areas. ASDE-X blends data from transponder multilateration, surface movement radar, terminal surveillance radar and ADS-B into highly accurate situational awareness of aircraft and vehicles operating in the runway and taxiway areas. In addition, ASDE-X features Safety Logic advanced conflict detection and alerting technology that uses complex algorithms to alert controls of more than 40 potential aircraft and vehicle incursion scenarios.

About IHS (www.ihs.com)
IHS (NYSE: IHS) is a leading source of information and insight in pivotal areas that shape today's business landscape: energy, economics, geopolitical risk, sustainability and supply chain management. Businesses and governments around the globe rely on the comprehensive content, expert independent analysis and flexible delivery methods of IHS to make high-impact decisions and develop strategies with speed and confidence. IHS has been in business since 1959 and became a publicly traded company on the New York Stock Exchange in 2005. Headquartered in Englewood, Colorado, USA, IHS employs more than 4,400 people in more than 30 countries around the world.

IHS is a registered trademark of IHS Inc. All other company and product names may be trademarks of their respective owners. Copyright © 2010 IHS Inc. All rights reserved.