



Saab Sensis Selected for Wide Area Multilateration Surveillance of Flights Operating Near Korea's Lotte World Tower

Lotte has selected Saab Sensis Corporation, a subsidiary of defense and security company Saab, to deploy a Wide Area Multilateration (WAM) system for surveillance of flights operating in close proximity of the Lotte World Tower being constructed near Seoul Air Base, Seoul, Korea. Saab Sensis will provide WAM surveillance to Republic of Korea Air Force (ROKAF) air traffic controllers with the first operational deployment of conflict detection and alerting capabilities for a WAM surveillance system.

Lotte chose Saab Sensis to provide WAM surveillance of flights within 10 to 15 nautical miles around the tower to enhance the safety of the tower through additional surveillance. Saab Sensis will deliver a WAM display along with conflict detection and alerting that will provide ROKAF air traffic controllers with advanced warning of aircraft operating too close to the tower.

“Lotte, in conjunction with ROKAF evaluated a number of options to address the challenging surveillance needs around the Lotte World Tower. We determined that Saab Sensis’ solution best met the technical performance requirements and deployment timeframe,” said Hwanghee Lee, Lotte Program Director. “In addition, the Saab Sensis system satisfies ROKAF’s requirement for an accepted technology in operational use by the U.S. FAA and DOD.”

Saab Sensis multilateration uses multiple low-maintenance, non-rotating sensors to triangulate aircraft location based on transponder signals, providing air traffic controllers with precise aircraft position and identification information regardless of weather conditions. With a higher update rate and greater positional accuracy than traditional radar, Saab Sensis multilateration delivers effective surveillance for increased safety, capacity and efficiency of airspace and surface operations. By employing advanced processing techniques, a Saab Sensis multilateration system uses the minimal number of sensors for a less complex, lower lifecycle cost solution. Additionally, each multilateration sensor deployed by Saab Sensis supports Automatic Dependent Surveillance – Broadcast (ADS-B), providing an infrastructure that is ready for today’s surveillance needs and tomorrow’s avionics.

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“This unique application further demonstrates the flexibility of WAM technology to effectively address new surveillance demands,” said Ken Kaminski, vice president and general manager of Saab Sensis.

“Additionally, Saab Sensis will leverage its extensive experience in airport surface conflict detection and alerting algorithms and apply it to the Lotte World Tower WAM system. This will enable ROKAF controllers to enhance airspace safety through the industry’s first deployment of conflict detection and alerting built into a WAM surveillance system.”

Almost 100 sites worldwide have chosen Saab Sensis multilateration to enhance safety, efficiency, capacity and cost savings through airport surface surveillance, wide area surveillance and airport surface management. In addition, the Saab Sensis conflict detection and alerting system, Safety Logic, is deployed in more than 45 airport surface movement guidance and control systems worldwide.

Saab Sensis Corporation provides the defense and aviation market with advanced sensor technologies, next-generation radars, automation, modeling and simulation solutions. The company serves military, civil aviation, airport and airline customers in more than 35 countries across six continents.

Saab serves the global market with world-leading products, services and solutions ranging from military defence to civil security. Saab has operations and employees on all continents and constantly develops, adopts and improves new technology to meet customers’ changing needs.

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