



Integrated Airport Operations Centre

Improving safety and efficiency of airport operations

To facilitate a smooth and efficient takeoff or landing, airport operators have to coordinate a series of processes – aircraft gate allocation, baggage handling, flight schedules, passenger management, billing and more. The complexity of coordinating these dependent processes with multiple stakeholders can be challenging.

An Integrated Airport Operations Centre provides airport operators, air navigation service providers and airlines with shared information for greater collaboration. This enables airport operators to improve efficiency, reduce operational costs and increase capacity handling.

By integrating real-time surface monitoring with existing airport data sources (ASDE-X, AODB, FIDS, etc.), the Searidge Technologies solution enables better planning and coordination of ground movements, improved situational awareness and more accurate decision making. All Searidge solutions are fully customized to customer's requirements and enable the addition of new features and functionality at any time.

Ottawa International Airport Authority / Searidge Partnership

Searidge has worked with Ottawa International Airport Authority (OIAA) to integrate real-time surface monitoring with air traffic control and airport-centric data, into a single, fully customized user interface. The resulting system supports OIAA's goal to streamline decision making, better manage ground situations and position the airport to handle growth and greater capacity demands.



Additional System Features:

- Users are able to toggle between two 180° stitched out-the-window views (tower/terminal), or show both.
- Closed-Circuit Television Camera (CCTV) integration provides users with access to video from existing airport cameras.
- Flight Information Display System (FIDS) integration leverages Searidge detection, positioning and tracking algorithms to validate actual aircraft status (on approach, landed, taxi and arrived).

The Searidge Enhanced Airport Vision Display (EAVD) provides the front end display for consolidating multiple independent airport operations systems, and displaying information in an efficient and intuitive manner.

All the consolidated airport data is integrated in OIAA's Information Technology room and Airport Operations Coordination Centre (AOCC) on two, independent six-panel video walls. In addition, OIAA Executives have independent (read-only) installations in their respective offices allowing them to see a global picture of their operations at all times.