



Bay Management Software

From concept to installation – JCAII is a turn-key solution provider.

Made in Canada

Visual Technologies for the Modern Airport



JCAII is a Canadian based company, specializing in visual guidance solutions for airports world-wide.

Under our trade name AIM Systems® (Airfield Intelligent Management), we offer a suite of state-of-the-art guidance software and equipment that provides airports and airlines with the necessary tools to ensure aircraft are transitioned safely and automatically through apron areas.

Our team of experts is 100% committed to client satisfaction and excellence in service delivery. Our products have been developed to be fully scalable and customizable for any size airport or operation.

Our systems are currently deployed in numerous major and smaller airports across Canada, United States as well as Europe.

The key components of our system include:

- Bay Management Software;
- Electronic Message Boards;
- Inset Lighting;
- Icelink.

Communications Engineering Consulting

Contact:
sales@jcail.com
+1 905 677 5224
www.jcail.com

Bay Management System

A key part of the AIM System® suite of guidance equipment is our patented **Bay Management** software. Our software is a superior traffic management system and an information hub which may be connected to your ACDM or other data stores and sources.

AIM System® Bay Management software, because of its hub platform architecture, is the basis information and reference platform for a pad operator.

Operations

At a glance, an operator can visualize his entire operation, seeing the status of each aircraft in real-time. This allows an operator to safely and efficiently allocate an aircraft to the appropriate bay, while ensuring all trucks are properly positioned in safety zones during the aircraft movement. Each event on the Bay Manager is time stamped and recorded for event audit purposes.

Equipment Control

Auxiliary equipment may be controlled from the PadController client providing a single focus of control for items such as:

- Taxiway crossing control;
- Overhead lighting;
- In ground guidance lighting;
- Safety zone lighting; and
- Glycol valve control.

Data and Report Management

External Data Clients and Interfaces allow the Bay Management Suite of applications to communicate with external systems.

Data from external sources such as, Off Block times, aircraft registration and weather information may be displayed for the user in real-time.

Information such as, de-icing start times, staging times and exit times may be forwarded in real-time to ACDM systems to aid in airport operations planning.

stamps are stored locally on the EMB server(s) and accessible to the client through industry standard query tools.

In addition to this, all SmartPad® systems are able to link to our Icelink cloud-based servers for ease of access and distribution of data in real-time.

The Bay Management Software system runs on a Client/Server model.

...The PadController Client(s) provides the user interface for the system:

- Graphical overview;
- De-icing status;
- EMB status;
- Intensity controls;
- Server status; and
- EMB control.

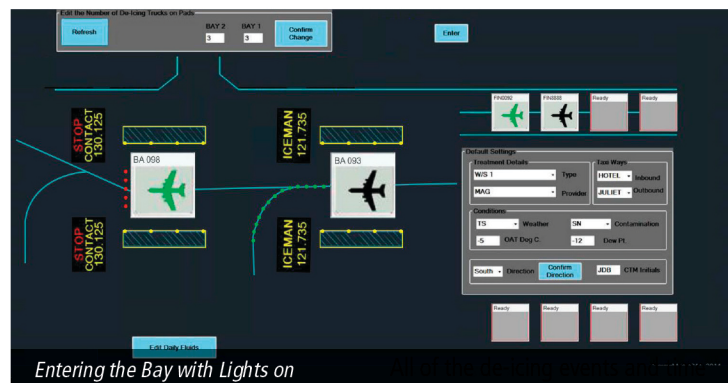
...The Server Software stores and relays event driven data between the clients and drives the EMB messages.

...Additional Custom External Data Clients Interfaces:

...MSSQL / Oracle Databases

...XML/JSON/HTML

...Custom local reporting and Icelink integration for web-based reporting.



Entering the Bay with Lights on