

# Sensis Solutions at Work



## At a Glance

Integrates surveillance & voice communication with flight data

Scalable to any air traffic control tower

Minimum number of screens to conserve space in tower

Supports traditional and remote tower services

## Australia Airport Automation

### The Challenge:

Many air traffic control towers in Australia are relying on technology that dates back to the first implementation of control tower services – technology which was not designed to accommodate today’s increasing levels of air traffic. To provide safe, efficient operations well into the future, Airservices Australia is implementing the National Tower Program (NTP) to modernize, and where necessary, replace up to 26 air traffic control (ATC) towers. The Program’s Technology Project addresses the modernization of the technology systems, installation of solutions and ongoing support of the tower technology. For the project, Airservices Australia required technology that would address the needs of Australia’s controllers today, and accommodate predicted air traffic levels of the future.

### Sensis Solutions at Work:

Airservices Australia selected the team of Sensis Corporation and NAV CANADA to design and deliver the Integrated Tower Automation Suite (INTAS), providing controllers with the latest, fully integrated “glass tower” solution combining flight data, operational data, surveillance and voice communications into a scalable air traffic management system. INTAS features an integrated controller working position comprised of up to four touch screen monitors that display: Extended Computer Display System (EXCDS) Electronic Flight Strips; an Operational Information Display System (OIDS) which monitors and controls airfield ground lighting, navigational aids, and weather data; Automatic Terminal Information Service (ATIS); a Voice Communication Control System (VCCS) for air-ground/ground-ground communications; terminal and surface surveillance displays; and an Advanced – Surface Movement Guidance and Control System (A-SMGCS). By providing controllers with a common set of displays, INTAS offers immediate access to flight data and voice communications while allowing them to monitor the airfield and surrounding airspace.



The INTAS architecture supports any tower position (local, ground, clearance or supervisor) and can be expanded or consolidated based on traffic demand or off-peak operations. Additionally, INTAS streamlines and conforms to existing operations and will not require controllers to learn a new operational concept.

As the lead partner, Sensis will provide its expertise as a surveillance solution provider and integrator.

*Integrated Tower Automation Suite (INTAS)*

# Airport Automation



## Solution Performance

Feature:	Benefit:
Immediate access to flight data, voice communications and airport view	Increased controller efficiency
Common set of displays	Additional space gained in confined tower
Standardized equipment, interfaces and operations	Streamlined training and support
Scalable technology	Deployable at any airport regardless of size or traffic level



Melbourne Air Traffic Control Tower



Adelaide Air Traffic Control Tower



Rockhampton Air Traffic Control Tower