NAVCANatm

Integrated air traffic management
Proven. Trusted. Applied.

COMPANY PROFILE

NAVCANatm is a commercial subsidiary of NAV CANADA — Canada's private sector, civil air navigation services provider — offering proprietary Air Traffic Management products and turnkey solutions to other Air Navigation Service Providers (ANSPs). Our customers will experience proven and trusted systems that our engineers and controllers have collaboratively built for use in all NAV CANADA facilities.

Backed by decades of experience from NAV CANADA, a multi-award winning company, our systems are designed to support a full range of services in a collaborative environment. NAVCANatm delivers enterprise-wide integrated air traffic management solutions that are scalable and customizable. Our fully automated ATM products provide immediate, reliable access to airport, tower, terminal and enroute information. Operational staff can view, manipulate and manage air traffic data for seamless coordination and more informed operations at all times.

Used in 1600 active workstations at towers, flight service stations, terminal and enroute control centres at 100 sites worldwide, our next generation technology is improving the safety and efficiency of operations across the globe.

FACTS AND FIGURES

9
countries deployed NAVCANatm technology

15 000 000
aircraft movements per year are managed by NAVCANatm technology

1 600
active controller workstations across the globe are using NAVCANatm technology

5 000 000
hours of in-service operation

RECENT DEVELOPMENTS

NATS London Terminal Control

Operational since 2018

The recent deployment of EXCDS (known as NAVCANstrips) into the London Terminal Control operation at NATS represents the culmination of nearly three years of collaboration between NATS and NAV CANADA on this project.

EXCDS takes information that was previously printed and hand-written on paper flight strips, and provides immediate online access via touch screens. The installation in the London Terminal Control Centre included the EXCDS system and 72 touch-screen terminals. The technology is a proven, mature system that provides efficient management and use of complex airspace to maximize airport capacity. EXCDS is already in use at 10 of the UK's busiest air traffic control towers.

ENAV Control Towers

In progress

ENAV, the Italian air navigation service provider, selected the NAVCANsuite tower automation solution for the modernization of systems in their Milano Malpensa International Airport, Milan Linate Airport, Leonardo da Vinci–Fiumicino Airport, Bergamo Orio al Serio International Airport, Ciampino–G. B. Pastine International Airport, and Catania–Fontanarossa Airport. The NAVCANsuite systems will include electronic flight strips, operational data management, digital-automatic terminal information services, voice communication control, and an integrated electronic surveillance system on up to four touch screen monitors at each controller workstation. The system will also support improved coordination and communications between ATC, airport and airline operations, helping to enhance the air traffic management safety and efficiency.

Airservices Australia uses NAVCANatm technology for its expanded tower modernization program

Operational since 2017

NAVCANatm technology is now operational at Airservices Australia air traffic control towers at the Gold Coast, Perth, Cairns and Brisbane airports as part of the second phase of their tower modernisation program. Provided jointly by NAV CANADA and Saab, the Integrated Tower Automation Suite (INTAS), a modified version of its NAVCANsuite combines flight data, operational data, surveillance, and airfield lighting control, providing air traffic controllers with an environment that enhances safety and efficiency, and reduces controller workload. INTAS is also in operational service at Airservices control towers at Broome, Rockhampton, Adelaide and Melbourne airports. NAV CANADA uses its expertise in tower-based Air Traffic Management systems to provide application software, system design, associated development and integration, testing, and training.

NAV CANADA's Air Traffic Services Data Management System (ATSDMS) installed at Hong Kong International Airport

Operational since 2017

The Civil Aviation Department of the Government of the Hong Kong is using ATDMS provided by NAV CANADA to manage, integrate, and display real-time air traffic control information at its new ATC Centre and Tower in Hong Kong, NAVCANinfo is the foundation for ATSDMS, which manages and displays extensive operational data, and safety-critical information to air traffic controllers in real time. Services provided by NAV CANADA included software development, system installation, operational and technical training, and hardware and software maintenance after system deployment.

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