



NAVCANsuite

*Fully integrated tools designed
to innovate and simplify air traffic
control workstations*



NAVCANSuite ATM products are the leading solution for a more automated and seamless controller workflow in all air traffic management environments.

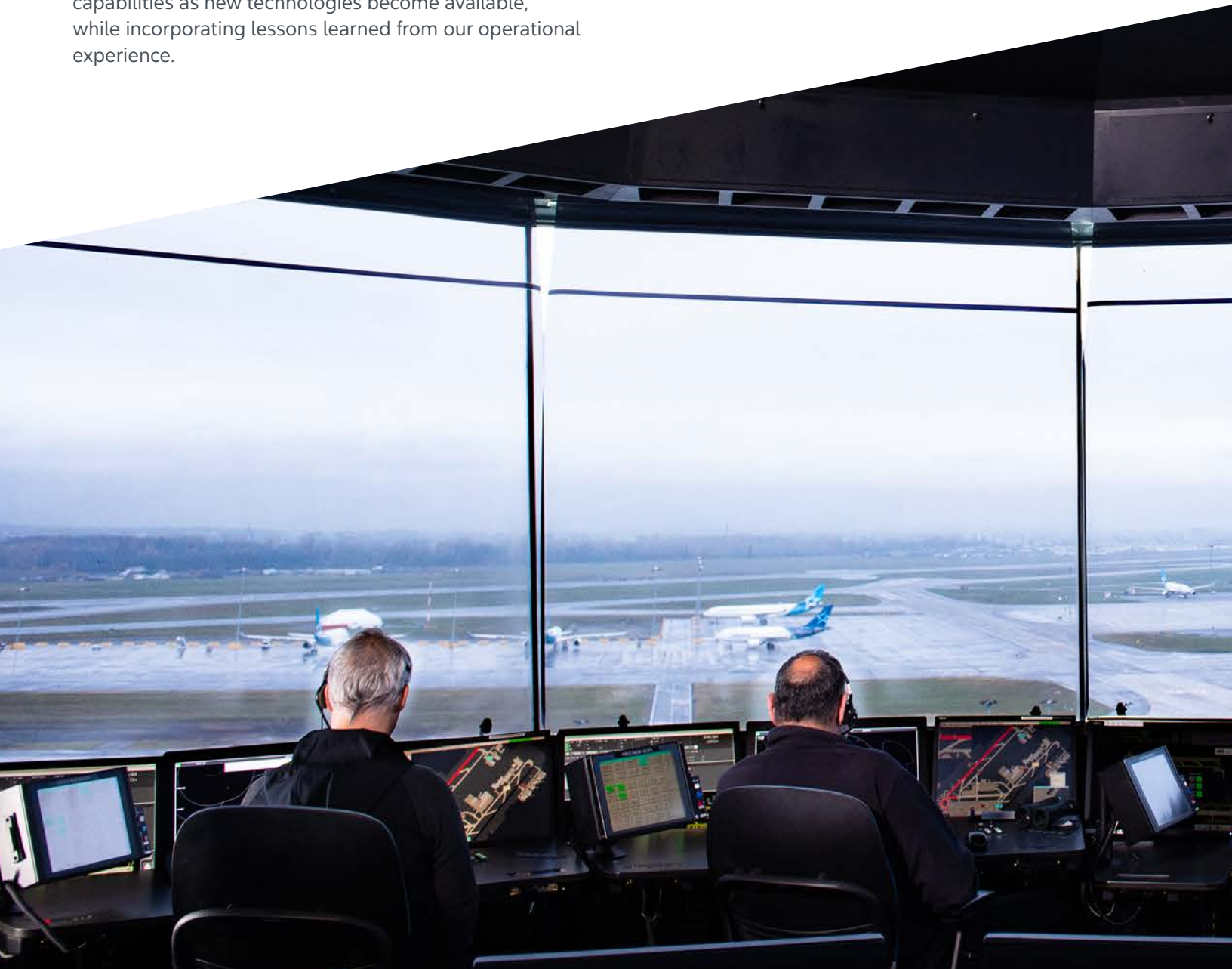
Designed with Scalability in Mind

NAVCANSuite offers a complete line of products that support a full range of ATM services. These products operate seamlessly on a common architecture, and can be adapted for any and all ATC environments of varying sizes and traffic levels.

Available as stand-alone systems, or as an integrated bundle, NAVCANSuite products can operate on an open platform that is completely modular and customisable. This allows you to select the features and functionality that best fit your operational requirements. By separating the applications from the infrastructure, we are also able to easily and quickly advance software and hardware capabilities as new technologies become available, while incorporating lessons learned from our operational experience.

Developed in Collaboration with Controllers

Controller input at all phases of development is a priority for us. It's one of the reasons why NAVCANSuite has been a proven system for more than two decades, and is the system of choice at over 125 sites worldwide. We have dedicated controllers as members of our engineering teams providing operational input into all phases of development - from system requirements building, to design, development and life cycle support. This ensures that risk assessments and system validation are established with controller feedback, resulting in superior product delivery.





NAVCANsuite Products

Our products provide superior functionality in tower, terminal and enroute environments



Strips

NAVCANstrips (EXCDS) is a real-time enterprise-wide tower, terminal, apron and enroute coordination system. Controllers manage electronic flight data online, using electronic strips on touch-sensitive display screens. The strips are highly adaptable and can be defined to support a full range of air traffic operations.



Situ

NAVCANsitu displays fused surveillance targets on a situational display for enroute, terminal and ground air traffic control. Situ offers controllers several layers of maps, inset windows and decision support tools to aid with air traffic operations. Both air mode (terminal area) and ground mode (airfield) surveillance are supported.



Info

NAVCANinfo displays to air traffic controllers real-time airport and meteorological data, NOTAMS, navaid and ATM system status information on a graphical display. Info offers quick access to operational documents and aeronautical charts and other data, along with superior document organization, storage, navigation and display features.

Support Applications

NAVCANsuite also offers advanced support applications that include:

- airfield lighting status information, display and control, and stop bar control
- safety net functions
- automated terminal information, local weather and operational runway configuration for departing and arriving aircraft
- system monitoring and control
- data recording and playback, for workstations, transactions, I/O message logging, and radar surveillance
- air and ground surveillance (A-SMGCS)

Benefits

Safer, More Efficient and More Informed Air Traffic Operations

NAVCANsuite products provide fast and reliable access to critical airport, tower and terminal air traffic control information. Controllers are able to view, manipulate and manage air traffic, gate, and apron scheduling data for seamless coordination between air traffic control, airport and airline operations.

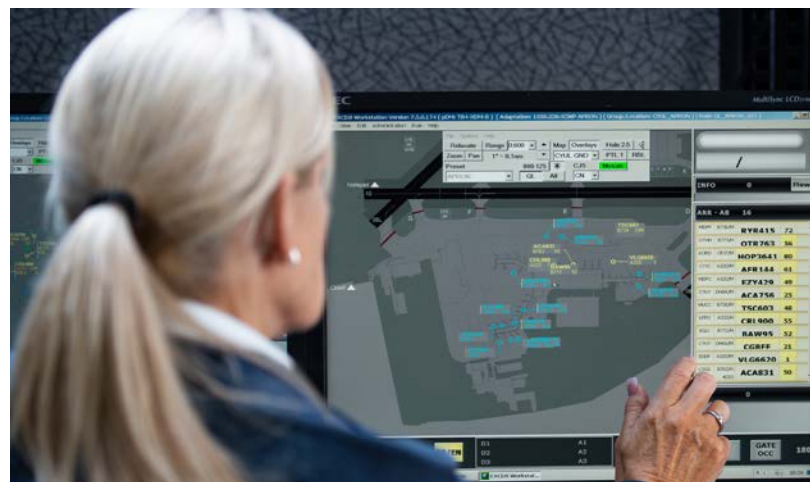
It transforms tower and centre ATC operations, making paper strips, hotline coordination, and restrictive capacity limits issues of the past. NAVCANsuite also functions as an independent backup system for enroute control. The result is safer, more efficient and more informed air traffic operations at all times, and under all conditions.

Choosing NAVCANsuite for your air traffic management operation supports:

- Data availability for collaborative decision making
- Adaptability for end user acceptance
- Full redundancy
- Seamless data flow
- Complete scalability

Features

With robust applications running on fail-safe hardware, NAVCANsuite is the ideal system for modernizing your ATC environment. Utilizing up to four touch screen displays, the multiscreen setup maximizes available display space for multiple applications. Applications can also be adapted into an integrated controller working position (iCWP). This particular HMI is designed to integrate electronic flight strips (NAVCANstrip), surveillance display (NAVCANsitu), weather information (NAVCANinfo), onto a single large touch screen display. Both setups also feature a highly customizable graphical user interface, enabling the applications to be adaptable to each controller role and position.





Single Tower Operations

In its most common configuration for single tower operations, NAVCANsuite offers:

- Support for up to 20 controller workstations in a visual control room
- Support for up to 20 auxiliary controller workstations in operational support rooms
- Seamless integration between NAVCANsuite air traffic management applications
- Dual servers, switches and routers
- Single, Dual or Quad monitor working positions
- Touch screen/stylus operations
- Option for a rack-mounted workstation
- Interfaces to local airport systems
- Support for up to 20 runways at an airport
- Remote information display and web view terminals
- Interfaces to remote networked systems
- Duty engineering control and monitoring
- Approach Control Room workstations
- Contingency control room operations
- Operational and training system configurations
- Dynamic application layout based on role
- Utilization of commercial off-the-shelf hardware

NAVCANsuite Enterprise

The NAVCANsuite Enterprise configuration can be designed to share information between terminal, area and tower control centres. Features of this setup include:

- Replication (slave) servers which synchronize data while maintaining the required level of response to the local clients
- Up to 500 controller workstations
- Up to 20 auxiliary (dependent) towers
- High capacity WAN/LAN networks
- Remote video surveillance and tower management

The NAVCANsuite family of ATM automation tools are products of NAVCANATM, a leading line of integrated air traffic management products, applications and services. NAVCANATM products are operationally deployed at over 125 sites worldwide for safe, efficient and cost-effective air traffic management. For more information on NAVCANsuite and other NAVCANATM products visit our website.

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