

Common automation workstation

Go beyond stars discover MARS

BENEFITS

- Promotes enhanced safety by maximizing eyes on the glass
- Significantly reduces hardware footprint
- Leverages intuitive motions from today's touch technology
- Display agnostic — can be configured for any monitor
- Virtual keyboards configurable for each application (ABC and QWERTY)
- Limited downtime during transition
- Minimal retraining

The Multi-platform Automation Re-hosting Solution (MARS) is a cutting-edge, versatile air traffic control (ATC) and air traffic management (ATM) workstation solution. MARS consolidates flight, surveillance, weather and other automation data from multiple ATC/ATM applications and leverages WEYTEC's video over IP technology to display up to eight systems onto commercial-off-the-shelf (COTS) monitors.

The solution encourages safety by providing air traffic controllers with the tools they need to avoid diverting their eyes from the glass in front of them. MARS has been thoughtfully designed with extensive air traffic controller input and leverages modern touch technologies that employ intuitive motions from today's smartphone and tablet devices to minimize retraining.

MARS workstations can be customized to support various air traffic positions including all phases of flight from terminal through en route to oceanic, and is highly configurable based on facility needs and preference.

MARS multi-platform automation re-hosting solution



Choose your keyboard

- Keyboards are interchangeable (ABC and QWERTY) to suit controller and application preference.
- All existing Automation (STARS, etc.) capabilities remain with enhanced controller usability.
- Features easy touch control access to display settings (character size, brightness, lists, etc.).
- Uses one-touch shortcut commands for complex keyboard entries (configurations, combining positions, macros, etc.).



16-button trackpad

A modern touchpad replaces the legacy track ball and provides modern, intuitive touchpad technology. Today's familiar gestures such as swipe, pinch and tap commonly used on everyday devices results in virtually no training during transition.

The trackpad takes a much more prominent role in data input than the limited capabilities of the track ball. Frequently used commands are efficiently executed with touchpad gestures and up to 16 quick action keys:

- Provides functions of the DCB knobs.
- Range becomes pinch and zoom.
- Place center becomes tap and drag.
- Tapping on a data tag allows individual leader line stretch and off set.
- Tapping on scratch pad field amends site adapted scratch pad data.
- Tapping on position symbol opens handoff/point out drop-down menu.

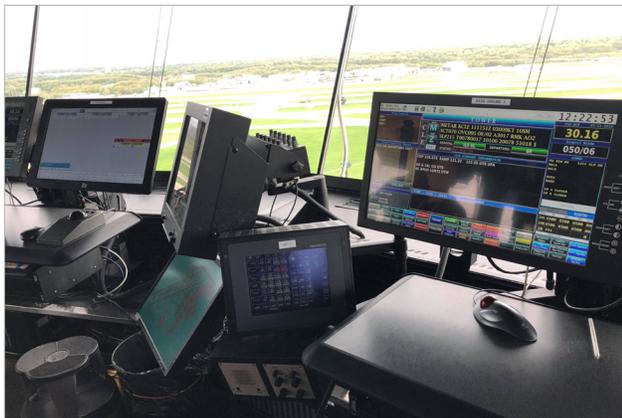
MARS multi-platform automation re-hosting solution

Flight data at your fingertips

This system provides long-awaited direct access to National Airspace System (NAS) flight plan amendments from all terminal control positions. Tablet provides Flight Data Input Output (FDIO) flight plan entry and modification connected directly to the NAS.

Full range of FDIO capabilities available from the tablet at each operating position:

- Amendments: Implied 6-7-10 amendment.
- Fields 6 and 7 prepopulate; field 10 is waiting for data entry.
- Flight Plan Creation and Modification.
- Strip Requests.



Legacy tower position

Data block amendments

- Tapping on data block immediately opens tablet screen for implied 6-7-10 amendment.
- Tapping on data block altitude field opens drop-down altitude menu and automatically sends a NAS altitude amendment.

Tower cab conversions

- COTS 43-inch monitors would be placed on the tower console and maintain conventional equipment height standards.
- No need for articulating arms and mounting that might obscure current tower cab visibility.
- Considerably optimizes each unique tower layout and maximizes console space by consolidating the multitude of independent applications displays and input devices.

Common automation workstation

- MARS is not limited just to terminal automation and can be used for en route and oceanic air traffic control platforms.
- MARS is display agnostic, so any automation system can be integrated, regardless of operation, position, location, etc.
- MARS allows for common workstation within the NAS.

MARS tower position



MARS multi-platform automation re-hosting solution



MARS TRACON position

Eyes on the glass

- Using open architecture and Slatwall as the mounting platform, MARS can easily be configured to optimize each unique ATC/ATM workstation.
- MARS introduces WEYTEC's video over IP technology to standardize connection and location of backroom equipment (the same architecture for local or remote positions).



Legacy TRACON position



Legacy TRACON position upgraded with Slatwall

About Raytheon Technologies

Raytheon Technologies (NYSE: RTX) is an aerospace and defense company that provides advanced systems and services for commercial, military and government customers worldwide. The company was formed in 2020 through the combination of Raytheon Company and the United Technologies Corporation aerospace businesses, and is headquartered in Waltham, Massachusetts.

Contact

WEY Technology Inc.
15 West 38th Street
Suite 809
New York, NY 10018
weytec.com/en/

Raytheon Intelligence & Space
1100 Wilson Blvd.
Arlington, VA
22209 USA
iispr@rtx.com



www.RTX.com