SITTI — Integrated Solutions for Air Traffic Control and Operations Rooms

MTF800 Integrated Information System

Air Traffic Control working positions (CWP) are often overcrowded with monitors and ancillary equipment that make the work of controllers cumbersome and prone to confusion and error. In many cases, controllers have to deal with many different applications, each requiring its own display and interaction system:

- VCS
- Interconsole Messaging
- Meteo Information
- Electronic Strips
- Video Cameras
- AFTN/AMHS
- Runway Lights
- Recorders
- Device Status Indications
- Flight Management
- … et cetera …

Flexibility in the integration of third party applications (see table at the end of this leaflet) permits the Customer to include a large variety of functions into so-called management desktops that simplify the access and use of the required system features, by also providing integrated user credentials logging.

Recorder Replay — Camera — Light signals — Flight Management — Meteo — VCS — Messages among operators — AFTN/AMHS — Messages among operators — I/O Contacts — States — Emergency Service

MTF800 Integrated Information System is a hardware/software platform for Airports of any size or Remote Towers which concentrates different data sources into one integrated product with the aim of reducing the number of objects on the operative desks, and whereas increasing the operator's situational awareness while attending to their duties.

MTF800 Management Software Application is capable of handling proprietary and third-party legacy systems, implementing compact, user-friendly and highly configurable HMI layouts.

Information on the working position can be arranged in configurable desktops, each dealing with different management aspects, according to the Customer's needs.

- Significant reduction of devices on operator's console
- Concentration and focus on information in a compact HMI
- Unlimited number of independent management desktops
- Configurable and User-definable applications
- Controlled access and different security levels
- Reduction of errors occurrence
- Easy to maintain
- Adaptable to evolving needs
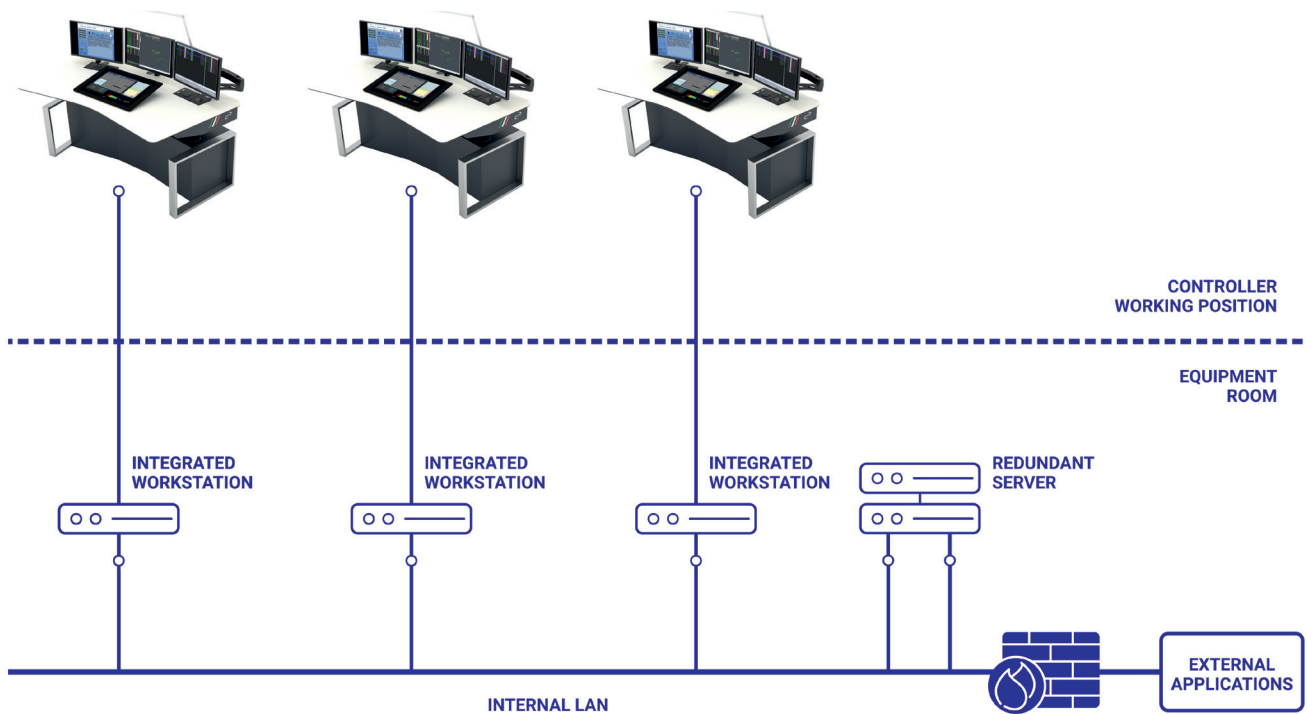- Remote configuration features

The main benefits of MTF800 can be summarized as follows:

- Significant reduction of devices on operator's console
- Concentration of information
- Various data sources collected by one (redundant) server
- Controllers' focus on significant information only
- Reduction of errors occurrence
- Function specific management desktops
- Controlled access to applications
- Remote configurability via SNMP

The resulting working position is a hardware and software combination, where different information sources and relevant display monitors are integrated to provide controllers with positions that are:

- Compact
- Configurable
- Adaptable to evolving needs
- Easy to maintain
- With minimal use of cables and devices

CONCEPTUAL SYSTEM ARCHITECTURE //

CONTROLLER WORKING POSITION

EQUIPMENT ROOM

INTEGRATED WORKSTATION · INTEGRATED WORKSTATION · INTEGRATED WORKSTATION · REDUNDANT SERVER

INTERNAL LAN · EXTERNAL APPLICATIONS

// INTEGRATION SOLUTIONS

Type	Solution
Remote Access	Monitor and Control external applications from MTF800 Workstations using standard Remote Access Protocol (RDP, VNC).
Web Access	Monitor and Control external applications from MTF800 Workstations using standard Web Protocol HTML5.
Protocol based	The external application gives access to its data via standard or legacy protocol. SITTI can develop a front-end application collecting data to be presented on MTF800 terminals.