



MITAS

Integrated Tower Applications System





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Our goal: successful operational outcomes

When you choose an MTECH MITAS 4.0 Automated Weather Observing System (AWOS) you are ensuring economical, safe, flexible and reliable airport operations for your aviation weather requirements. Your future system is designed and built by aviation weather experts taking into consideration the guidelines of the WMO and ICAO whilst meeting all your operational needs.



With You all the way.

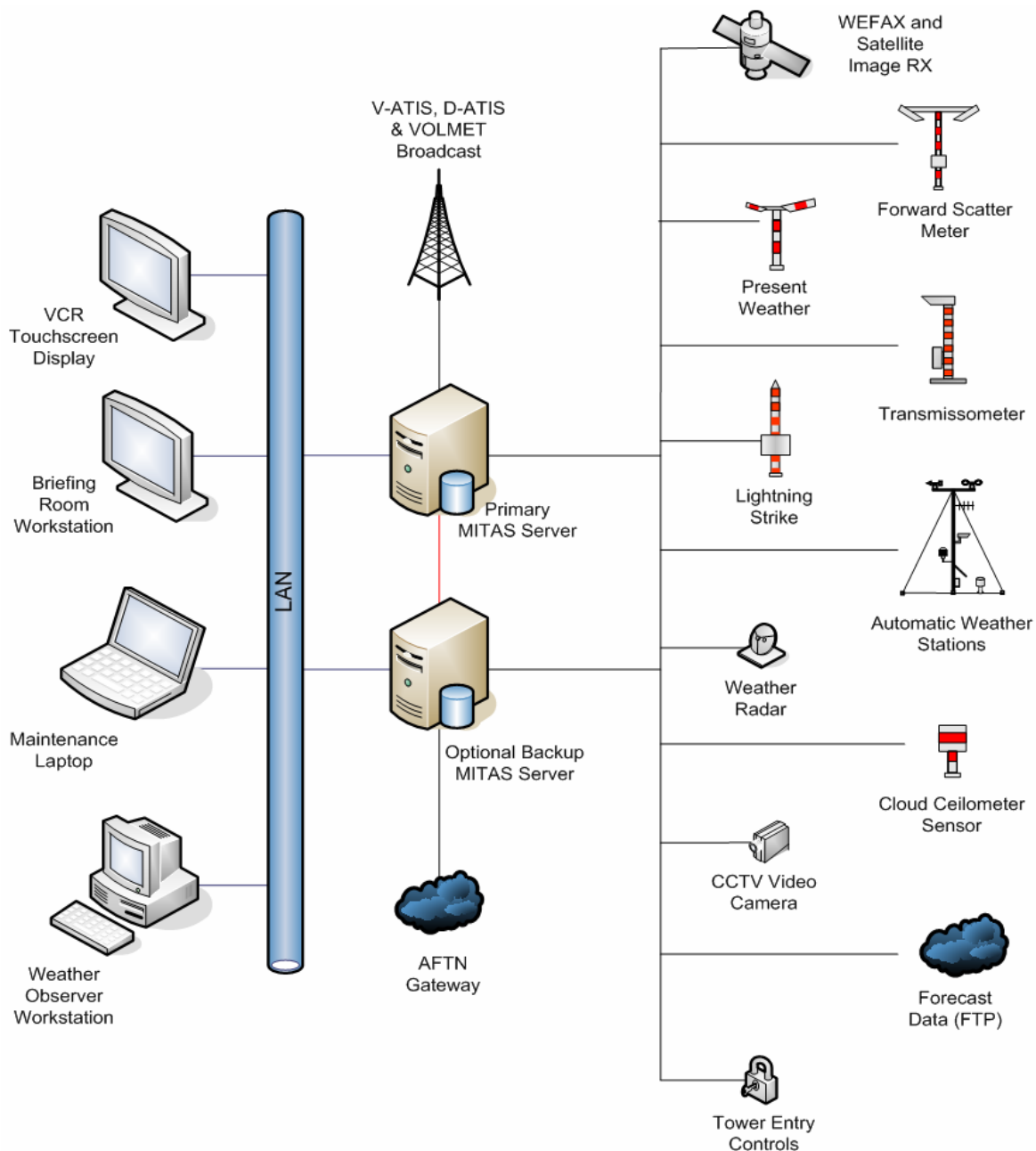
MTECH concentrates on designing, delivering and supporting world class aviation weather solutions to meet our customers exacting requirements. Deploying market leading technologies we currently deliver aviation weather projects to over 50 countries. MTECH understands that when you choose any of our products, services or systems we are starting a relationship for the entire life-cycle. Continuous support through maintenance, upgrades and

updates ensure you will see excellent cost performance from an MTECH AWOS system.

Growing with You.

The modular and expandable MITAS AWOS system has the capability to scale from a small regional airport right up to a CATIIIB international airport. The usage of the MITAS AWOS system will become a seamless part of your total information delivery system for your air traffic controllers, MET professionals, pilots and customers alike.

You will have the peace of mind knowing that the reliable and stable MITAS system is there to provide your aviation weather support. The system also grows with your airport easily and economically. The modular nature of the system allows for the addition of additional equipment at any stage without disruption of the system. The system also supports all major types and brands of equipment. Choose the best available equipment from any manufacturer and easily add this to your world class MITAS AWOS.



Expertly Tailored.

The MITAS AWOS is designed so it can be installed at any level of complexity. The choice is yours: a basic AWOS for regional airports to a fully-featured and multi-user system for large international airports including ICAO categories up to CAT IIIB and everything in between.

The MITAS AWOS is easy and economical to upgrade and update with more, or newer sensors, workstations and soft-

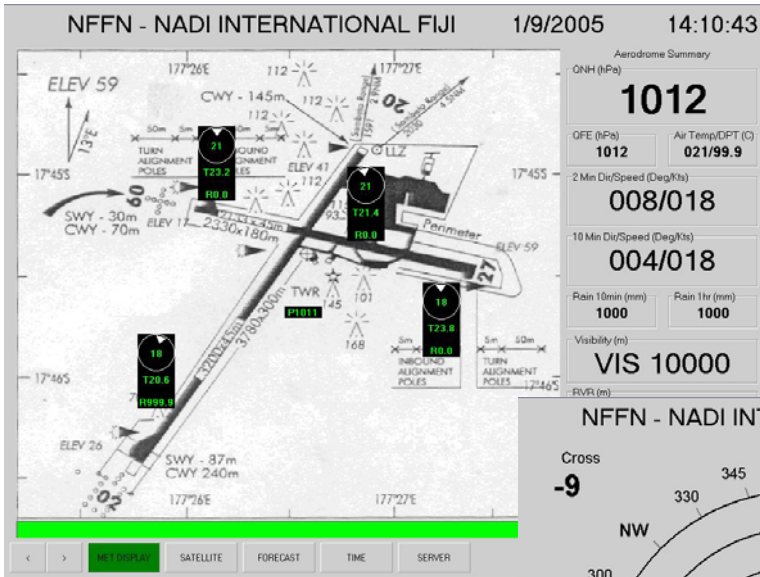
ware. Obtaining the hardware and software will be no problem for you either, because all these can be provided from one source: MTECH.

MTECH operates in close cooperation with the aviation and weather authorities refining existing technologies and developing new products to meet tomorrows requirements.

MTECH offers a range of support packages that range from site inspections to full maintenance schedules which are all

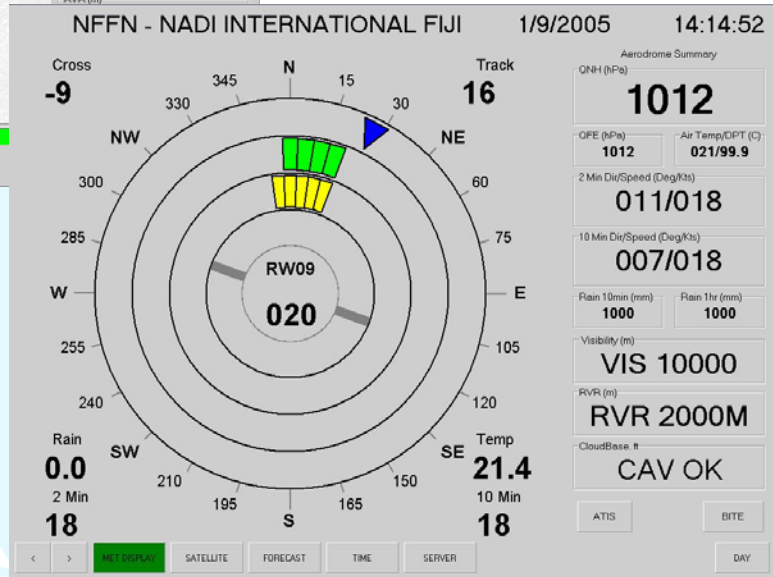
options open to our customers. This ensures your airports weather systems always operate with the highest possible level of safety at the peak of efficiency.

MTECH's team of aviation weather experts continually track the latest changes in ICAO standard and recommendations as well as compliance with WMO regulations. This information we pass onto our customers throughout the lifetime of our relationship.



Seen at left is the MITAS Surface Weather display. This gives the ATC controller a concise and clear view of the weather situation for the airport.

Seen at right is a zoomed view of a wind sensor site. This is a familiar and comprehensive display of weather variables for a particular location.



Seamless Integration

The MITAS system uses an open software and system architecture that allows seamless integration into any airports information and communications infrastructure. Meteorological and other mission critical data can be transferred effortlessly into any ATC, airport-wide service and maintenance systems, 3rd party and other meteorological systems your airport may have. The MITAS software suite can be run on the Windows® and Linux environments to optimally support and comply with the existing airport IT infrastructure.

A Friendly Face.

The MITAS user interface has been designed by a team of aviation weather experts and computer programmers in consultation with ATC and aviation MET professionals to ensure that the end product is the best



CASE | Palembang International

MTECH supplied a fully customized automated weather observing system to Palembang, Indonesia in 2006. the system incorporates a full suite of aviation met products such as ATIS, RVR, Cloud, Surface weather and satellite weather radar. All data is delivered to users spread throughout the airport from the ATC VCR to the training and MET sections.

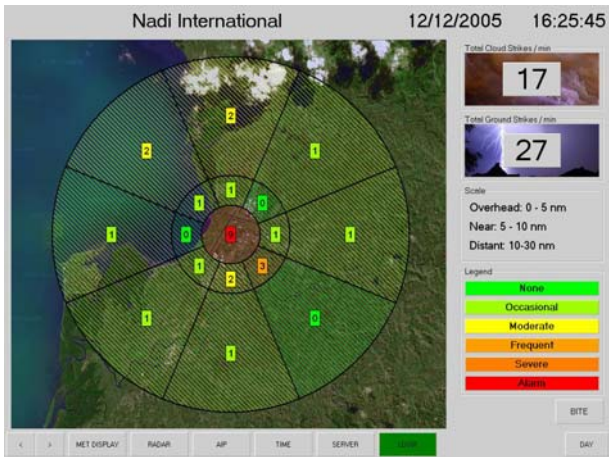


user display available on the market today. Have a look at some of the screenshots on the next few pages and this will tell a story of a clear, well formatted and readily understandable data presentation software display that is intuitive and easy to use. The story does not end with the client displays either. The back-end software tools that ensure the reliability of the system are also equally as well laid out and easy to use.

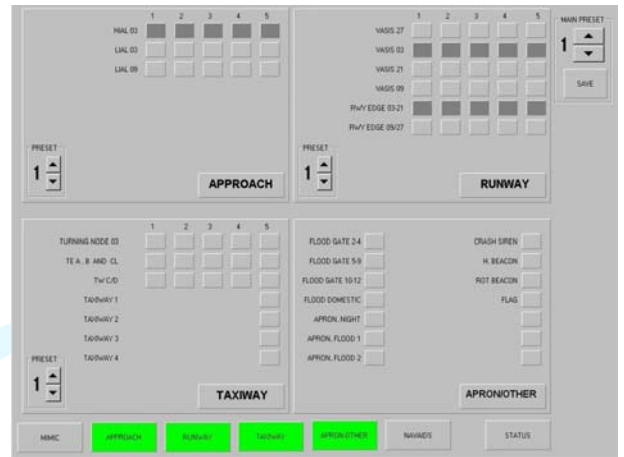
Tasks such as backing up data, checking processes, monitoring equipment and updating components are all made easy through the suite of system management software tools.

Loud and Clear.

The MIAS system architecture has been built on the power of IP networking. The system can span a few hundred meters or across the entire globe. Airports can be networked to share



Lightning strike graphic module with support for multiple sensors, alarm ranges and customizable alarms notifications.



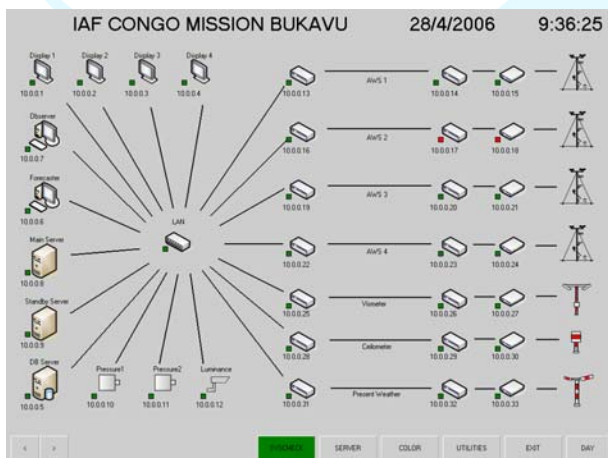
Runway Lighting Module with support for multiple preset configurations and individual lighting control when available on your lighting system.



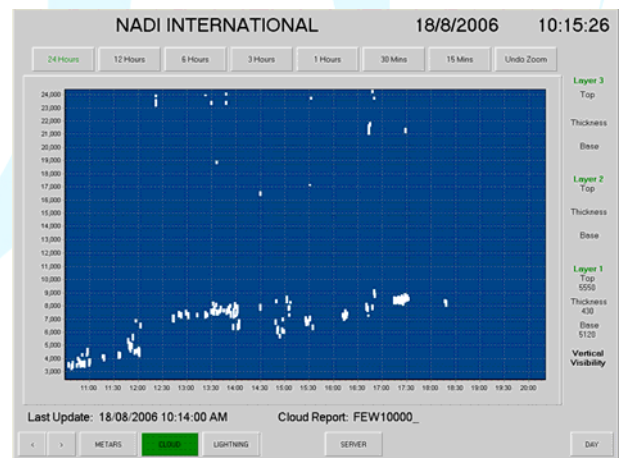
Video Cameras Module with support for an unlimited number of individual network enabled video cameras.



Runway Visual Range Display with support for two runways per module and up to eight individual sensor locations.



System check module with real-time graphical display of all system elements and their operational status.



Cloud graphing and report module. Display of cloud data over three layers and a time period of between 15 mins and 24 hours.



COMPAQ

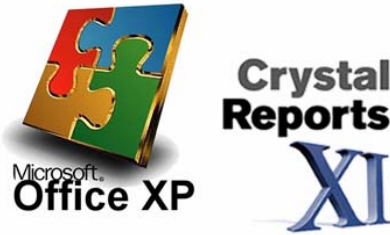


Trusted ePlatform Services



Servers, Workstations and Touchscreen Displays

Supported Operating Systems



SQL Database Technology

Many 3rd party data analysis tools supported

weather data together to increase safety and efficiency.

Highly Compatible

MTECH SPSI devices allow your legacy equipment to continue operating with the new. Almost all legacy communications protocols are supported by the MITAS system. There is no need to replace all your equipment when upgrading allowing a smooth transition to a modern digital AWOS system.

Maximum Uptime

Availability and reliability are key elements of the MITAS AWOS design. Redundancy is built in at key locations and the system can scale to meet your operational needs. Servers and communications can be duplicated to ensure continuous operations. Servers operate in hot-standby mode and work together operating in parallel ready to seamlessly take over all tasks as soon as it is needed. Failure of any single part of the system will not affect



CASE | Fiji International

MTECH Systems supplied three fully customized Automated Weather Observing Systems to Airports Fiji Limited (AFL) of Fiji in 2006. The systems were to service the countries two international airports Nadi & Nausori and for Savusavu airport. The systems use the latest in software, solar power and communications technologies to allow for a rapid, economical deployment of a comprehensive and reliable system. In conjunction with AFL MTECH designed interconnects to several other 3rd party systems used at their sites.



the systems operation. The whole system is designed to ensure maximum business continuity for your airport.

Future Proof

The use of open networking protocols allows for easy co-location with your existing infrastructure and the use of COTS equipment to build robust information network that keep your costs down and increase your reliability. This you to connect almost any device, network or system. AFTN, ATIS, FTP, ATM IP Cameras, VOIP, Voice switches, Lighting detectors, Transmissometers, Ceilometers, or any type of weather sensor or data logger.

An Easy Choice.

If you need a world class, reliable and economical AWOS system that is fully compliant and allows you to expand when you want and how you want then you need to start a partnership with...

MTECH Systems Pty Ltd



Microsoft Office



MTECH Systems

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MTECH Systems has representation in over 50 countries. Please contact our sales team to begin work on your next project.