

MetWise® Enterprise

Bring comprehensive meteorological and hydrological data clearly and efficiently to all your decision makers. ENSCO's turn-key MetWise® Enterprise system can be used to visualize a vast repository of weather information and enables users to create and distribute the most effective decision assistance products.

Professional, but not complicated

With its intuitive graphical user interface, MetWise Enterprise offers the capability to overlay a wide assortment of targeted weather fields, while at the same time, toggling off overlays that are not important to the analysis. Simple menu layout, interactive mapping, and a three-button mouse enable users to load and sample thousands of time-sensitive products for virtually any weather sensitive operation. With this tool, support personnel can focus on mission-critical tasks now.

The choice of operational meteorologists

MetWise Enterprise was designed for meteorologists by meteorologists. More than two decades of development testbed work and workhorse operational environments has led to this unique, stable, and reliable system. These professionals have been involved in specifying the functions of the system and determining the processes by which the tasks are completed - guaranteeing that MetWise Enterprise will perform each operation exactly as is required in an operational environment.

Customize MetWise to meet your needs

Not only is each MetWise Enterprise feature customizable, but your individual system can also be configured to include features that will best support your

Acquire, manage, and visualize all types of meteorological data and interactively create customized real-time decision products.



MetWise Enterprise Features

- High-speed automated data delivery
- Acquire data directly from your NOAAPort Receiver System
- Support for up to three displays per client system
- Equipped to ingest most meteorological datasets
- User configurable macros
- Animation in multiple windows simultaneously
- High-resolution GOES satellite imagery
- Lightning detection available
- All NEXRAD radar sites in the continental U.S., plus Puerto Rico
- Domestic and international weather prediction models
- ENSCO mesoscale weather prediction model graphics
- Hurricane tracks
- Severe storm watches and warnings
- Easily create analysis and forecast charts to support decision-makers
- NCEP Redbook graphics
- GIS overlays
- Define air routes or other tracks on a map using mouse clicks
- View two simultaneous image overlays with fade between images capability

mission. You are in command to set up the system to view exactly what you want, as you want to see it. MetWise® Enterprise helps users fuse data into stable, repeatable decision products.

Macro capability

Users can save any user-created product as a macro to enable future rapid loading of user defined sets of imagery, model fields, and observations. With each macro, personnel can modify color fills, contour intervals, the number of overlays available, product time synchronizations, and more.

Domestic and worldwide weather data

Ingest and manage data from varied sources including surface and upper air measurements, lightning detection, NWS watches and warnings, U.S. NEXRAD level 2 and 3 products, International NEXRAD imagery, numerical guidance text and imagery, GOES/POES remote sensing imagery, ADS-B aircraft tracking.

User specific add-ons

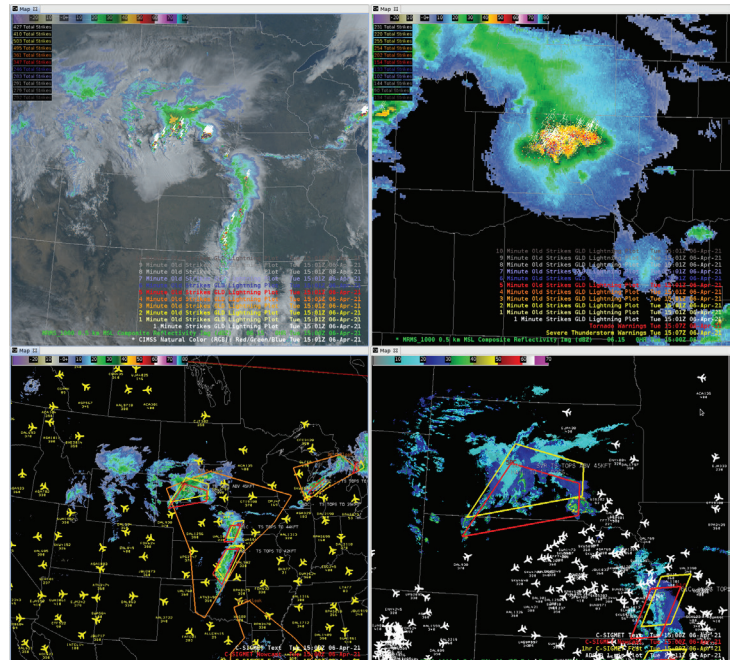
ENSCO supports development processes to effectively aid in customer needs. Below are several features we have either created or improved upon.

- Created an ADS-B tracking overlay that can be used in conjunction with other meteorological overlays.
- Expanded tropical cyclone graphical products for all basins – globally.
- Upgraded the product suite to include a linear forecast track, cone and radii of uncertainty, ocean-based wind radii, and storm track history.
- Added tropical cyclone aircraft reconnaissance data to the display system.

Output and dissemination methods

The contents of any screen can be printed to a hard copy on any supported network printer. All maps and products can be saved and disseminated directly to customers or copied to a website.

- Complete interactive preparation and distribution of graphic products, text products, briefings, and other decision products. This function is easily expanded into a multi-site interactive collaboration tool with voice and video.



On-screen analysis

Includes 2-D horizontal planes, vertical cross sections, sampling, and upper-air profiles capabilities. Sophisticated animation offers variable-speed and user-controllable forward and reverse speed controls.

