

## WEATHERPAK® EOC NETWORK

### Incredibly Easy to Install, Maintain and Operate

#### What is a WEATHERPAK® EOC Weather Station?

Continuing the legacy of innovation that began thirty years ago with the first WEATHERPAK®, Coastal Environmental Systems introduces the latest addition to the product line, the WEATHERPAK® EOC fixed-network weather station. Uniquely suited for emergency management applications, WEATHERPAK® EOC is easy to install, easy to operate, withstands severe conditions and is accurate and reliable. Standard sensors

include an ultrasonic “no-moving-parts” wind sensor and air temperature. The built-in GPS and electronic compass that automatically aligns to True North eliminate alignment errors during installation. Relative humidity and barometric pressure sensors can be added to meet your local requirements.

WEATHERPAK® EOC measures wind speed, wind direction and temperature every second, then computes a 5-minute running average of the accumulated data and calculates “wind stability”—required data inputs for most plume models. Stability (turbulence or mixing property) of the air has the greatest influence on distribution and concentration of hazardous airborne materials. These models display potential movement of airborne hazardous chemicals and can provide insight into the general movement of smoke, nuclear and biological materials.

The integrated temperature sensor, optional relative

humidity and barometric pressure sensors, and the electronics are sealed inside the aluminum housing providing unequalled protection.

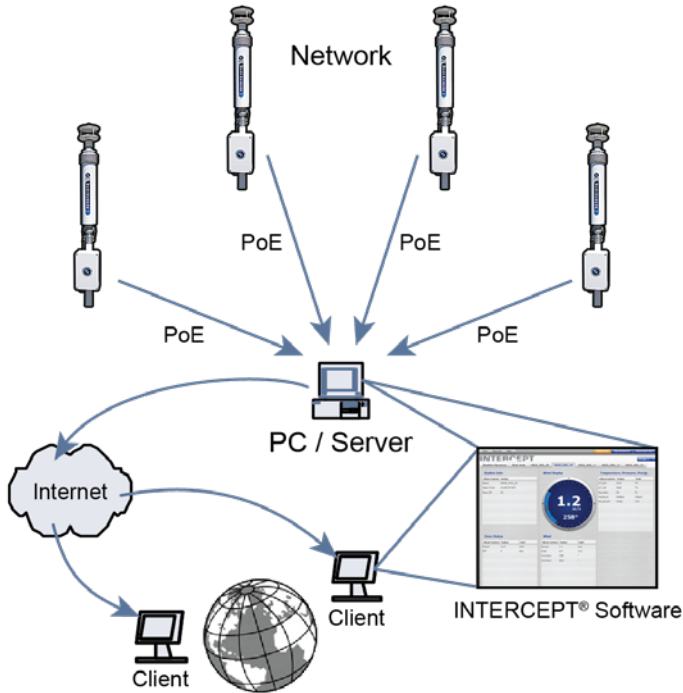
#### Why choose a WEATHERPAK® EOC Weather Station?

**Designed to withstand the harshest environments –** Extremely rugged and designed to intrinsically safe standards, WEATHERPAK® EOC is constructed of marine grade aluminum. The electronics are hermetically sealed and will survive the harshest environments. WEATHERPAK® is designed to meet MIL-STD-461E (EMI) and MIL-STD-810F (extreme environments).

#### Key Features

- *Single integrated device – fast, easy installation*
- *PoE (Power over Ethernet) – one cable power and data retrieval*
- *Built-in GPS and electronic compass – automatically aligns to True North*
- *On-site real-time weather data*
- *Accurate and reliable*
- *No-moving-parts ultrasonic wind sensor needs no periodic calibration*
- *Designed to meet MIL-STD-461E for EMI interference and MIL-STD-810F for severe environmental conditions*
- *Professional grade, best value*
- *Purchase may qualify for federal grants*
- *Automatically feeds data into dispersion software*





**Quick and easy installation** – Identify the site, install the station, plug in one cable – the WEATHERPAK® and INTERCEPT® software does the rest!



**Power-over-Ethernet (PoE)** – One cable provides power to the system and retrieves the data. Easily installed—even by non-technical staff.

**Networking** – Quickly create a weather station network anywhere. Ethernet access is available.

**Optional Sensors:**

- **Relative humidity** – Helpful when determining fire danger index, work-rest cycles and general weather interest.
- **Barometric pressure** – Provides station pressure helpful for determining changes in weather conditions (e.g. frontal passage, approaching storms, etc.)

**Multiple permanent mounting options** – Whether installed on a building, utility pole or other permanent structure, WEATHERPAK® EOC readily adapts to a wide variety of commercially available mounting solutions. Please contact your Coastal representative for additional installation information.

**Secure Display Software** – Add Coastal's INTERCEPT® software for easy browser-based data collection, computation and display. INTERCEPT® provides alerts and alarms, permission controlled data access via the World Wide Web, station polling and archives data.

**Automatically updates CAMEO®/ALOHA®** – and most other plume modeling software.

**Proven in the field** – For over 30 years WEATHERPAK® has been the “number-one” weather station choice for civilian emergency responders, every branch of the U.S. military, and other government agencies concerned with public safety and homeland security.

For more information, call  
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