

## POSEIDON

### Facility Monitoring & Warning System

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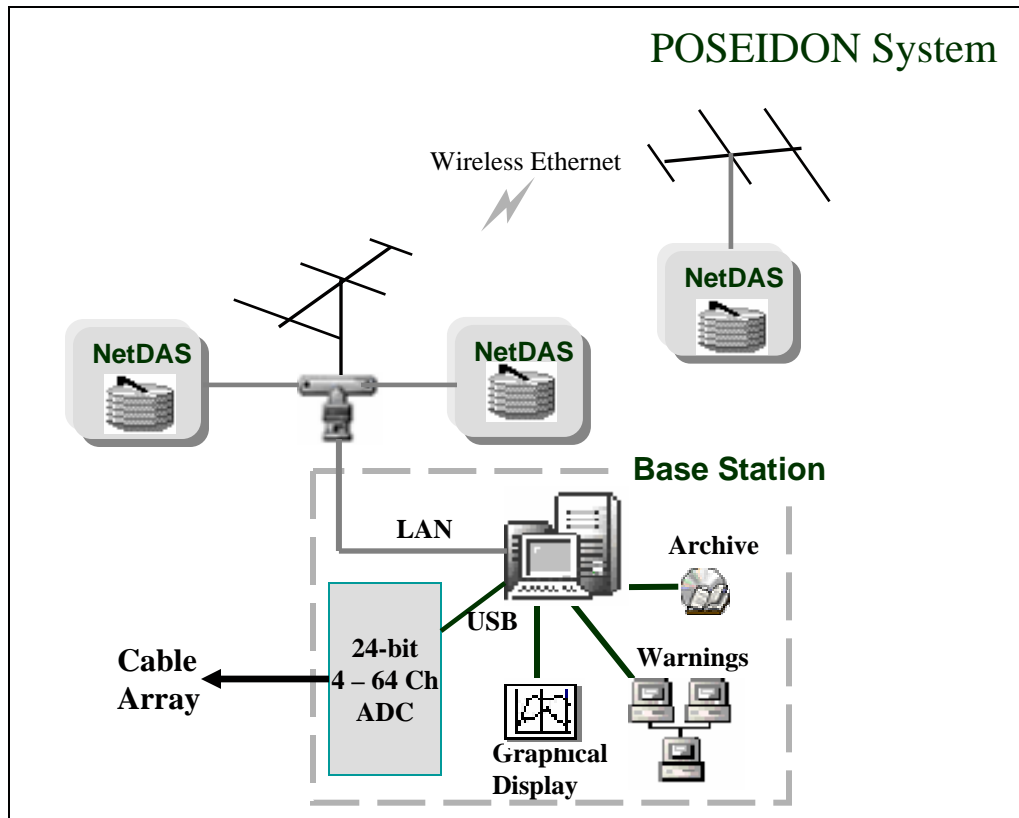
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## Features and applications

- Oil and Gas, nuclear facilities, bridges and dams
- Sub-surface resource studies
- Failsafe and redundant operation
- Seismic alarm/shutdown/early warning
- Uses existing Ethernet, wireless, or fibreoptic cabling
- Hard-wired arrays of up to 128 channels at 24-bit
- Relay, serial, and Internet messaging
- Status and warning lights
- Operates under *Microsoft Windows XP/Vista*
- Unlimited expandability
- Acceleration, temperature, pressure, and other sensors
- Accelerometer self-test
- High-resolution (24-bit) data
- Auxiliary digital and analog inputs
- Delivered as turn-key system with on-site support



POSEIDON is a facilities monitoring and warning system compatible with existing cable infrastructure for easy and low-cost connectivity. NetDAS sensory data are transmitted continuously to the Base Station via the Ethernet, wireless, fibreoptic or analog cable (down-hole and wired arrays). The Base Station provides real-time recording, warning messages and status indicators, graphical display, relay closures, and bridging to other plant networks. POSEIDON is configured to meet each customer's specific requirements and is delivered as a turn-key system with complete operational manuals, on-site training and Factory/Site Acceptance Test procedures.



## Specifications

Timing options	Network time server; GPS; TCXO (up to 100- $\mu$ sec accuracy)
Channel count	Unlimited
Analog inputs	24-bit; 10—3000 samples/sec; up to 120-dB dynamic range
Triggers	Level; average (STA/LTA); CAV; spectral analysis
Self-test	Automatic programmable self-test of accelerometers with error flag
Warnings	RS-232/RS485; relay contacts; TCP/IP messages; TTL; LEDs
Networks	TCP/IP; Ethernet; fibreoptic (optional bridge to industrial networks)
Central computer	Industrial server; 15" TFT monitor; keyboard; trackball mouse
Bundled software	Graphical display; triggers; logger; formatter; data concentrator
Auxiliary I/O	Digital I/O; 10-bit analog; 4—20-mA current loop
NetDAS interface	Browser ( <i>Microsoft Internet Explorer</i> )
Operating systems	<i>Microsoft Windows XP/Vista/Linux</i>

## Contact Information

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