

POSEIDON

Seismic Monitoring & Warning System

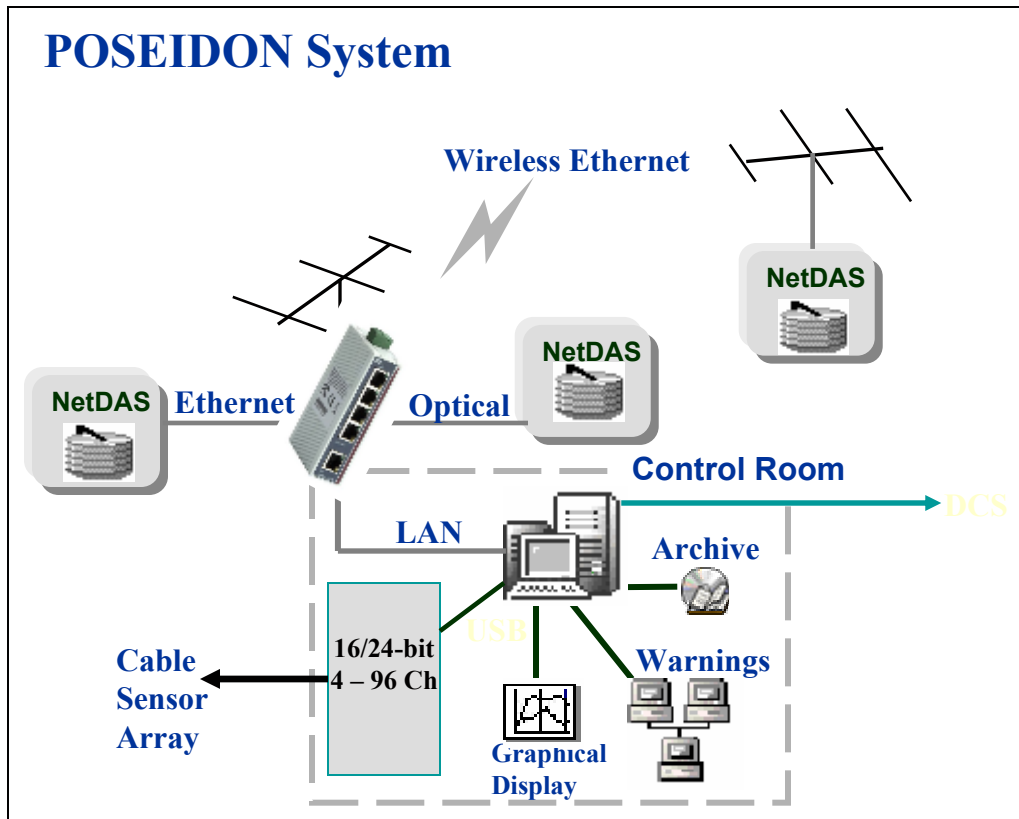
1245 Bridger Hills Drive
Bozeman, MT 59715 USA
www.daqsystems.com
+1-406-586-8028

Features and applications

- O&G, large structures, rail lines and geothermal
- CO2 sequestration monitoring
- Configurable in cost and capabilities
- Failsafe and redundant operation
- Seismic alarm/shutdown/early warning
- Uses existing Ethernet, wireless, or fiber optic cabling
- Hard-wired arrays of up to 32 channels at 24-bit
- Relay, serial, and Internet messaging
- Status and warning lights
- Operates under *Microsoft Windows XP®* or Linux
- Unlimited expandability
- Acceleration, displacement, pressure and other sensors
- Remote accelerometer self-test
- Interface to DCS
- Delivered as turn-key system with on-site support available



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 Poseidon Base Station via Ethernet, wireless, fiber optic or analog cable (down-hole and wired arrays). The Base Station provides (as a minimum) remote access, real-time recording and graphical display. Optional warning messages, status indicators, relay closure, specialized triggering and bridging to other plant networks is also available. POSEIDON is configured to meet each customer's requirements and is delivered as a turn-key system with complete operational manuals, optional on-site training and Factory/Site Acceptance Test procedures.



Specifications

Timing options	GPS (100- μ sec accuracy) or local oscillator
Channel count	Unlimited
Analog inputs	24-bit; 10—960 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; relay contacts; TCP/IP messages; TTL; LEDs
Networks	TCP/IP; Ethernet; fiber optic (optional bridge to industrial networks)
Central computer	Industrial server; TFT monitor; keyboard; trackball mouse
Bundled software	Graphical display; triggers; logger; formatter; data concentrator
Auxiliary I/O	Digital I/O; 10-bit analog
NetDAS interface	Remote Desktop (Windows), SSH (Linux)
Operating systems	<i>Microsoft Windows XP® or Linux</i>

Contact Information

DAQ Systems, Bozeman, MT, USA
Voice: +1-406-586-8028
Email: inquiry@daqsystems.com
www.daqsystems.com