DAQ SYSTEMS

POSEIDON

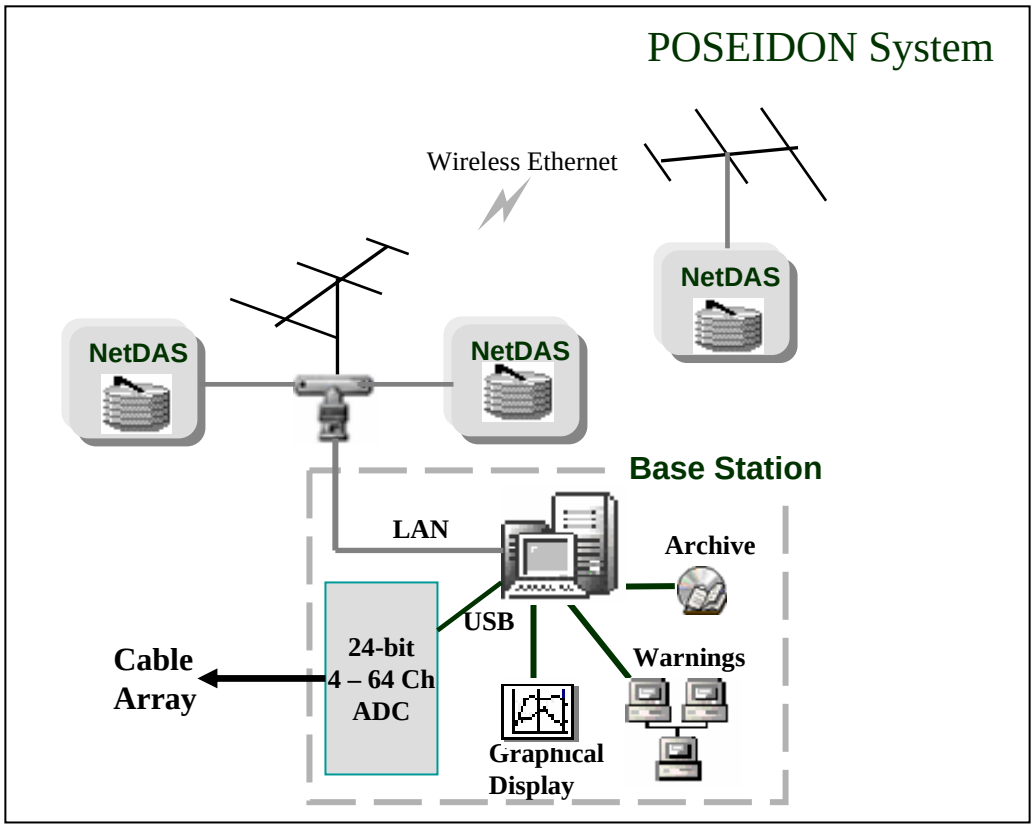
Facility Monitoring & Warning System

F e a t u r e s and applications

- **Oil and Gas, nuclear facilities, bridges and dams**
- **CO_2-sequestration monitoring**
- **Subsurface resource studies**
- **Failsafe and redundant operation**
- **Seismic alarm/shutdown/early warning**
- **Uses existing Ethernet, wireless, or fibreoptic cabling**
- **Hard-wired arrays of up to 64 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**

Base Station

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	GPS (100-µsec accuracy) or local oscillator
Channel count	Unlimited
Analog inputs	24 bit; 10—480 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	Remote Desktop (Windows), SSH (Linux)
Operating systems	*Microsoft Windows XP/Vista®, Linux*

Sales and Contact Information

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