

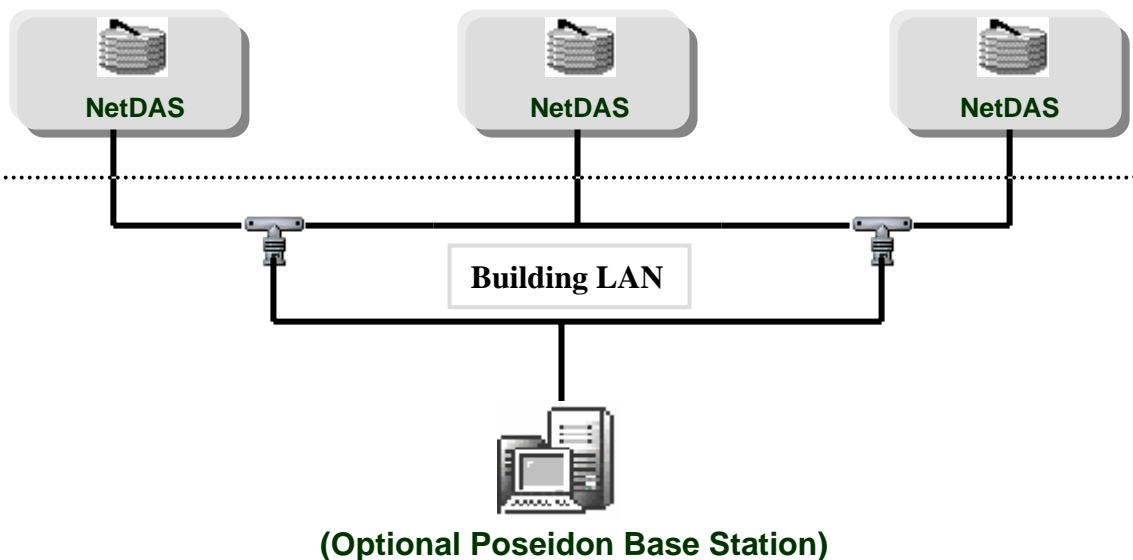
## CRONOS Accelerograph System

### Features and applications

- Satisfies building code for seismic monitoring
- Uses building Cat-5 cable for interconnections
- Common timing via Master Clock
- LED indicators for Event and RUN
- Five earthquake-Magnitude range ( $M_L$  4—8)
- Rugged solid-state design
- Complete package includes installation
- Remote maintenance via the Internet



### Typical tall-building array .....



# CRONOS Strong-Motion System

The CRONOS System consists of two or more NetDAS accelerographs interconnected via the building's Local Area Network (LAN) . By employing the LAN (as opposed to older analog interconnect cables) greater flexibility in communications, access and maintenance is achieved. The Master NetDAS servers time to all other NetDAS units. If the LAN is connected to an Internet gateway CRONOS can be maintained and earthquake data retrieved without site visitations. This results in considerable cost savings over older technology where each site needed to be visited periodically.

## Specifications

Accelerometer range	+/- 4-g full-scale range
Dynamic range	> 100 dB
Common timing	Master Clock (GPS option)
Common triggering	Via LAN subnet
Power consumption	4 watts
Analog channels (3)	24-bit; 10—480 samples/sec
Triggers	Level, average, or Ethernet message
Pre/post-event memory	30 minutes standard; unlimited (optional)
Recording capacity	180 minutes; removable (hot-swap) Secure Digital (SD), 2 GB
Self-test	Programmable system self-test
LED indicators	Run (State-of-Health) and Event
Enclosure	Industrial crush-proof cast-Al housing; 4-bolt mounting pattern; 8" x 9" x 7"; 13 lb; NEMA-12 (4X optional)
Operating temperature	-20° to +60° F
Central computer (Poseidon option)	Windows XP/Vista 32-bit server, 15" TFT monitor, keyboard-trackball mouse (optional)
Auxiliary I/O	Digital I/O, 10-bit analog (option)
Orientation	X-Y-Z axes marking on cover
Internal back-up battery	12-AH sealed lead-acid battery, 5-year rating
External back-up battery (option)	24-AH sealed lead-acid battery, 5-year rating

## Sales and Contact Information

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**Strand Earthquake Consultants, Los Angeles, CA, USA**  
**Voice: +1-310-473-2316**  
**Email: [strandearth@aol.com](mailto:strandearth@aol.com)**  
**[www.strandearthquake.com](http://www.strandearthquake.com)**