To record signals provided by a variety of sensors measuring different characteristics (temperature, pressure, acceleration, etc), particularly in dynamic testing when the recording time is extremely short, Euroconsult Nuevas Tecnologías uses extra-high-performance data acquisition equipment with 32 input channels.

This ed	quipment can simultaneously	display all 32 in	out channels at s	sampling speeds o	f up to 20
KHz in	high resolution images on a	single screen.			

The data recording system can display waveforms, simulate graphic records, print and record data on an extractable hard disk in real-time. All 32 channels are recorded with no multiplexing.

The 32 channels are configured as follows:

- 8 analogue channels.
- 8 differential channels.
- 16 digital channels.

Applications:

- Static and dynamic structural load testing.
- Measurement and analysis of vibration and noise.

Test-bed instrumentation.
Analysis of prototypes.
Geotechnical and geophysical instrumentation.
Non-destructive acoustic analysis.