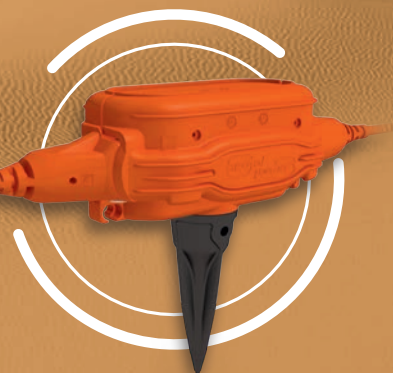


NEW

— LAND
↓ DOWNHOLE
~ SEABED
≡ MARINE



508^{XT}
Powered by X-TECH[™]



Ahead of the Curve[®]

508^{XT} Powered by X-TECHTM

+ + + +
+ +
+ + + +
+
+



CX-508

// 508^{XT} IS THE NEW PARADIGM IN LAND SEISMIC ACQUISITION



FDU-508



DSU1-508

508^{XT} is Sercel's new cross-technology (X-Tech) powered land seismic acquisition system, driving productivity, data quality and adaptability to a new level.

With a 1 million channel real-time recording capability **508^{XT}** offers unparalleled image resolution. The **508^{XT}** platform also introduces **QuietSeisTM**, a new, high performance digital sensor based on next generation MEMS, allowing seismic signals to be recorded with instrument noise levels three times lower than before.

The **508^{XT}**'s new X-Tech architecture is composed of **XT-nodes** that can consist of as few as 1 or up to as many as 100 or more analog or digital channels connected to a CX-508 concentrator. This new X-Tech architecture combines the best of cabled and wireless system technologies by allowing XT-nodes to be run autonomously with local storage and system QC or connected to the spread with full real-time data transmission to the central recorder.

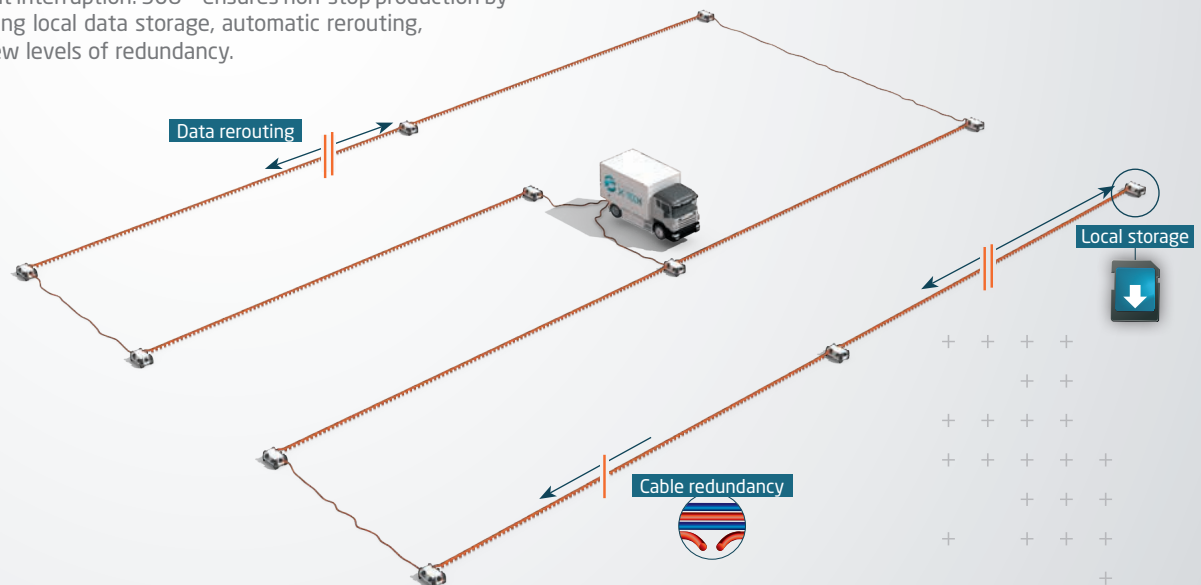
With a reduced weight, up to 25% fewer people per crew and up to 100 times less batteries than competing systems, **508^{XT}** increases productivity and significantly reduces acquisition costs.

Features & Benefits

// HIGH PRODUCTIVITY

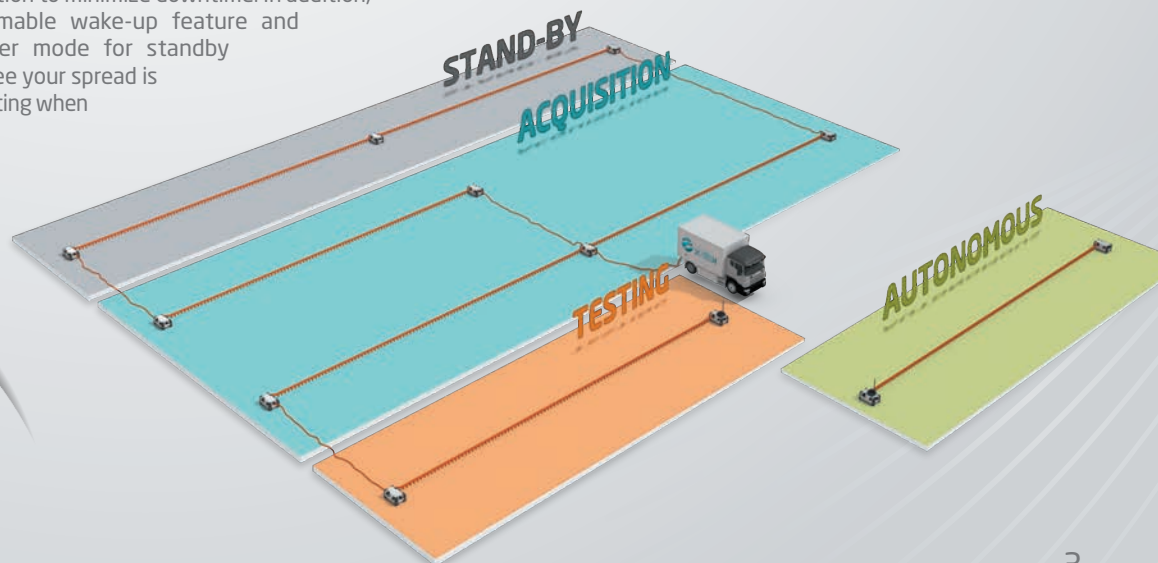
PRODUCTION WHATEVER HAPPENS

The X-Tech architecture allows all data handling elements to communicate with each other to transmit data seamlessly, at high speeds and without interruption. 508^{XT} ensures non-stop production by featuring local data storage, automatic rerouting, and new levels of redundancy.



ZERO DOWNTIME

Thanks to the new X-Tech intelligent network, 508^{XT} allows troubleshooting and testing of the line to be carried out during production to minimize downtime. In addition, the programmable wake-up feature and the low-power mode for standby units guarantee your spread is ready for shooting when required.



// UNEQUALLED DATA AVAILABILITY & INTEGRITY

100% QUALITY CONTROL

508^{XT} ensures continuous realtime system QC (Battery Status, GPS, Memory...), whether through the line or via 2.4GHz radio communication.

RAPID DATA DELIVERY

508^{XT} guarantees fast data delivery by featuring a high speed line network and advanced harvesting capabilities on autonomous segments.



// COMPLETE ADAPTABILITY

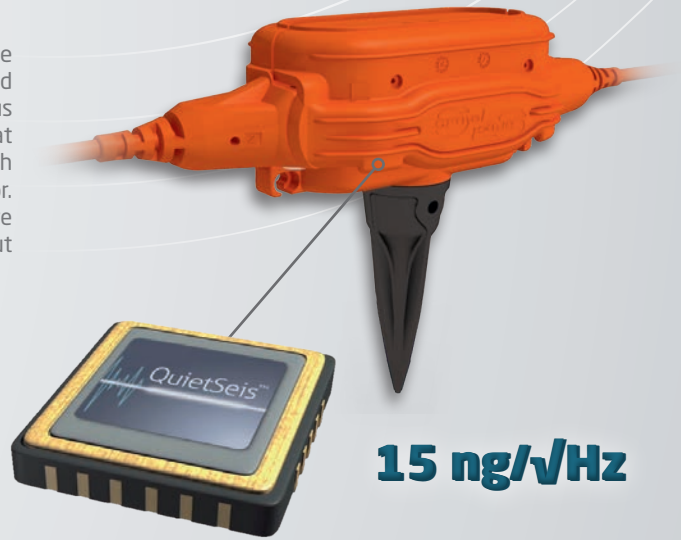
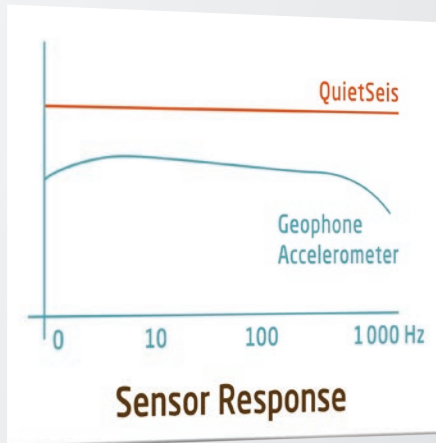
For any survey size, any source and sensor type, any condition and any terrain, 508^{XT} will meet your need in a single versatile system.



// BEST DATA QUALITY

QuietSeis™ is the new high-performance digital sensor based on next-generation MEMS.

With a noise floor as low as 15ng/√Hz and below the ambient noise in any part of the world, it can record seismic signals three times lower than the previous generation. This broadband sensor offers a linear & flat amplitude and phase response over a large bandwidth (from DC to 800Hz), superior to any other type of sensor. It is fully calibrated with respect to gravity and insensitive to external perturbations. Its distortion (-90dB) is about 30dB less than single geophone based sensors.



Fully integrated with the 508^{XT}, which offers mega-crews the ability to record up to one million channels in real time, QuietSeis provides the most accurate data for any type of survey.

// OPTIMIZED FOR HSE & SD

By reducing the human and carbon footprint through better built-in fault tolerance, lower power consumption and optimized system weight, we are staying true to our fundamental values by delivering an innovative high-quality system that is both sustainable and safe.

REDUCED CARBON FOOTPRINT

- The lightest system ever.
- Low power consumption.



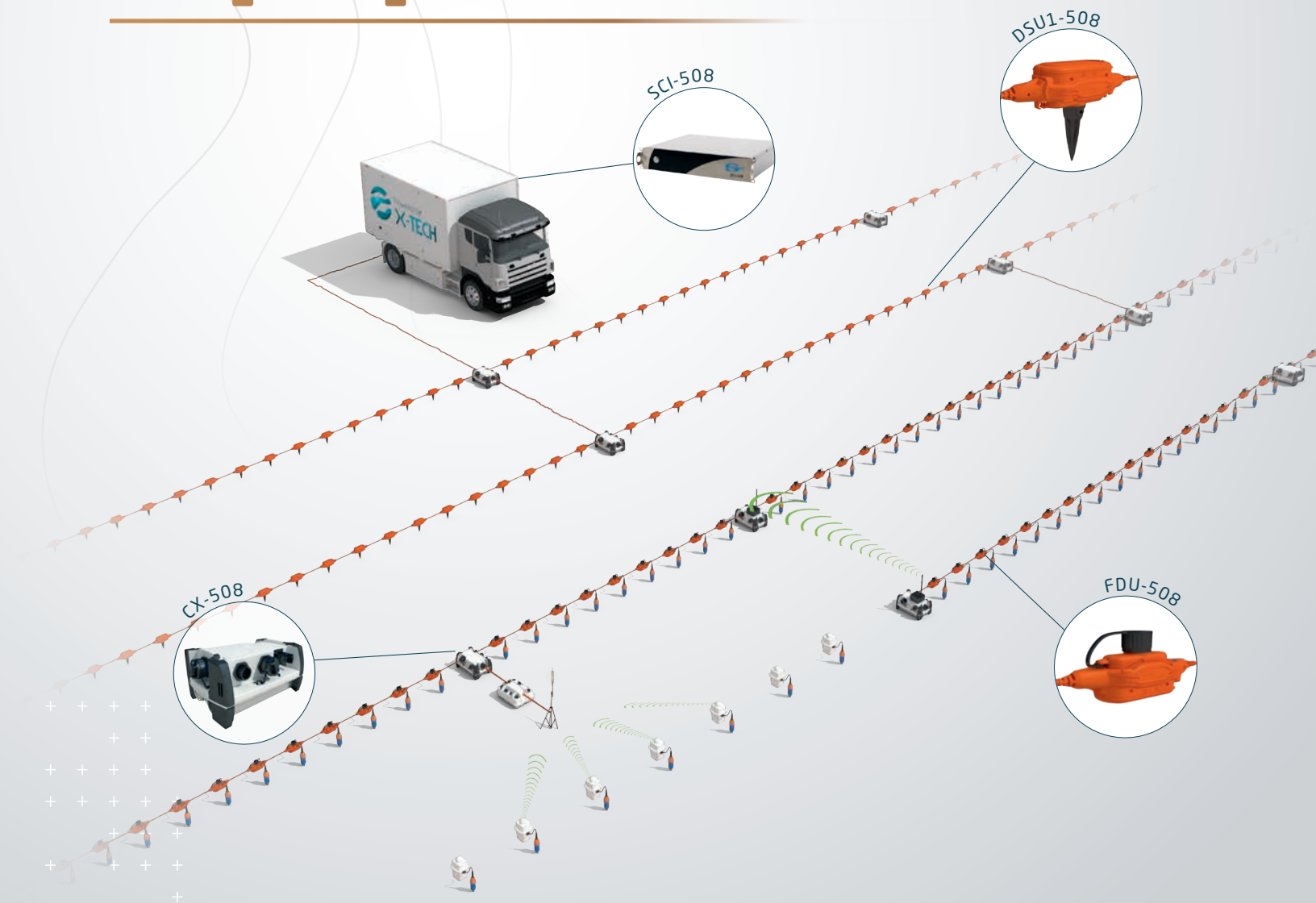
RECYCLING

- Up to 100 times less batteries to recycle.
- RoHS Lead free electronics.

OPPORTUNISTIC TROUBLESHOOTING

Ability to postpone any repairs to when it best fits your schedule.

Equipment



DSU1-508

- 1-C Digital Sensor Unit
- QuietSeis MEMS Sensors



FDU-508

- 1-C Field Digitizing Unit
- Compatible with any geophone type



CX-508

- Data Flow management
- Data Storage capacity
- Integrated GPS



TFOI-508

- Fiber Optic transverse
- 2 Km max length
- 1 Gb/s



GEOPHONES

- Full Sercel range available



SG-5

SG-10

DEPLOYMENT TOOL

- Assigns stake numbers to channels in autonomous mode
- Pre-program setup during deployment



HARVESTING TOOL

- Data retrieval & QC checks

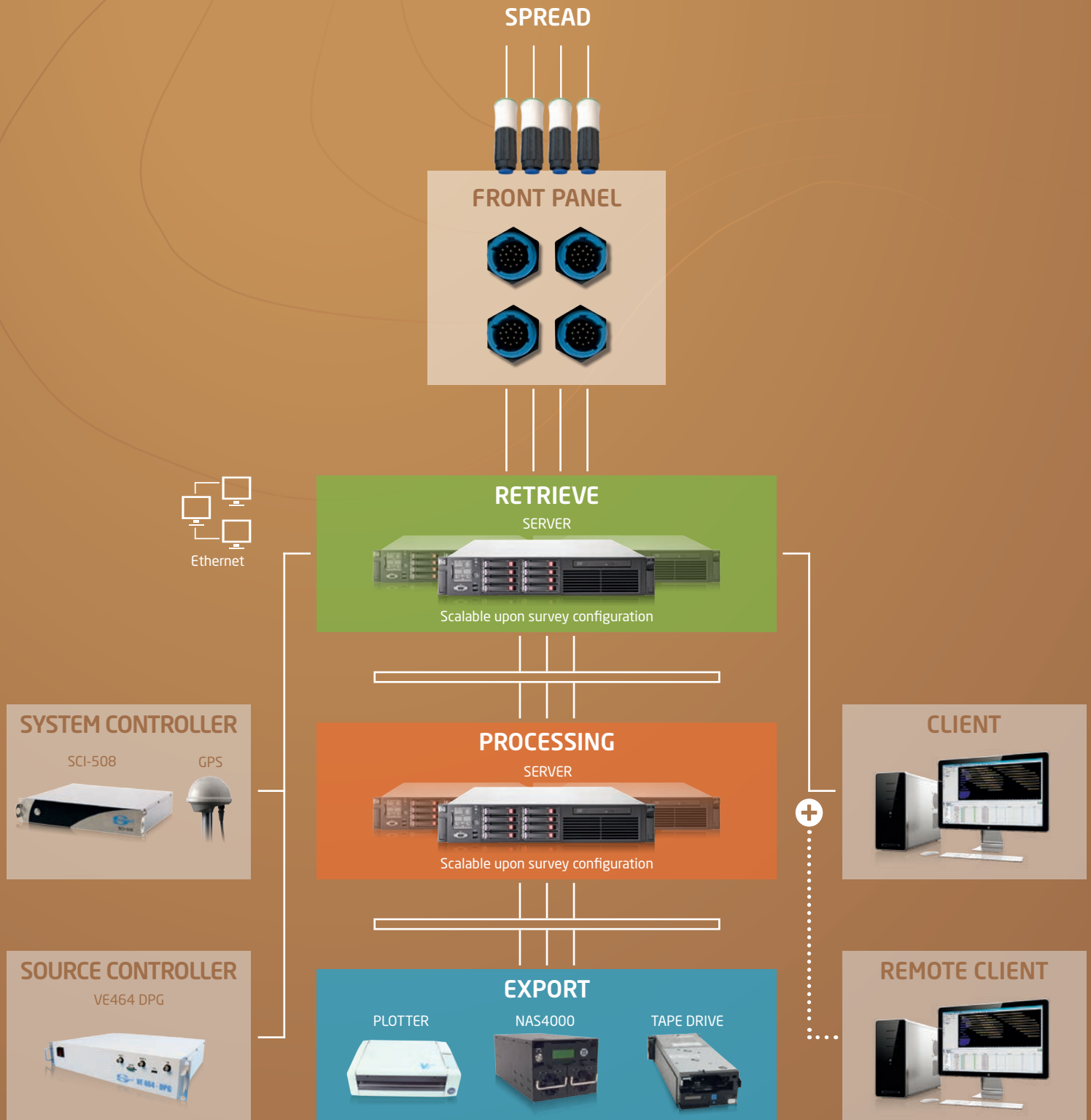
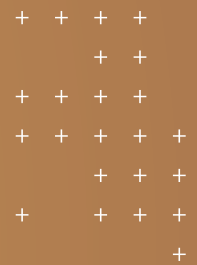


FIELD TESTER

- Line test function when connected to CX-508
- Troubleshoot field units in base camp



Recorder



SCI-508

- System Control Interface
- Source management
- Auxiliary channel management
- Network addressing of concentrators



GPS

- GPS time synchronization



SERVER

- Red Hat Linux OS
- Seismic data retrieval
- Seismic data processing



CLIENT

- User Interface
- Multi-Client configurations (local & remote)



VE464 DPG

- Vibrator / Recorder interface
- Advanced vibroseis strategies

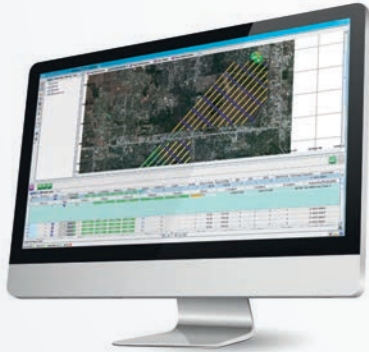


NAS 4000

- Network Attached Storage
- Up to 2TB disk capacity
- Raid 1 Disk feature



Software



Built-in spread, source and data management



Simplified setup



Integrated data QC capabilities



Native interface with VE464



All types of sensors (analog, digital 1C, 3C) and all types of operations (impulsive, vibroseis) supported



Full graphic adaptive & intuitive interface: 508 software adapts to the type of acquisition required



Sercel - France

16 rue de Bel Air
B.P. 30439 - 44474 CARQUEFOU Cedex
Téléphone: (33) 2 40 30 11 81
Fax: (33) 2 40 30 19 48
E-mail: sales.nantes@sercel.com
S.A. au capital de 2 000 000 €
Siège Social: 16 rue de Bel Air - 44470 CARQUEFOU
378.040.497 R.C.S. Nantes Code APE 2651B

Sercel Inc. - U.S.A.

17200 Park Row
Houston, Texas 77084
Telephone: (1) 281 492 6688
Fax: (1) 281 579 7505
E-mail: sales.houston@sercel.com

www.sercel.com

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Ahead of the Curve^{sr}