

Software Release 8.1

408UL

The screenshot displays the 408UL software interface with several key components:

- Top Left Panel:** Target information including Tgt name (12.26.18), Tgt dist (165.96), Tgt bearing (159.97), Tgt time (00:01:20), Speed (4.00), Course (159.0), and Hdg (159.0).
- Map:** Aerial view of a field with a target point and a distance to go of 166.27 m.
- Battery Graph:** A line graph showing Battery Limit and Battery Value over time (15:50:00 to 15:40:00).
- Pattern Setup Window:** A detailed configuration window for a pattern, including:
 - Table 1:** Shot/VP Id, Done, Absolute Sn, Spread Sn, Type, Process Type, Pattern Nb.
 - Table 2:** Impulsive Shooters (Name, Shot Id) with entries for nigel (341), don (123), and momo (123).
 - Delta Section:** Pattern Orientation (dms) set to 450000.00, and a table for delta X and delta Y at four positions.

- New functionalities
 - Data storage capabilities (IBM 3592, hard disks)
 - Increased maximum channels capacity
 - Vibrators GPS Guidance
 - Shooter driven acquisition
 - Batteries historical
- Support of new field equipment
 - LAUXS
 - SGD-S



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New Functionalities

DATA STORAGE CAPABILITIES

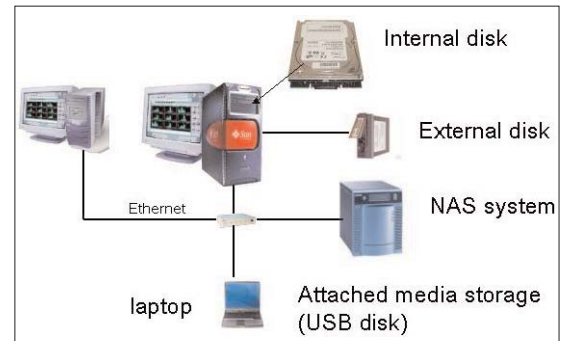
IBM 3592

With this latest software release, 408UL supports now the 3592 tape-drive format, the latest on-tape data storage technology from IBM, with its 40 MB/s data rate and 60 or 300 GB cartridges.

Hard Disks

The Recorded Seismic Data can be stored on some Hard Disks directly connected to the 408UL Central Unit in 4 different configurations :

- . Internal hard disk of the PRM (Processing Recorder Module-SUN Work Station)
- . External hard disk of the PRM
- . NAS System (Network Attached Storage) through the Ethernet network of the 408UL
- . External computer with its attached media storage (i.e. USB disks) through the Ethernet network of the 408UL.



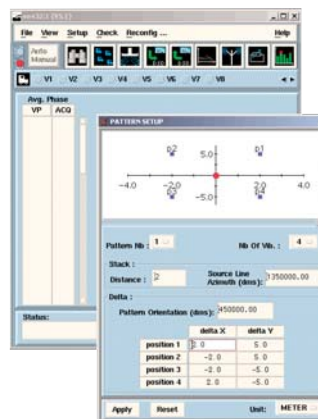
INCREASED MAXIMUM CHANNEL CAPACITY

Several CMXLs (Control Modules) can be connected together to overpass the maximum acquisition capacity of 10,000 ch real-time of each individual Control Module, and therefore give a total capacity of acquisition with virtually no limit.



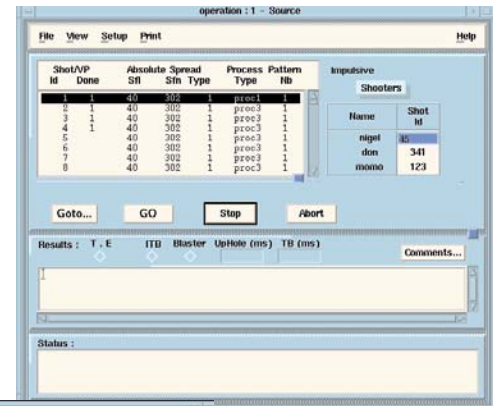
VIBRATORS GPS GUIDANCE

With this new functionality, the 408UL allows vibroseis stakeless operations. Each vibrator, equipped with a GPS, receives its guidance instructions directly from the 408UL Central Unit, letting it know where is located the next Vibrating Point and how to reach it. These instructions are displayed in the vibrator cabin in a very user-friendly and intuitive manner through a dedicated screen.



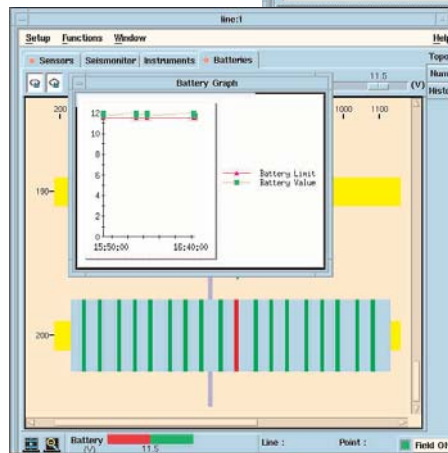
SHOOTER DRIVEN ACQUISITION

In a Multi-shooter mode, the 408UL gives now the possibility to each shooter to automatically let the Central Unit know at which stake he is and when he is ready to shoot in order for the System to detect the corresponding Shooting Point and get ready for the data acquisition. Each shooter must be equipped with the SGD-S shooting system (blaster + controller) and a GPS.



BATTERIES HISTORICAL

A new display within the Line Management environment of the HCI that allows the observer to display the last 24 hours of the battery level measurements in order to better track the battery discharges.



Support of new field equipment

LAUXS

New submersible crossing unit and transverse cable for shallow water operations down to 50 m water depth with the 408ULS System



SGD-S

New shooting system for dynamite sources designed and manufactured by Sib Geophys Pribor Ltd



Sercel - France

16 rue de Bel-Air

B.P. 30439. 44474 CARQUEFOU Cedex

Telephone: (33) 2 40 30 11 81 **Fax:** (33) 2 40 30 19 48 **E-mail:** sales@sercel.fr

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 332 B

Sercel Incorporated - USA

17200 Park Row

HOUSTON Texas 77084-5935

Telephone: (1) 281 492 6688 **Fax:** (1) 281 579 7505 **E-mail:** sales.hou@sercelus.com

<http://www.sercel.com>