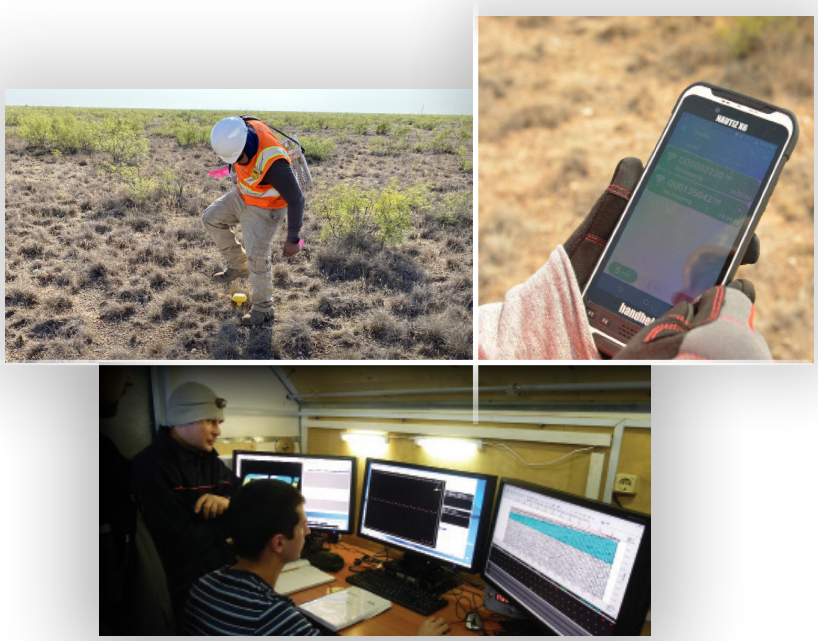
INOVA

iX Studio



OVERVIEW

iX Studio is INOVA's latest software that provides a modern, intuitive approach to seismic acquisition. iX Studio consists of a suite of software applications to support Quantum nodal operations including project setup, node configuration, QC and monitoring. The software readily scales to support any seismic acquisition project.

The software is typically executed on two primary computers in the system; the **Seismic Processing Module** (SPM) and the **Transcriber Processing Module** (TPM).

iX Studio software on the SPM is the command and control center of the system with unique QC and operational features designed to maximize productivity and conduct a quality seismic survey. The software executed on the TPM provides highly efficient data download from nodal stations, with a vast array of features and data deliverable options.

Corporate Headquarters: 13000 Executive Drive, Suite 100, Sugar Land, TX 77478 • p +1.281.568.2000 • www.inovageo.com

INOVA

iX Studio

SOFTWARE FEATURES

- Project configuration and survey import
- Mapping / tracking
- QC test result reporting
- Ability to display nodal test results
- Spread and template management
- Nodal QC status and data syncronization

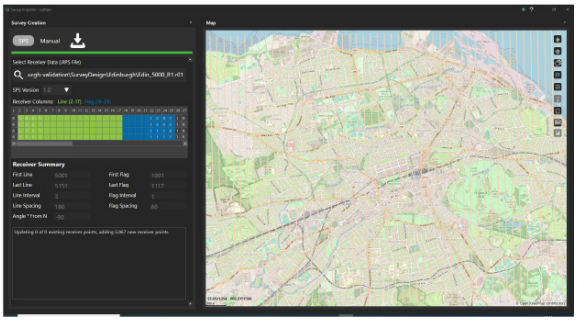
PROJECT CONFIGURATION

An intuiative application that guides users through project setup, including entering key operational parameters and Quantum settings for the project.

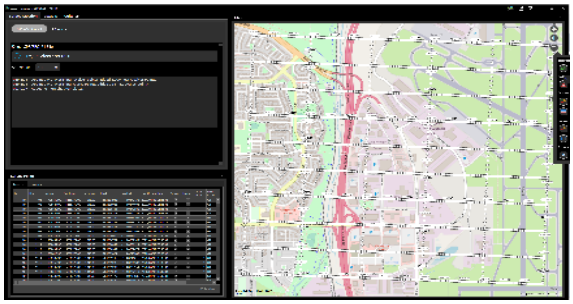
Operational parameters include sample rate, recording duration and limits for grading results from the Receiver QC application.

SURVEY IMPORT

A dedicated application to assist the user in the import of survey files, including the ability to view on a map display.



Survey Import suppports import of common file formats such as SPS or SEG P1.

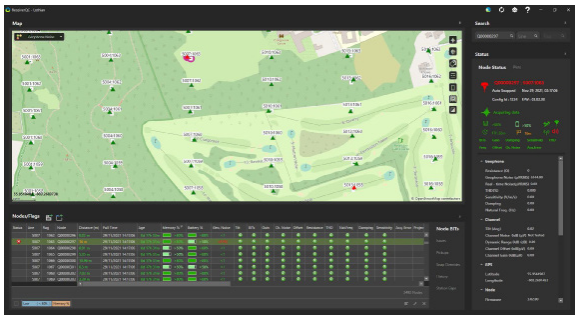


RECIEVER QC

Receiver QC is used to verify proper operation of Quantum deployed stations. Each station is assigned on the map as the equipment is laid out and QC data has been imported to the application.

All deployed stations are visable from a single display allowing the complete project to be viewed and managed.

Reciever QC provides color-coded status information from deployed nodes, detailed test results and graphical plots of key operating parameters such as battery, memory and noise.



In addition, background images can be loaded to provide spatially aware context relative to field characteristics.

LINX

The Linx application provides an interface between the project database and infrastruture in the field such as QC Tools, HyperQ and other forms of communication.

Corporate Headquarters: 13000 Executive Drive, Suite 100, Sugar Land, TX 77478 • p +1.281.568.2000 • www.inovageo.com

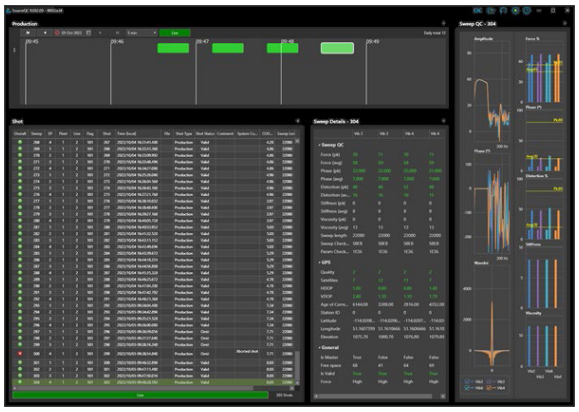
INOVA

iX Studio

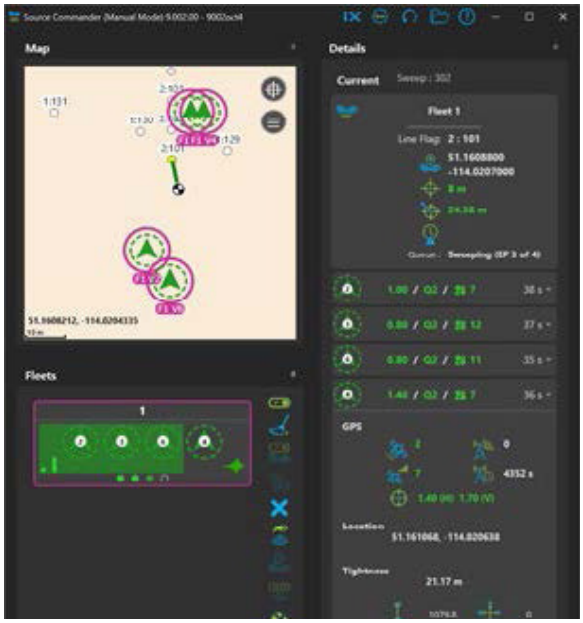
VIBROSEIS SHOOTING

Vibroseis Shooting mode allows the user to conrol all shooting activity from within iX Studio. Each shot is configured and displayed on the map for users to interact with.

Color coded status indicators are used in the tables and graphical displays of each shot for ease of visibility and user interaction.



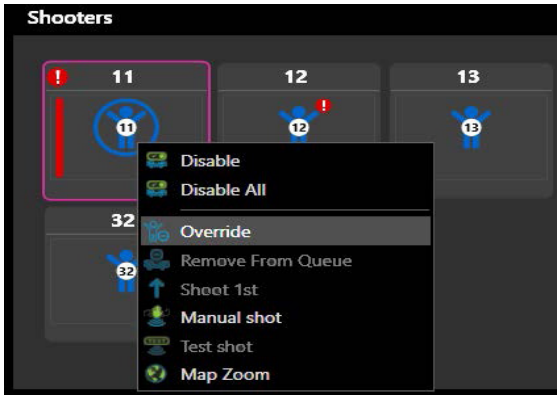
Vibroseis trucks are easily tracked and managed using the customizable map display where detailed sweep information and status is indicated as well.



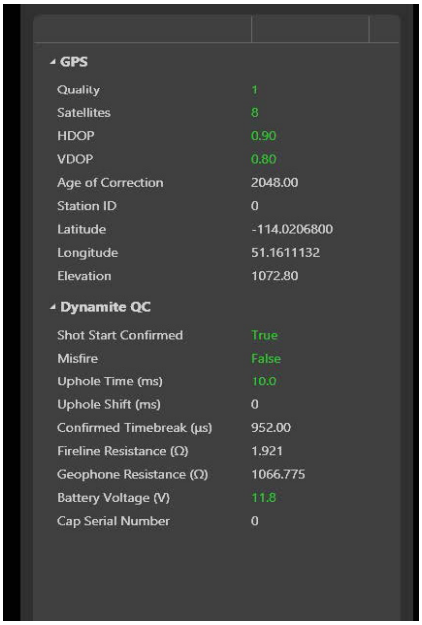
DYNAMITE SHOOTING

Allows full control over dynamite shootiing activity and management of operational parameters from within the application.

Intuitively adjust shooting parameters or choose from available actionable options to apply changes to dynamite shots.



Drill down into available shots to view information regarding shot status, positioning, and Dynamite QC.



Corporate Headquarters: 13000 Executive Drive, Suite 100, Sugar Land, TX 77478 • p +1.281.568.2000 • www.inovageo.com

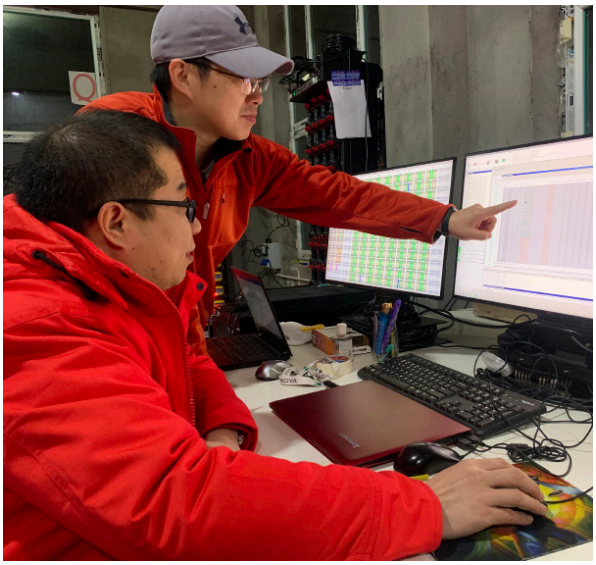
DOWNLOAD AND DATA MANAGEMENT

The transcription software is a complete data archive and QC computer used with the Quantum system.

Transcription software provides detailed reporting capabilities including trace recovery statistics, inventory management, correlation and geophysical data QC functions.

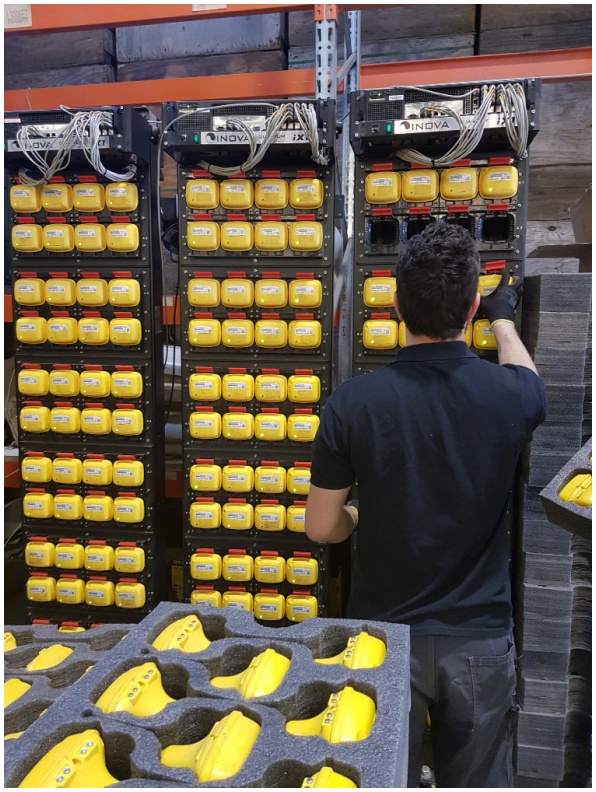
Transciption Processing Module (TPM) hardware includes internal Solid State Drives (SSDs) and an external configurable RAID of Hard Drives (HDDs) for vast data storage. An eSATA interface is available for writing data to delivery media.

The TPM computer connects to nodal stations loaded into customized download racks over high speed wired connection for fast data download.



FEATURES

- Seismic data download, sort and merge
- Shot and receiver gather creation
- Vibroseis correlation and stacking
- Node diagnostic hardware test
- SEG-Y or SEG-D output to external USB, eSATA hard drives or tape drive
- Geophysical data QC using iX1 Data QC
- Graphical and tabular reports
- Seismic trace yield
- Equipment and data management
- Final Deliverable SPS file export
- Seismic trace live/kill and geometry editing
- Automated workflows



Corporate Headquarters: 13000 Executive Drive, Suite 100, Sugar Land, TX 77478 • p +1.281.568.2000 • www.inovageo.com