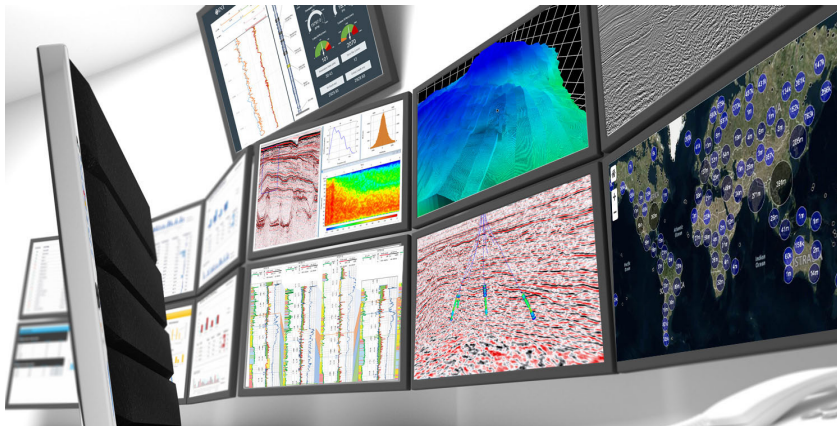# GeoToolkit™: Industry-Standard Libraries for Developing E&P Subsurface Data Visualization

GeoToolkit™ is a comprehensive set of **high-performance 2D/3D tools and libraries** that display **seismic, log, multilateral schematics, contour, real-time data, ArcGIS maps** in the cloud. Perfect for developers who want to build advanced domain-oriented software quickly.

> "Right now, there is no other alternative for us. There are not a whole lot of alternatives for oil and gas drilling companies unless they want to build from scratch."
>
> — *Product Developer*

KEY BENEFITS:

- Deploy **faster by embedding GeoToolkit libraries** versus building from scratch
- Backed by INT's **extensive industry and domain knowledge**
- Supports most subsurface data formats, including LAS, DLIS, WITSML, SEG-Y, SEG-D, and more
- Responsive **developer support, API, online documentation,** and a **developer community**
- Industrial Applications in the cloud: available in: (HTML5, C#/.NET, Java, and C++/Qt)

713-975-7434 | www.int.com

INT
Empowering Visualization

Combine well and seismic data.

Large volume rendering.

Build well correlation views of 1,000+ wells.

Integrates with ArcGIS and other services.

GeoToolkit Visualization Capabilities

WellLog
- Display and manipulate well data, including deviated wells
- Cross-section and well correlation (1,000+ wells)
- Create and edit custom graphics
- Support a wide range of data types: single, discrete, array curves, annotations, lithologies, markers, tadpoles, & more

WellSchematic
- Flexible graphics engine that accommodates a variety of applications
- Suitable for well design, BHA displays, or detailed wellbore schematic visualization
- Provides display components and data object models for downhole equipment

Seismic
- View, interpret, edit, and process seismic data quickly
- Sophisticated, comprehensive libraries
- Customizable file reader handles virtually all formats
- Variety of outputs—wiggle, variable area/density, interpolated density, color-filled modes, combination

Large Volume Rendering
- Improved performance for rendering very large datasets
- Supports interactive picking, lights (directional, spot, point), and an adaptive axis and grid
- Perfect for interpretation, 3D tool design validation, reservoir rendering, analysis, and QC
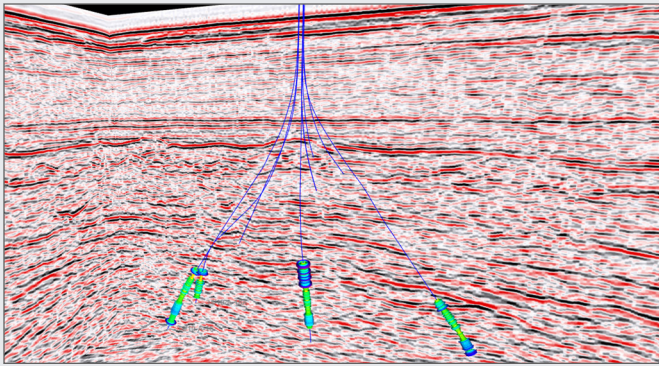
3D
- Efficient, high-quality 3D rendering for HTML5
- Feature-rich 3D library for professional applications in Oil & Gas, CAD, Engineering, and Mining
- Schematics, reservoir grid, compass, grid and axes, surfaces and height map, contour lines, pointset (microseismic), animations, picking, well trajectory, VTK parser for CAD import, & more
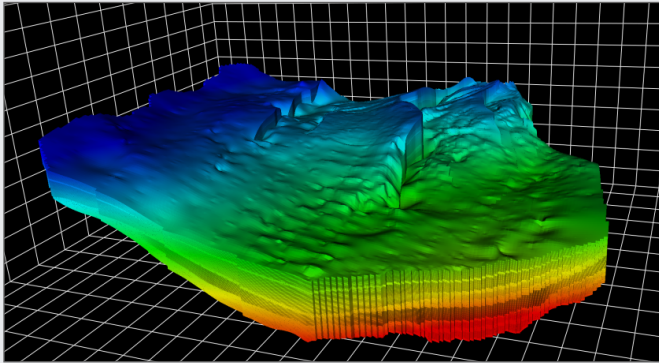
2D
- Underlying 2D graphics framework
- Large variety of primitive shapes & attributes
- Advanced layered view management system
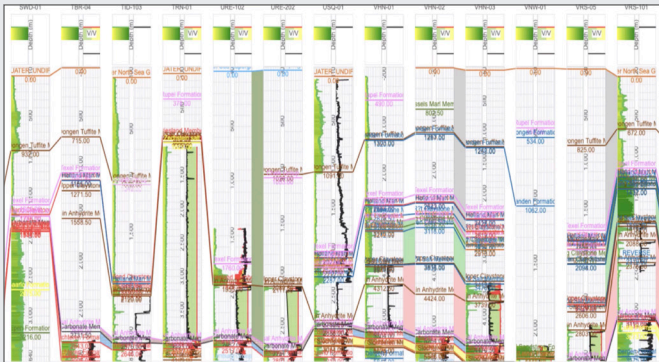- Extensive chart library supports large datasets

Maps
- Integrate with most map services, including ArcGIS
- Visualize gridded or triangulated surfaces as a contour
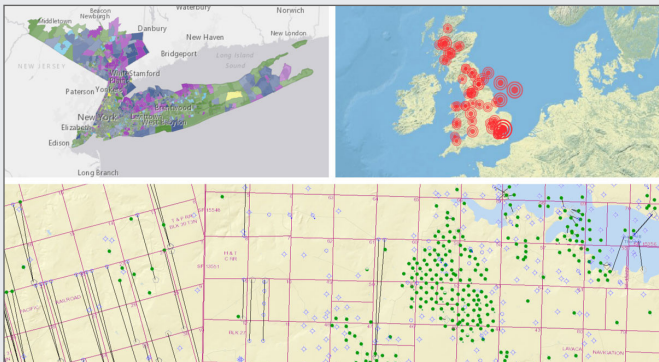- Supports faults and discontinuous surfaces

To request a trial, please visit
int.com/products/geotoolkit

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