

INT

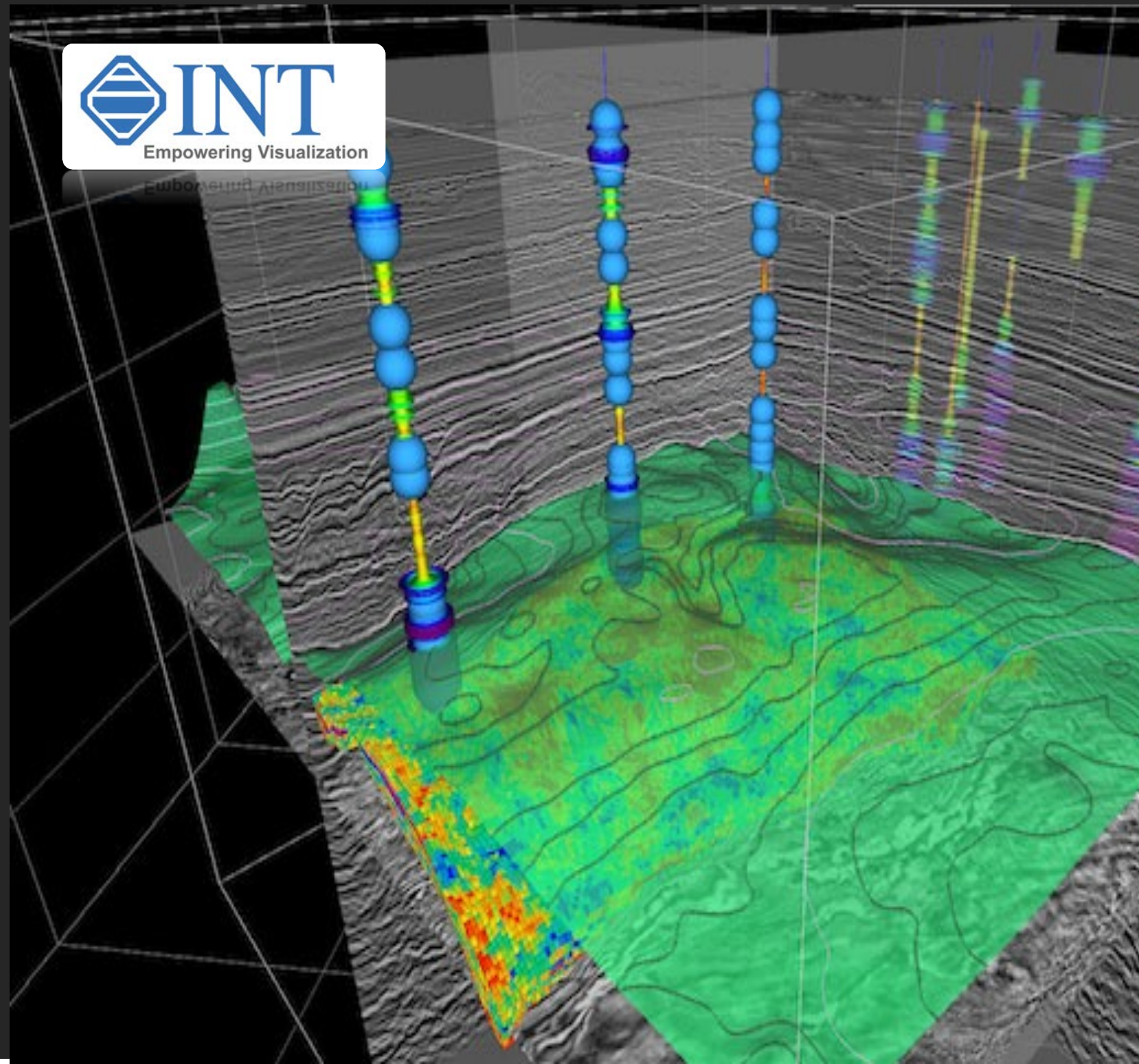
Interactive Network Technologies

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Digital tool #1: Geotoolkit.js™

Digital tool #2: IVAAP™



About INT

30

*years as an
established
software editor*

HQ in Houston (USA)

with offices in Pau (FR) & Novosibirsk (RU)

110+

*leading E&P companies
use INT for complex
data visualization*

INT provides Data Visualization software libraries and framework for business applications in Upstream E&P and other technical industries.

GeoToolkit



I VAAP



INTViewer



Services



Our software uses the latest technologies such as HTML5 and JavaScript to create cloud-enabled and mobile-responsive solutions and platforms that help companies visualize, monitor, and analyze their data.

About INT – Customer portfolio

E&P Oil Companies



National Oil Companies



R&D Institutes



Software/Service Companies

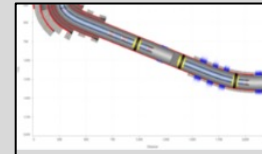


DIGITAL TOOL #1: GeoToolkit is a comprehensive set of high-performance 2D/3D tools and libraries that display seismic, log, schematic, contour, real-time data, ArcGIS maps and more.

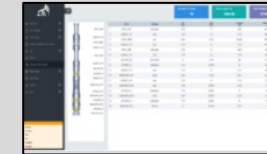
- GeoToolkit components allow developers to build advanced domain-oriented software and applications quickly with low overhead and industry-leading support.
- GeoToolkit is available in HTML5, C#/.NET, Java and C++/Qt.
- Most subsurface data formats are supported, including LAS, DLIS, WITSML, SEG-Y, SEG-D and more.
- GeoToolkit is:
 - Language Agnostic
 - Allows graphics to be exported and printed
 - Has an active user community
 - Allows for advanced data compression
 - Promotes data flexibility allowing for data format plugins
 - Provides direct-line access to customer service and IT support

GeoToolkit Libraries

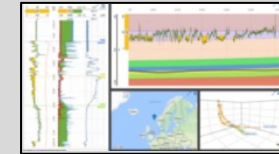
Deviated Schematics



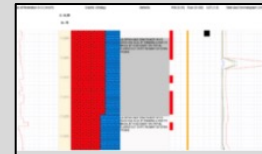
BHA Editor



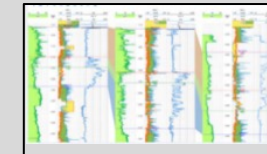
E&P Exploration



Mudlog



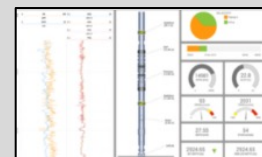
Multi-well Correlation



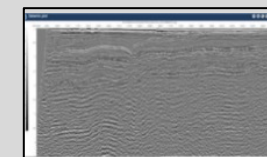
Production Dashboard



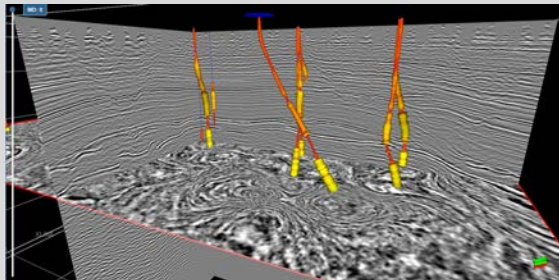
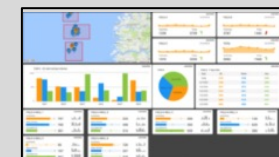
Real-Time Drilling



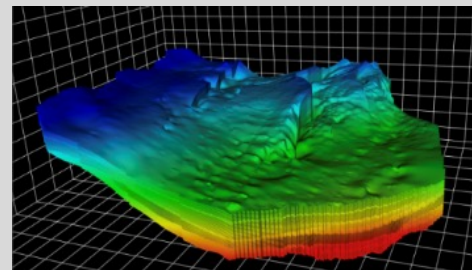
Seismic Plot



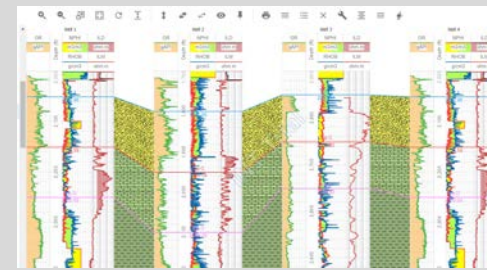
Trend Dashboard



Combine well and seismic data



Large volume rendering



Build correlation views of 1,000+ wells



Integrates with ArcGIS and others

APPLICATION OF THE DIGITAL TOOL

Geotoolkit.JS is a Software Development Kit (SDK) dedicated to G&G web based data rendering

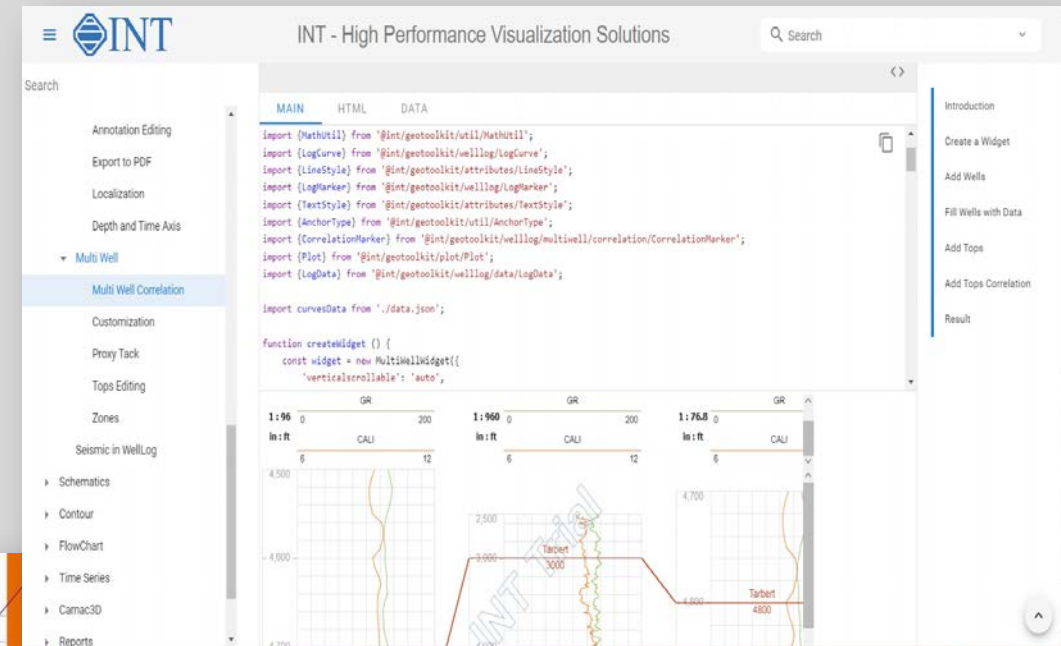
This toolbox is used by Software Developers to enhance the Graphic User Interface of their digital application

Reduce your software development cycle, leveraging Geotoolkit graphic libraries, concentrating on your domain expertise

Domains: G&G, O&G, CCUS, IoT, Geothermal

Example of companies using Geotoolkit.JS:

- Saudi Aramco
- TotalEnergies
- ENI Spa
- Halliburton
- Schlumberger
- Baker Hughes
- Chevron
- CGG
- Etc...



DIGITAL TOOL #2: IVAAP – Development framework used to accelerate the development of subsurface digital solutions

IVAAP is both an application and a development framework

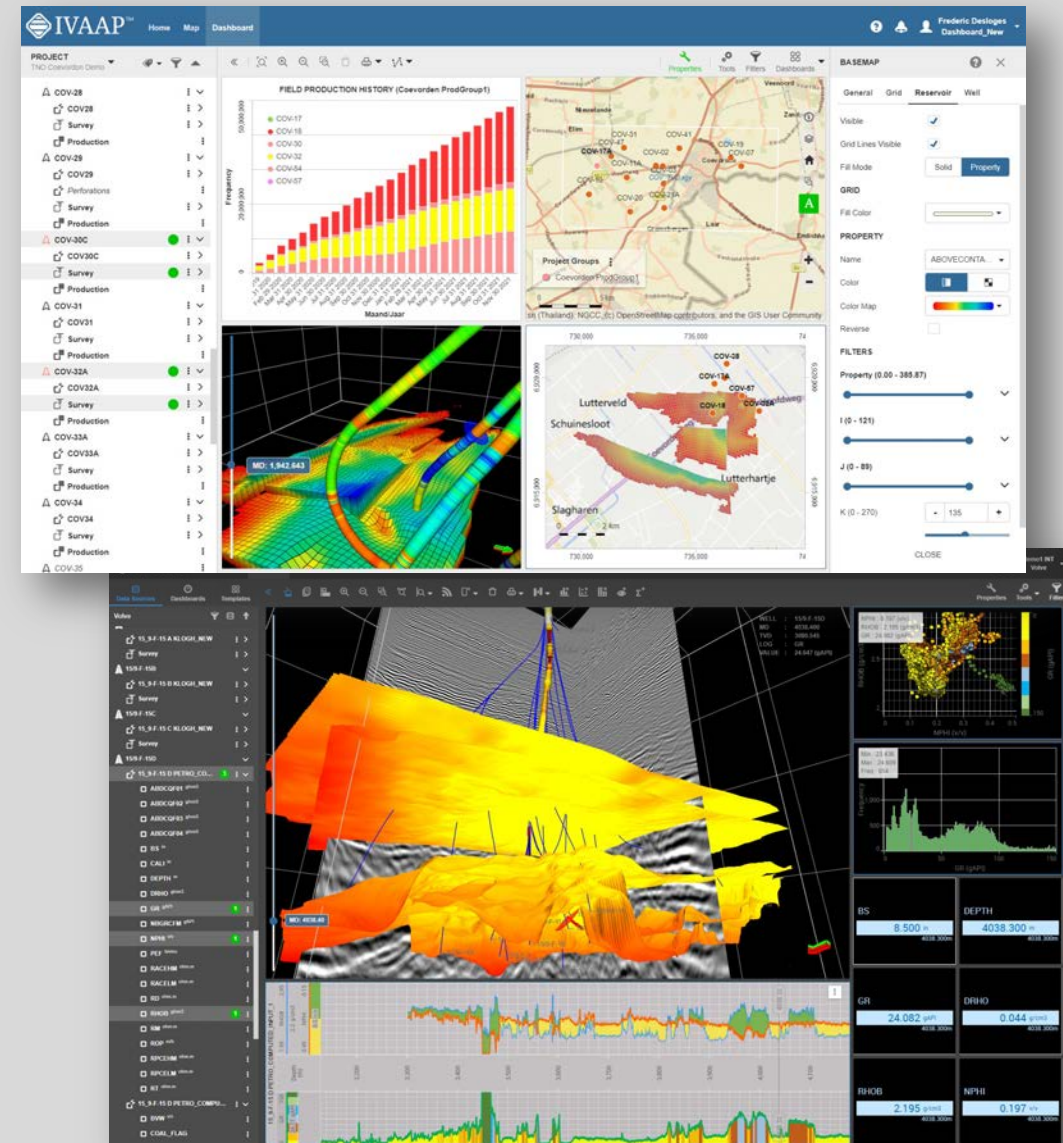
100% Web based and Cloud enabled (AWS, Azure, GCP, IBM)

Support for poly-cloud and multiple data connectors for data agrégation in a single point of access

Extensible framework based on Micro-service architecture

Back-end and Front-end SDK (Software Development Kit) for software customization

Allow co-visualization and data analysis among cross-domain user communities (Peer to peer review, etc.)



APPLICATION OF THE DIGITAL TOOL

Use case #1: IVAAP is used as a base framework by Service Companies to quickly release their proprietary digital solution or integrate cloud based digital visuals into their proprietary applications (fast track go-to-market). E.g. : Weatherford

Use case #2: IVAAP is used by Operators to add a Digital layer to their legacy software portfolio and provide a cross domain co-visualization tool that allow data aggregation. E.g.: Staatsolie (Surinam)

Use case #3: IVAAP is used by Operators willing to conduct Pilot testing with the OSDU data platform. (Open Subsurface Data Universe Forum). E.g. CEPSA

Domains: G&G, O&G, CCUS, IoT, Geothermal

Example of companies using IVAAP:

- TotalEnergies
- Maillance AI
- CEPSA
- SHELL
- Schlumberger
- Staatsolie
- TGS
- Weatherford
- NOC

