



TGS Takes Multi-Client to the Next Level by Embedding Advanced Visualization with IVAAP



www.tgs.com

Business Need: Seamless Data Validation

When developing their new R360 web portal, TGS wanted tools that would allow customers to visualize selected well data in their areas of interest from their own map views. The goal was to provide clients with more capability to understand drilling risk, reduce uncertainty, and improve performance.

R360 is a map-based web portal site that provides ready access to the industry's largest volume of high-integrity geoscience data. Users can search the TGS libraries, purchase well data and access their entitled data. Customers log in and view data in their area of interest using tools and widgets to interact with the data before making their purchase.

TGS, as part of their journey, considered building their own log visualization tool. When TGS saw the log visualization capability in IVAAP, they realized they could acquire and implement a powerful and robust commercial viewer component. The benefits of implementing IVAAP were a quick implementation and more functionality than they could build in-house in a reasonable time-frame to take it to market.

TGS wanted to give users tools to display logs and cross-sections, which would help qualify the selected data. By integrating IVAAP into R360, TGS users could now visualize multi-well data and optimize their time in R360, navigating through the library, and finding all the appropriate data for their project.

“At TGS, we found that incorporating INT’s IVAAP with R360 on AWS provides many features that our clients want. It’s really a win-win. It’s a win for clients and it’s a win for TGS.”

Robin Tan
Enterprise Software
Architect,
TGS

Solution: Integrated Visualization

TGS priority was to implement advanced visualization in R360 on AWS as rapidly as possible rather than trying to build a new advanced visualization application from scratch. As IVAAP already fully supports Amazon Web Services, TGS was also able to get a functional, sophisticated well log visualization system quickly deployed within R360.

Clients find the datasets they want or need and place their order through Amazon Web Services. Then when the order is fulfilled, they get confirmation, and then they have access to their product — in this case, well data.

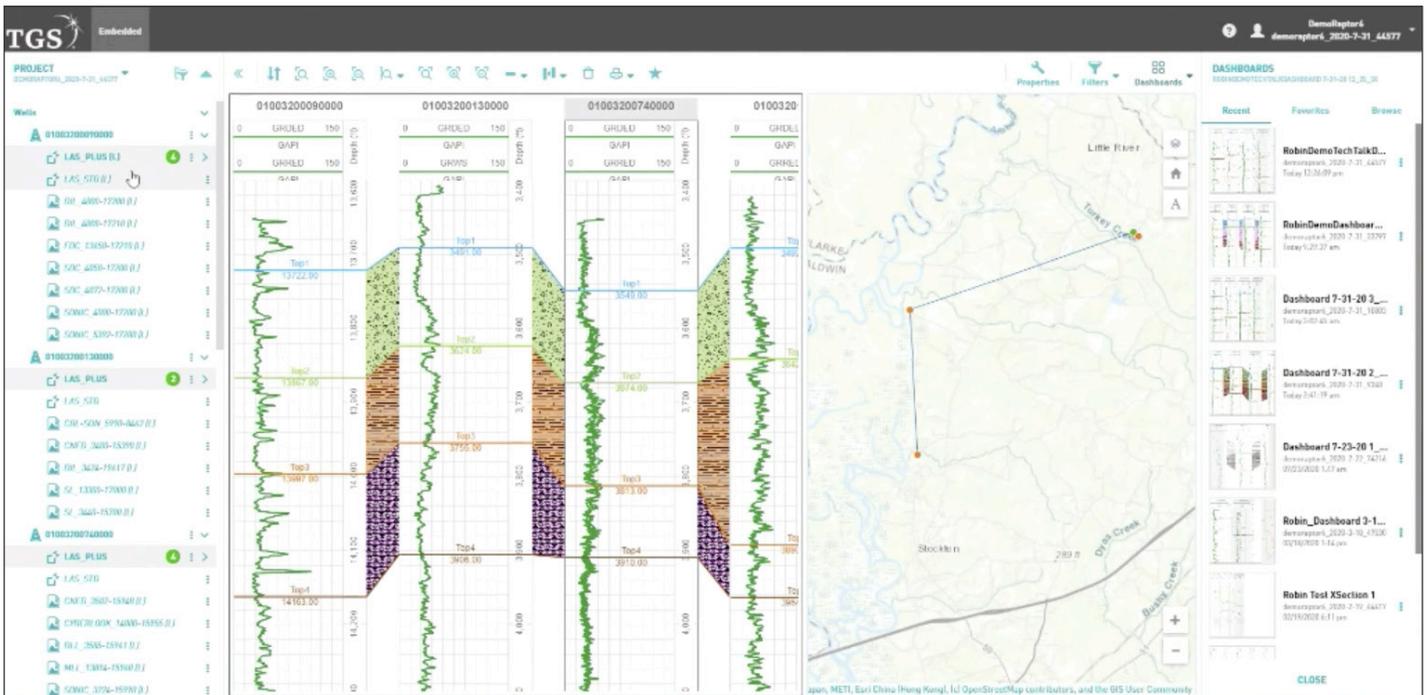
IVAAP VISUALIZATION FEATURES

- Well and Drilling data (Peloton-WellView®)
- Production data (Peloton-ProdView®)
- Petrophysical data (Landmark-Openworks®)
- Real-time data (OSIsoft-PI System®)
- Seismic data (Network drive files)
- Maps and Geodata (ESRI-ArcGIS®)
- SQL Server Report Service (SSRS)
- Documents (Schlumberger-e Search)
- And more ...

By integrating IVAAP, TGS was able to evolve R360 into a full shopping experience that significantly cuts down on the clients’ decision time and offers services that other competitors do not have.

Company Profile

TGS provides multi-client geoscience data to oil and gas Exploration and Production companies worldwide. In addition to extensive global geophysical and geological data libraries that include multi-client seismic data, magnetic and gravity data, digital well logs, production data and directional surveys, TGS also offers advanced processing and imaging services, interpretation products, and data integration solutions.



Benefits: Better User Experience with Reliable System Performance

Since its first production release, TGS R360 has experienced 100% uptime and the integrated IVAAP services have had zero crashes. With this platform, TGS users will now be able to reduce their decision cycle time when evaluating an area of interest by reviewing their data **before** they purchase the log. Thanks to the implementation of INT's advanced visualization tools and strong partnership with AWS, this process can be done without the customer having to complete a search or see log intervals.

TGS clients are now able to purchase the right data the first time, quickly determine where to invest more money in products and services, and get to work with the right dataset quickly. With easier, more accurate access to data, customers are also more likely to purchase more data from TGS.

During development, TGS depended on INT to keep things moving quickly to meet deadlines and develop features so they could complete their work on time. Now, IVAAP's reliability keeps teams online and keeps operations moving smoothly. Overall, TGS is satisfied with their interactions with INT's support and their experience with integrating IVAAP into their R360 application.

About INT

Interactive Network Technologies, Inc. (INT), provides Data Visualization software using the latest technologies such as HTML5 and JavaScript to create cloud-enabled and mobile-responsive solutions and platforms for the leading oil & gas and service companies. Our expert visualization solutions offer unparalleled flexibility for both scientific industries and business, and our web-enabled display technologies empower best-in-class business applications for seismic acquisition, geoscience, well intelligence, drilling, production, asset management, and more.

Visit www.int.com or email info@int.com to learn more.

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