



Houston TX: Wednesday 19 August 2026

DUG and ACTeQ Bring Advanced 3D Modelling to Seismic Survey Design

DUG Technology Pty Ltd (DUG) and ACTeQ announced a strategic partnership at the 2026 SEG AAPG IMAGE conference. The collaboration integrates DUG Insight's cloud-based modeling capabilities with ACTeQ's Tesseract survey design platform.

Through this integration, Tesseract provides access to DUG Insight's advanced modeling capabilities, including synthetic generation and wave-equation-based solutions, enabling them to be incorporated directly into seismic survey design workflows.

ACTeQ's VP Sales and Marketing, Brandon Mattox, said: "This collaboration represents an important step forward for Tesseract users. With access to advanced 3D modelling capabilities users will benefit from improved workflows and enhanced operational efficiency."

The integration is designed to simplify access to advanced modeling within the survey design process, reducing the effort required to evaluate acquisition scenarios through cloud computing.

DUG's Senior VP of Software & HPC, Margarita Kongawoin, said: "Interoperability is at the heart of modern software ecosystems. This integration will enable Tesseract users to leverage the modelling and computing power of DUG Insight and the DUG HPC Cloud. We look forward to continuing our working relationship into the future."

The companies plan to add additional capabilities and will share updates as the integration progresses.

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About DUG

For over 20 years DUG has delivered innovative geoscience solutions to the global energy sector. DUG's seismic services, DUG Insight software and HPC cloud reduce project turnaround time and risk for subsurface characterisation.

DUG has offices in Perth, London, Houston, Kuala Lumpur, Abu Dhabi and Rio de Janeiro. DUG designs, owns and operates some of the largest supercomputers on Earth.

The company's geoscience service and software offerings cover all facets of seismic data processing, imaging and inversion—across land, marine and ocean-bottom surveys. A constant focus on R&D has enabled DUG to develop state-of-the-art technologies, including DUG Elastic Multi-parameter FWI Imaging.

About ACTeQ

Founded in 2016, ACTeQ specializes in seismic survey design, planning and optimization technology for the global geophysical industry. Its flagship TesserACT platform integrates geophysical and operational analysis to support the design and optimization of land, marine streamer, seabed, borehole and hybrid seismic surveys.

A strong focus on innovation has enabled ACTeQ to incorporate leading-edge technologies into TesserACT, helping users evaluate acquisition scenarios, optimize survey designs and improve operational efficiency.

ACTeQ also provides consulting, illumination studies, project management, quality control and training services to support seismic acquisition projects from initial survey design through operations.