

WAIW

WAIW develops AI and GenAI solutions for the energy industry by combining ML, agentic AI, GPU optimization, and efficient programming to make subsurface data analysis faster and more accurate. Through successful projects and partnerships across MEA, Europe, and the Americas, they have reduced analysis workflows from weeks to hours while maintaining the precision O&G operations require.

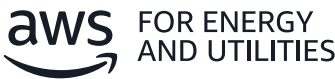
WAIW’s work with AWS

WAIW has been actively collaborating with AWS since 2024, exploring opportunities, executing joint projects and working together to advance AI adoption in energy exploration. GeoSurreal, their platform for seismic interpretation, is listed within the AWS Partner page as an out-of-the-box solution.

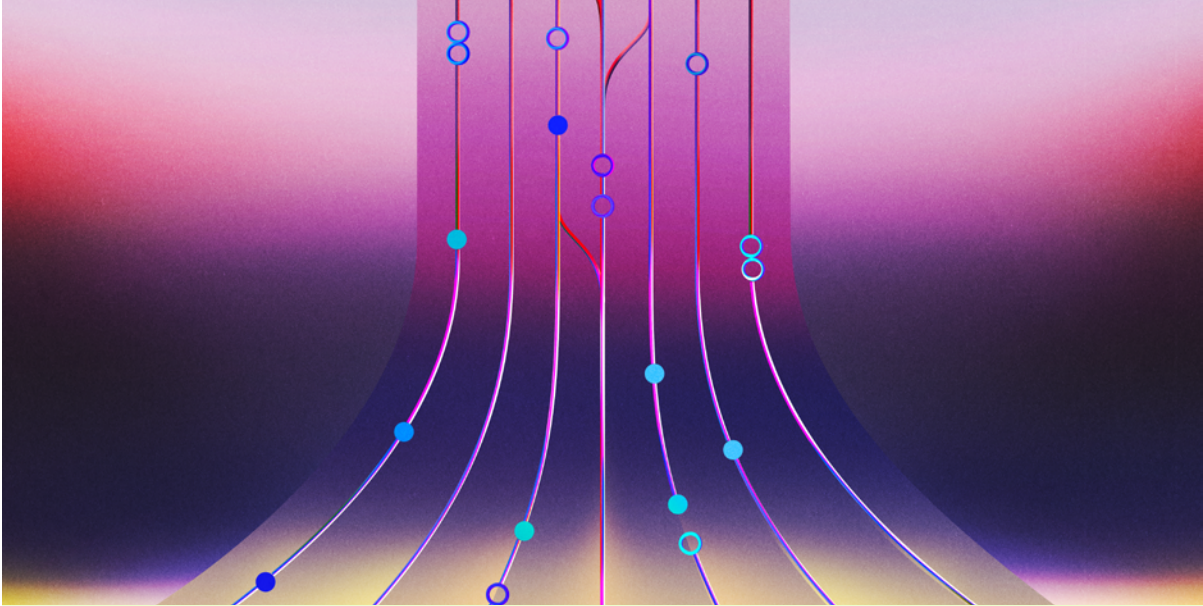
WAIW’s Energy HPC Orchestrator offer

GeoSurreal revolutionizes seismic interpretation with AI-powered horizon and fault detection that achieves

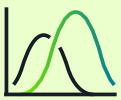
up to 95% accuracy on real horizons while accelerating workflows up to 20X.* Through GPU optimization and their high-performance libraries, WAIW handles fault attribute computation, skeleton prediction, and surface extrapolation in near real-time, supporting both SEG-Y and VDS formats. GeoAssistant, their integrated AI copilot, works alongside geoscientists throughout the interpretation process – analyzing data, generating reports, and providing intelligent recommendations based on historical field data. The platform features instant 3D visualization with real-time multi-user collaboration and a fully customizable interface.



*A comprehensive benchmark study measuring accuracy rates and workflow acceleration metrics will be released in 2026 to provide detailed statistical validation of these performance indicators.



Use cases



AI Horizon Interpretation: Seeded tracking and extrapolation of geological horizons across 3D volumes with instantly generated QC maps for validation, handling complex geology including salt bodies and unconformities.



AI Fault Interpretation: Detection and characterization of fault systems with attribute computation and skeleton prediction, enabling rapid structural framework development.



LLM Assistant for Seismic: Natural language interface for data queries, report generation, and correlation with historical field data, providing on-demand expertise throughout the interpretation workflow.

To learn more or to book a demo, contact WAIW at waiw.org or via WAIW’s dedicated [AWS partner page](#).