

PRODUCT SHEET



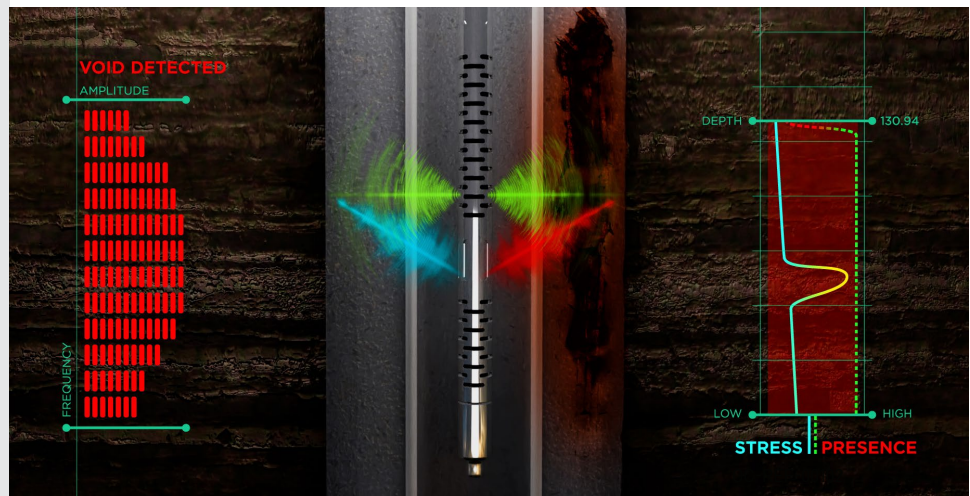
The Future of Digital Carbon Storage Well Integrity Monitoring

Scanite-COG is Oceanit's stack of technologies that deliver enhanced well robustness and long-range integrity monitoring for underground gas storage wells, such as those for carbon storage. With Scanite-COG, the entire well becomes a sensor, continuously "speaking" about its condition - without disruptive intervention and without halting production, across the entire well life cycle.

Scanite metamaterial responds to low frequency sound, enabling operators to monitor cement integrity, mechanical load, and chemical environment of a well. The advanced metamaterial's acoustic contrast enhances seismic, sonic, and acoustic well log analysis. Scanite-COG, short for COGNITIVE AI, uses machine learning to discern construction material locations and reservoir conditions.

Oceanit's technology is compatible with seismic surveys and fiberoptic distributed sensing. It enables the tracking of downhole and subsurface fluid distribution, flow, and composition, and can furthermore be used to exploit remaining reservoirs while preventing carbon dioxide plume migration.

Carbon capture and geological storage is one of the most effective short-to-medium term options for significantly enhancing CO2 sinks, thus reducing net carbon emissions into the atmosphere. Monitoring, Measurement, and Verification (MMV) is critical for detection and mitigation of storage risks. Scanite-COG delivers persistent, non-disruptive monitoring abilities, measuring stress changes over time to prevent loss of containment and loss of conformance.



OCEANIT GLOBAL | Honolulu | Houston | Washington DC
Phone: (808) 531-3017 | info@oceanit.com | <https://scanite.io/>

