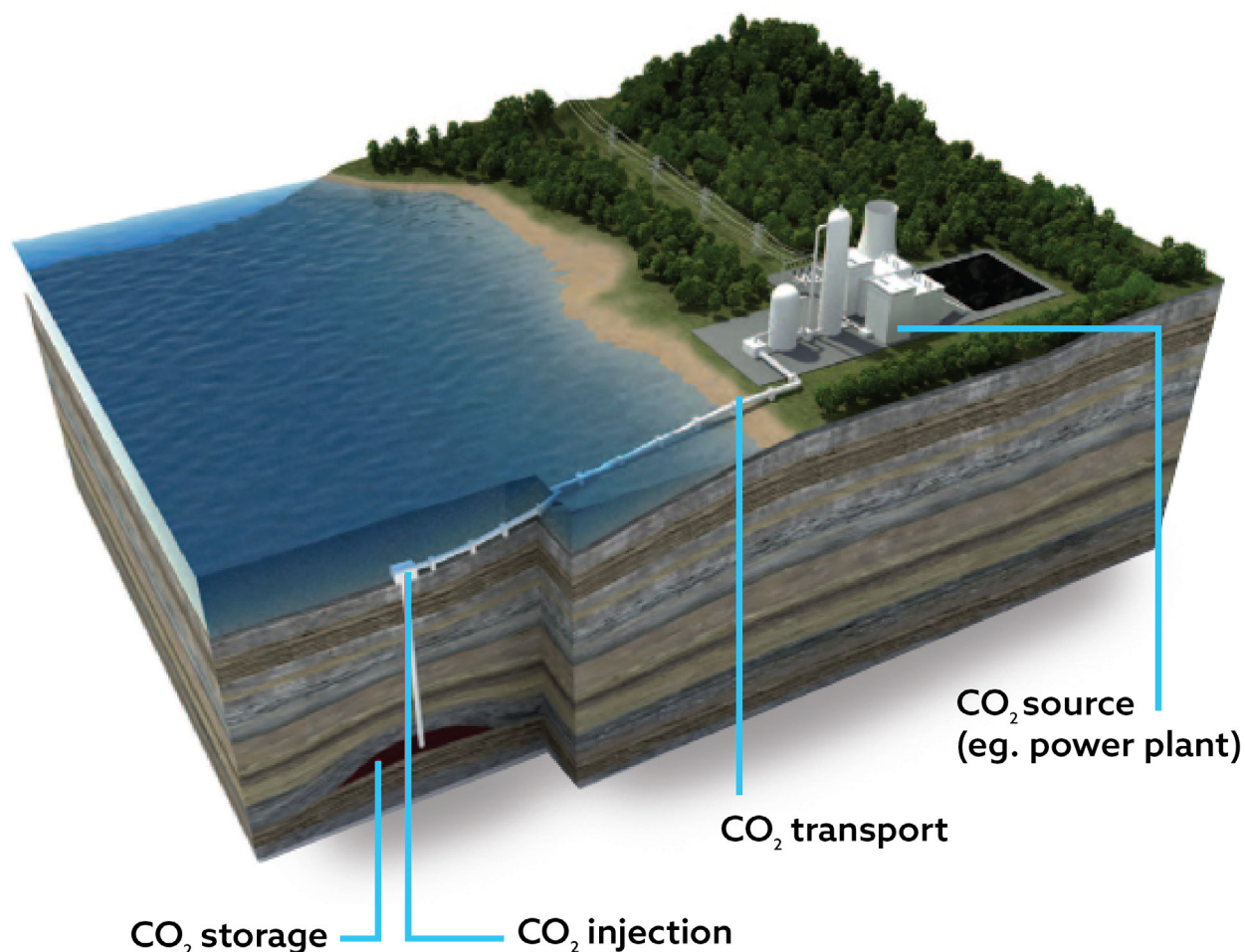


Enhanced Monitoring with FloTrac Tracer Technology for CCS Projects



At QuantumPro, Inc., we understand the critical need for precise and reliable subsurface monitoring in Carbon Capture and Storage (CCS) projects. Our unique solution, the FloTrac tracer technology, employs advanced ultrahigh-resolution and ultrahigh-temperature nanoparticle tracers designed specifically to tackle the complex challenges of CCS.

Why choose FloTrac nanoparticle tracers?

- **Unparalleled resolution and durability:** FloTrac's suite of 220 unique nanoparticle tracers can withstand extreme subsurface conditions, maintaining their integrity and functionality at temperatures up to 2,000 °F.

- **Non-intrusive and safe deployment:** The materials used in FloTrac tracers are non-hazardous nano particles, ensuring that their deployment within CCS operations poses no risk to the environment or to operational integrity.
- **Long-term stability and monitoring:** Each tracer has a unique signature that remains stable indefinitely, allowing for long-term monitoring and analysis of CO₂ plume propagation without the need for repeated tracer injections.

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Advanced applications of FloTrac tracers for CCS projects

- **Spatial characterization:** By mapping and measuring the distribution and movement of CO₂ plume within the reservoir, it ensures that crucial data is available for optimizing injection, storage, and containment strategies.

- **Integrity and safety alerts:** The technology provides early proactive warnings for any potential breaches in containment barriers or geological faults, crucial for immediate response strategies and risk mitigation.
- **Multi-well assessment:** FloTrac's capability to track flow across multiple wells enhances the overall surveillance of the storage site, ensuring a comprehensive understanding of inter-well dynamics and overall storage integrity.

QuantumPro, Inc. is dedicated to supporting CCS operators in achieving their environmental and regulatory goals with cutting-edge tracing technology. For detailed information and to explore how the FloTrac solution can be integrated into your CCS operations, please contact our expert team.

[Contact us for more information](#)

