



Carbon Lifecycle Technology Consulting  
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## **Enabling Technologies for Hydrocarbon Extraction and CO2 Sequestration Projects**

*CLTC is a group of technology professionals from the oil and gas industry specializing in data and information management. We provide expertise in geotechnical workflows, systems integration, business consulting and project management.*

*As the economics of geologic carbon sequestration become more lucrative, diversified energy companies are finding themselves with the same data management issues for these projects as with traditional exploration and production workflows. CLTC consultants are applying the same domain expertise for managing mission critical geotechnical data that made them experts in data management for reservoir characterization. The geoscience applications being used to determine the suitability of subsurface formations for sequestration are the same ones that have been successfully used in exploration and production. The business drivers are the same also, with the goal being to deliver actionable data to the domain expert, in the timeframe needed to make investment decisions. While every government entity involved with CO2 sequestration has unique data reporting requirements at this time, CLTC understands the mission critical data types and how to store and deliver them in auditable workflows.*

*We continue to deliver projects to the upstream petroleum industry while helping resource holders position themselves in this new environmentally responsible business sector. We expect that the new political environment in the United States will create the economic infrastructure required for companies to enter and invest in carbon sequestration, and it will be our current clients in oil and gas extraction that are best positioned to capture market share as the industry evolves.*

*CLTC provides a quantitative analysis of the data management maturity of an organization, an in-depth site assessment to determine existing workflows and bottlenecks and "quick win" solutions to increase productivity. CLTC analysts can work as onsite consultants, facilitate workshops for your data management professionals, or deliver a bundled solution of technology and services to support your geotechnical needs. Our team includes diverse experience in geosciences, IT deployment, and data management skill sets.*

*Our unique business value is our ability to quantify the value of information management to your organization using industry standard metrics, manage a project against a specific business case, and promote the success of technologies to your internal stakeholders. We have experience with international major oil companies, small independent operators, national oil companies, and major resource holders. We are highly selective in deploying our teams, using licensed, registered, and certified professionals to maximize the impact of our engagements.*

*CLTC understands that in the current economic environment, headcounts are being reduced and internal resources are scarce and already fully committed. But this is exactly the time when your organization expects you to selectively deploy the best technologies to position yourselves for the coming recovery. A carefully crafted information technology solution targeted at a specific business need will consolidate your position as an industry leader.*