

Premier is at the leading edge of Carbon Capture & Storage (CCS)

Use our Extensive experience and lab capabilities to identify & de-risk subsurface locations for CO₂ storage.

Our Areas of Focus and Advantage:

Wellsite Core Retrieval, Stabilization & Processing

- Full suite of wellsite core processing/stabilization equipment
- Advanced wellsite stabilization methods including epoxy & foam
- Pull out of hole / trip schedule
- CT scanning of whole core

Characterization of injection zones

- Establish stratigraphy and facies to understand injection zone architecture
- Quantify mineralogy, CO₂ reactive mineralogy, porosity and permeability
- Determine appropriate injection pressure calibrated rock strength data
- Compatibility of injectate with formation fluids and lithologies

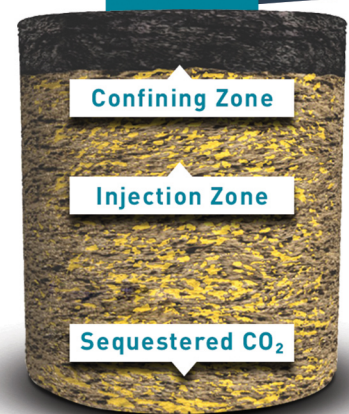
Verify confining zone integrity

- Determine mechanical rock strength for seal capacity and geomechanics models
- Understand flow properties & effectiveness of seal in inhibiting migration of CO₂
- Describe & quantify transmissibility of faults and fractures
- Establish empirical fluid CO₂ rock reactivity effects on seal integrity

“*Refine site characterization to collect data required by environmental & government agencies.*”



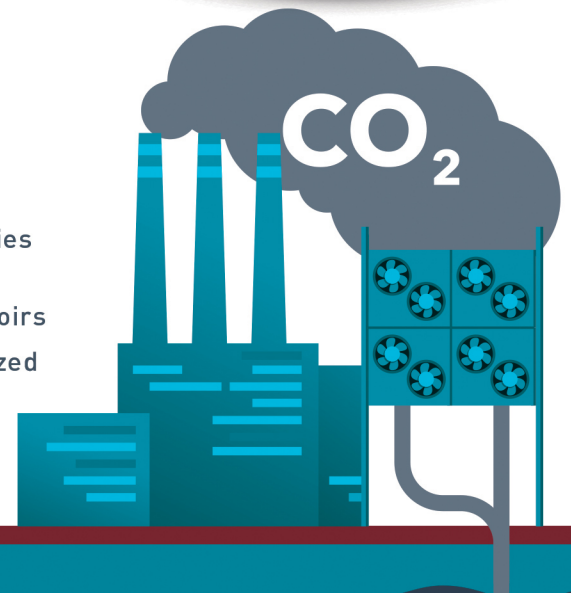
**CORE
SAMPLE**



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Our Experience:

- CarbonSAFE Program Phase II participant (United States)
- Multiple completed CCS studies worldwide
- Extensive experience in geological characterization of all injection zone lithologies
- Recognized leader in assessing formation damage from injection into geological reservoirs
- Proprietary rock mechanics workflow optimized for testing seal units
- Recognized for core analysis advisory & consulting in CCS subsurface industry



Visit us online at:
PremierCorex.com