



Carbon Capture Utilization and Storage

Your trusted partner for
CCUS operations



Over 20 years of CCUS expertise



"In the carbon capture utilization and storage (CCUS) industry, projects can be high risk. That's why it's important to partner with a recognized expert in the field. Expro has been **advancing the CCUS industry** for over 20 years and has successfully accelerated some of the world's major CO₂ sequestration projects.

"We leverage our industry-leading technologies, services, and expertise from our 85-year-plus heritage in oil and gas to provide you with cost-effective and de-risked CCUS solutions. You can rely on Expro to move your CCUS project forward with certainty and confidence."

- James Yard

Sustainable Energy Solutions Manager, Expro



NAVIGATION

Over 20 years of CCUS expertise

Delivering extraordinary performance across the CCUS value chain

Unique expertise for every stage of your CO₂ storage well

Unique solutions for tomorrow's challenges

Long-term integrity for CO₂ storage wells

Unique solutions for tomorrow's challenges (continued)

Appraisal testing/
Well construction

Well intervention & integrity
/ Sampling & analysis

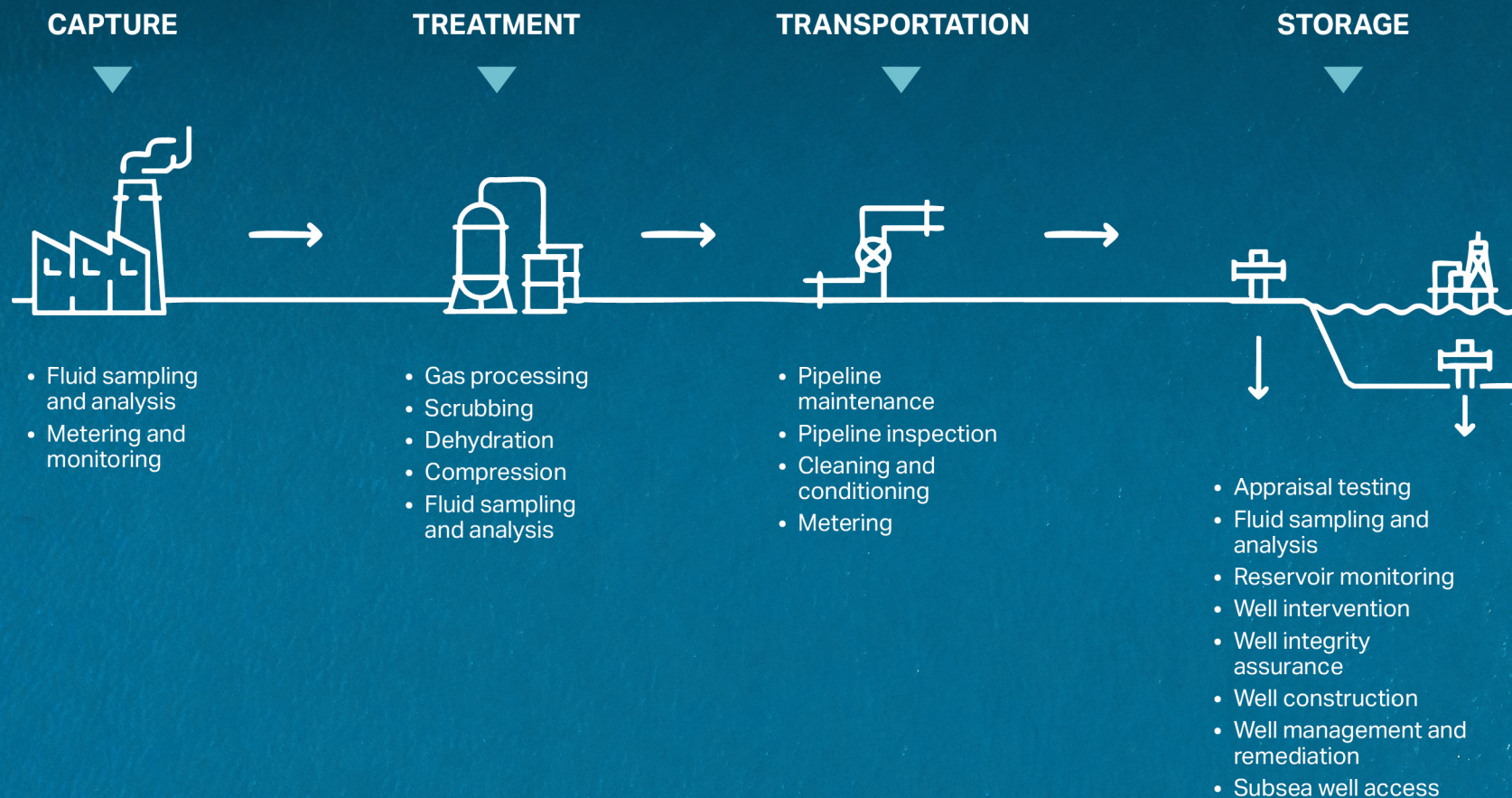
Accelerating CCUS projects around the world

Excellence in operations

Over 85 years of energy experience, over 20 years of CCUS excellence



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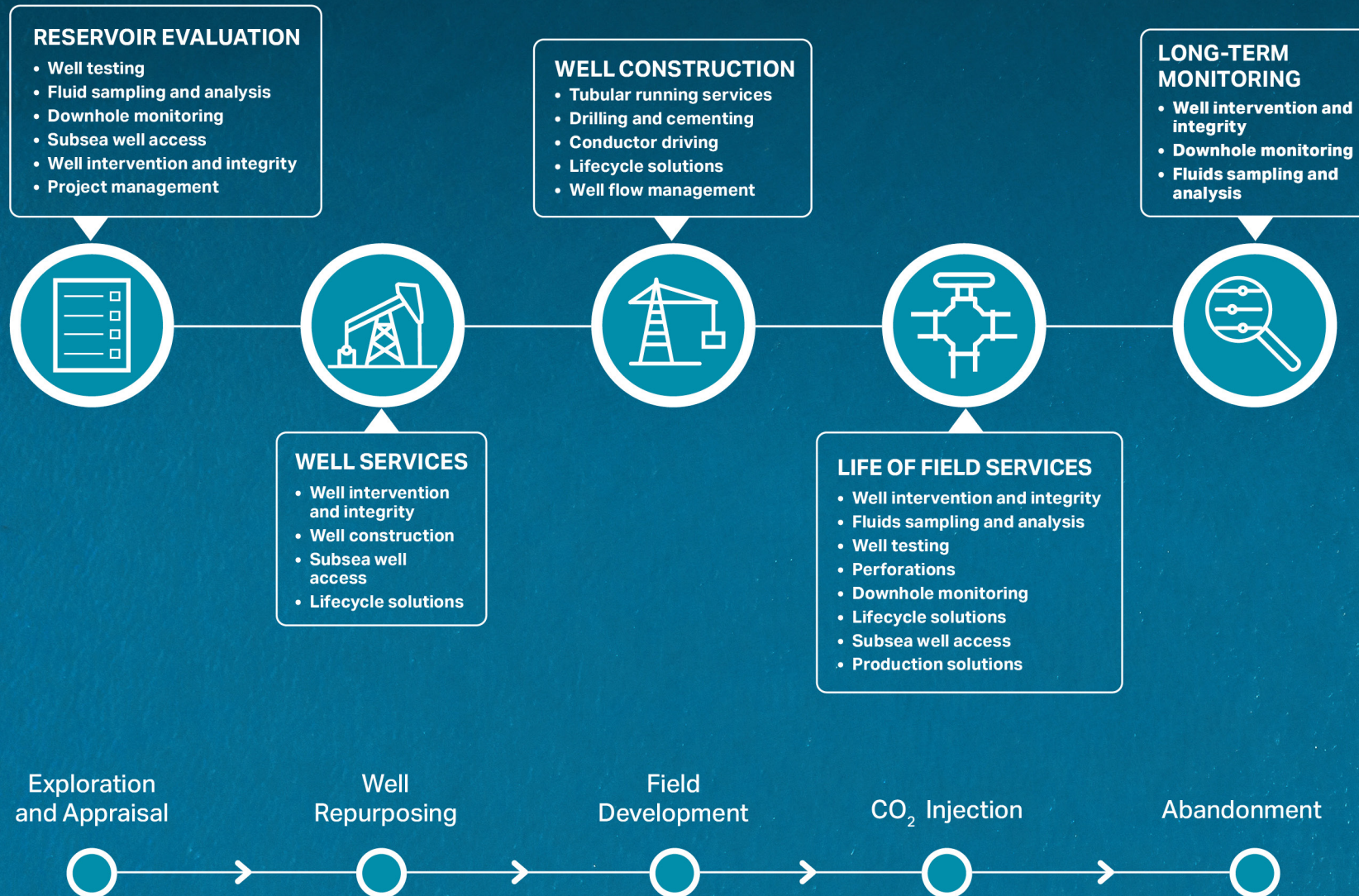
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Unique solutions for tomorrow's challenges. Today.

Exploration and appraisal of saline aquifers

The Challenge

Effective testing of saline aquifers

Reservoir fluid management

Reducing reservoir uncertainties

Expro Solution

Design, management and operations for all well test and DST production and injection tests

Optimized test selection supported by surface injection and artificial lift design to accurately control and measure fluids

Fluid sampling and onsite analysis combined with CaTS permanent wireless monitoring to provide accurate insights for development planning

Integrity evaluation of legacy wells

The Challenge

Assessing integrity of existing well stock

Integrity uncertainties

Remediation of integrity risks from legacy wells

Expro Solution

Innovative well intervention services to access, survey, evaluate and understand the risks of your wells

Intervention-based data acquisition, analysis and reporting for complete integrity evaluation of your surface integrity, well or formation

Market leading solutions including Octopoda® and CORE to reinstate asset integrity

Well abandonment prior to field development

The Challenge / Expro Solution

Risks associated with the integrity status of legacy wells

Well access survey and in-well logging portfolio to baseline conditions, document risks and recommend abandonment plan

Cost effective and assured abandonment of legacy wells

Experts in tubular running, tubular pulling and cementing solutions for improved scheduling, cost optimization and de-risked operations

Monitoring, assurance and compliance of well decommissioning

Measurements and monitoring of the subsurface and surface to assure integrity of well and storage target

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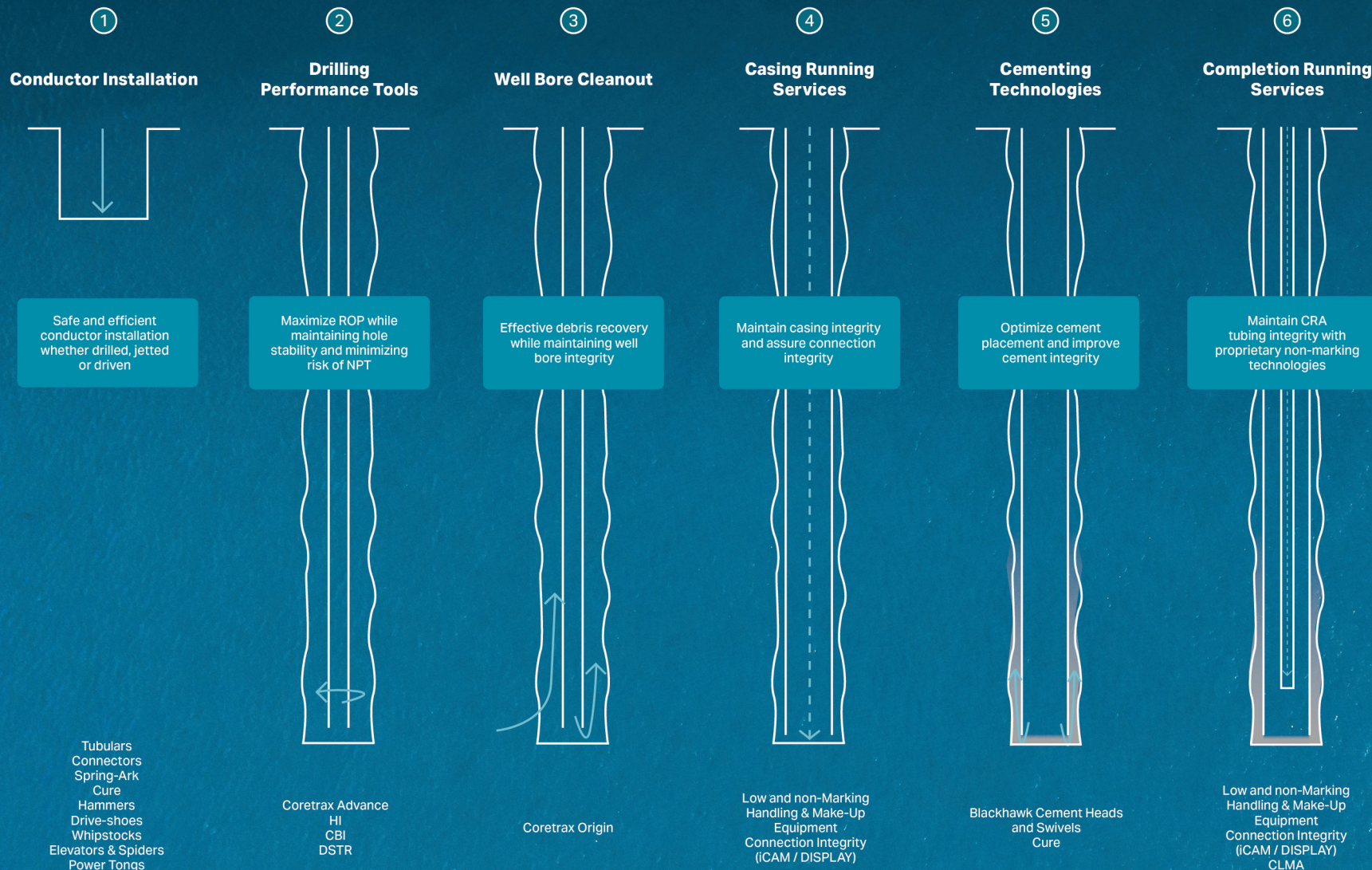
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Long-Term Integrity for CO₂ Storage Wells

Engineered for Integrity. Built for Life.

Long-term well integrity starts with robust well construction and depends on precise execution. For CO₂ storage wells built to last a lifetime, integrity is essential. Expro brings the expertise and technologies to de-risk your CCUS wells across their entire lifecycle.



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Life of field services for CO₂ storage

The Challenge	Expro Solution
Reservoir injectivity performance	Intervention driven real-time DAS, DTS and injectivity logging from reservoir to surface ×
Managing well and injection performance	A range of flow measurement, well intervention and integrity services to control and optimize operations ×
Loss of casing integrity or injectivity	Evaluation and remediation to reinstate integrity using CORE expandable casing patch technology and reperforations to establish connectivity ×

Heavy intervention, workover and maintenance

The Challenge	Expro Solution
Clean up and flow back	Leading expertise in downhole and surface fluids management for workovers, wellbore clean ups, reservoir studies and safety cases ×
Remediation of casing corrosion	Well access, surveying, evaluation and remediation services, including CORE expandables to reinstate casing integrity ×
Slot recovery	Efficiency and expertise in de-completion, tubing recovery, P&A, tubular running and re-completion ×

Reservoir monitoring during well suspension or abandonment

The Challenge / Expro Solution
Plume migration monitoring
Data delivery from abandoned and suspended wells for plume modeling and reporting using the CaTS™ wireless gauge system ×
CO ₂ leak and migration detection
Strategically install wireless gauges in your well to detect pressure changes and enhance your monitoring plan ×
Behind casing monitoring
Install wireless gauges on the outside of casings to monitor isolated zones and the overburden ×

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Appraisal testing

CCUS appraisal testing is critical for evaluating storage capacity, optimizing CO₂ injection strategies, ensuring environmental safety and assessing economic viability.

With decades of operational excellence, we partner with you to deliver high-quality carbon capture data that meets test objectives, maximizing the value of your wells.

Well construction

For carbon storage sites the focus is on long-term integrity. Expro's technologies ensure well integrity throughout the drilling and completion phases to extend the life of valuable CCUS assets.



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Well intervention and integrity

In the CCUS sector, our services are specifically designed to evaluate, remediate, and assure optimal CO₂ injection and permanent storage. Recognizing the critical role of well integrity in carbon storage projects, we leverage our extensive expertise and cutting-edge technologies to support your operations at each and every stage.



Fluid sampling and analysis

Expro provides a comprehensive suite of services to capture and characterize fluids from aquifers, injection zones, groundwater, soil, and CO₂ injection streams. Our technologies ensure sample integrity is maintained and allow key water, gas, and CO₂ parameters to be measured in the field or at the laboratory.



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Projects



Case Studies

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NORTH SEA APPRAISAL TESTING - NORTHERN LIGHTS

Expro was chosen to deliver integrated well testing services for the first CCS well in the North Sea's flagship Northern Lights project. Our successful delivery of well testing, fluid sampling and analysis, DST/TCP, and subsea operations boosted plans submitted to the Norwegian government for the commercialization of CCS in the region.

RESERVOIR PRESSURE MANAGEMENT - AUSTRALIA

Expro's expertise in well flow management solved injectivity challenges on pressure management wells for a major CCS project in Australia.

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Our trusted expertise ensures your CO₂ storage wells operate efficiently, cost-effectively, and meet regulatory compliance throughout their lifecycle. From reservoir characterization to post-closure monitoring, you can rely on Expro for CCUS.



www.expro.com/sustainable-energy-solutions
ExproSES@expro.com

