



Mitigate risks, accelerate returns, and optimize CO₂ management across the entire CCUS value chain

CarbonEdge™
end-to-end digital solution for CCUS operations powered by Cordant™

Unlock the full potential of your carbon capture, utilization, and storage (CCUS) operations across the value chain with real-time, accurate, and actionable data from CarbonEdge™, powered by Cordant™, digital CCUS end-to-end solution.

The industry's first risk-based CCUS digital solution, CarbonEdge gives you complete and accurate data to support reliable measurement, monitoring, and verification (MMV) of CO₂ as it is captured, transported, and sequestered underground. CarbonEdge integrates digital monitoring, risk management, and reporting with expert engineering to bridge operational gaps, support real-time data processing, and make smarter decisions.

The solution cuts through complexity by aggregating data from multiple sensors in an intuitive, integrated, persona-based dashboard. You get key performance insights and timely alerts from customizable alarms to precisely track CO₂ flow during carbon capture and compression, pipeline transportation, carbon injection, and long-term subsurface storage.

With seamless surface-to-subsurface connectivity, advanced project management, and engineering support from a single pane of glass, CarbonEdge optimizes your project de-risking, simplifies regulatory compliance, and

reduces operating expenses (OPEX)—all while prioritizing safety and performance.

MITIGATE RISKS ACROSS THE VALUE CHAIN

CarbonEdge combines several key components to deliver an integrated and seamless risk management solution from start to finish.

- Real-time monitoring, which enables quick risk identification and mitigation
- Predictive analytics to prevent system failures and reduce downtime
- Enhanced data security by processing data close to the source
- Integrated safety protocols, that trigger alerts or shutdowns during abnormal conditions
- Scalable solutions that adapt to changing needs as projects expand

ACCELERATE RETURNS WITH OPTIMIZED OPEX

CarbonEdge maximizes your project's operability and profitability, with modular and cost-efficient digital solutions.

- Cost-effective carbon management that scales up as your project footprint expands

APPLICATIONS

- CCUS asset integration from data aggregation to operations
- MMV planning and operations with advanced analytics
- CO₂ reporting for tax and carbon credits

BENEFITS

- Connects every step of the CCUS operation bringing surface-to-subsurface data visualization from a single pane of glass
- Proactively identifies and mitigates risks by making recommendations to enable safe, efficient operations
- Improves operational efficiency, reducing non-productive time by integrating sensing hardware, software and expertise for real-time insights
- Streamlines CCUS regulatory with a single-panel view, tracking CO₂ throughout the value chain

- Process automation that helps reduce labor costs and errors
- Predictive maintenance to reduce downtime, extend asset life, and drive peak performance
- Edge-to-enterprise integration, which optimizes efficiency by processing data where it delivers the best value to the project

ACHIEVE REGULATORY COMPLIANCE

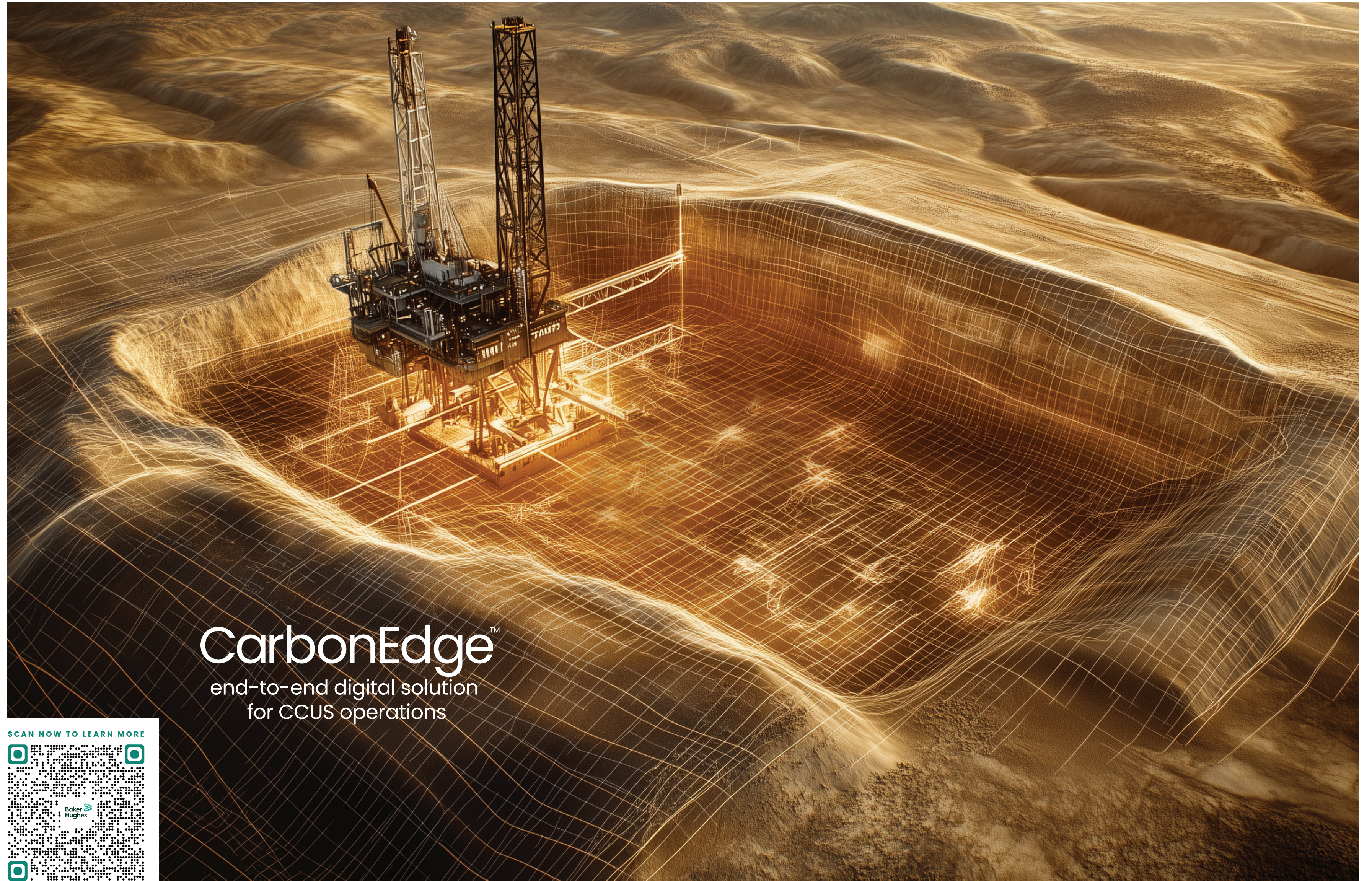
CarbonEdge provides real-time access to trustworthy data to streamline CO₂ reporting and carbon credit monetization.

- Accurate reporting to simplify compliance with detailed, data-rich documentation
- Automated updates that keep operations aligned with current regulations
- Auditing tools that ease compliance assessment and inspections
- Real-time, transparent emissions tracking for more accurate reporting
- Full compatibility with diverse global emissions and carbon storage standards

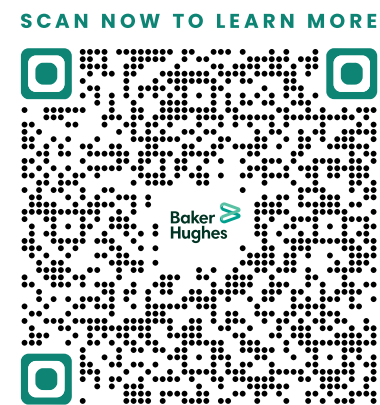
Contact your Baker Hughes representative to learn how CarbonEdge can help you lead in carbon management by running your CCUS projects with minimal risk, assured compliance, and peak efficiency.



Get proactive planning and preventive response with Measurement Monitoring & Verification (MMV) solutions.



CarbonEdge[™]
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