

DELOITTE CLEAN MOLECULE SOLUTION FOR SAP CLOUD ERP

Accelerate Your Energy Transition with Transformative Technology



TRANSFORM LOW-CARBON AMBITIONS INTO ACTION

The **Deloitte Clean Molecule Solution for SAP Cloud ERP** is a preconfigured SAP cloud offering that helps renewable energy companies launch, scale, and enhance low-carbon businesses. It leverages industry leading practices, multidiscipline process models, advanced analytics, and compliance tools to facilitate a smooth transition. This solution is targeted towards hydrogen, biofuels, clean carbon solutions, offshore wind, battery storage, and lithium value chains—with further extensions in development.

WHY CLEAN MOLECULE FOR SAP CLOUD ERP?

Adapting to a Changing Energy Landscape

- **Emerging Value Chains:** Oil & gas, utilities, renewables, and logistics organizations are expanding into hydrogen, biofuels, clean carbon, offshore wind, battery storage, and lithium.
- **Regulatory Developments:** Evolving mandates—including the Low-Carbon Fuel Standard (LCFS), Inflation Reduction Act (IRA), One Big Beautiful Bill Act (OBBA), and others—require organizations to deliver transparent reporting and achieve rapid compliance.
- **Financial Opportunities:** Tax credits and government programs encourage decarbonization but require robust data and traceability.
- **Data Challenges:** Disparate systems can complicate the aggregation of operational, emissions, and financial data for reporting.

KEY FEATURES

END-TO-END ENTERPRISE SOFTWARE PACKAGE

Enhance operational efficiency with a broad suite of enterprise processes, including:

Source to Pay | Manufacturing | Sustainability |
Operations & Maintenance | Supply Chain |
AI Tools for Analytics and Automation | Sales &
Marketing | Order to Cash | Record to Report | Plan
to Perform | Business Planning



SUITE OF PRE-BUILT ARTIFACTS

Facilitate implementation with ready-to-use tools and templates, such as:

End-to-End Value Chain Models | L0-L4 Process
Models | Configuration Documents | Reference
Enterprise Structure | Business Scenarios |
Training Content | Test Scripts | Pre-built Apps |
Custom Solutions & Analytics

DISTINCTIVE ADVANTAGES

Transformative Technology: Developed through a comprehensive process with key industry collaborators, including top global players in oil & gas and renewables.

Rapid Deployment: With 80% preconfigured components, clients typically achieve go-live in months—not years.

Industry-Informed: Developed by Deloitte's Energy, Resources & Industrials (ER&I) and tax specialists, incorporating current regulatory and operational realities.

End-to-End Integration: Connects SAP and non-SAP sources to enable unified analytics and reporting.

Proprietary Enhancements: Includes tools for emissions tracking, fuel credit management, and compliance, designed to minimize manual aggregation.

POTENTIAL BENEFITS

Measurable Impact

- **Profitability:** Designed to help lower costs and improve margins in new business lines.
- **Tax Credits:** Supports clients in optimizing incentives through robust reporting capabilities.
- **Emissions Reduction:** Facilitates tracking and management of Scope 1, 2, and 3 emissions.
- **Regulatory Confidence:** Helps organizations address evolving mandates with integrated compliance and reporting features.
- **Unified Data:** Enables integration of operational, emissions, and financial data for improved visibility.



Who Can Benefit?

Energy Majors: Streamline SAP transformation for hydrogen, biofuels, clean carbon, offshore wind, battery storage, and lithium business units. The solution can help stand up new operating models for these value chains or append capabilities into an existing ERP environment.

Startups & Innovators: Access affordable public cloud solutions and expert guidance designed to support rapid implementation and accelerate market entry—empowering smaller startups and innovators to launch and scale with confidence.

Value Chain Partners: Producers, transporters, utilities, and logistics companies looking to digitize and scale new business models.

WHY DELOITTE?

Deloitte is recognized for its experience in ERP transformation for low-carbon industries. Our multidiscipline industry experience, SAP enhancements, and integrated tax and regulatory capabilities help clients—validated by collaboration with top global energy and renewables leaders — help clients advance their energy transition goals, profitability, and compliance with transformative technology.



SUCCESS STORIES

COMPANY	CHALLENGE	SOLUTION	IMPACT
Global Energy Major 1	Manual processes and limited centralized data.	Standardized enterprise-wide processes and integrated cloud Data Lake.	Improved transparency and reduced implementation costs
Global Energy Major 2	Adapting to low-carbon processes and regulatory requirements.	Used pre-built solutions to streamline deployment.	Shortened deployment timelines and enhanced operational efficiency.
Major Hydrogen Transporter	Managing risk and tracking emissions.	Implemented automated risk assessments and equipment evaluations.	Lowered costs and supported safety improvements.

READY TO ACCELERATE YOUR ENERGY TRANSITION?

Contact our team to schedule a Clean Molecule workshop and explore how you can participate in the next wave of low-carbon innovation.

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