

C3 Generative AI for Oil & Gas

Unified Knowledge Source for Improved Operational Productivity

C3 Generative AI for Oil & Gas enables operators, engineers, and geoscientists to rapidly access and act on enterprise and external data and insights through an intuitive search and chat interface.



Rapid Access

to relevant, critical, and high-value insights previously siloed across disparate datastores, applications, and information systems



Oil & Gas Specific

configuration to search across geological reports, safety manuals, and production data, among other data sources



Enterprise Grade

data security, access controls and flexible deployment allow enterprises to meet strict security and privacy requirements



Future Proof

investments with a model-agnostic solution architecture that offers multi-LLM support and integrates with existing IT system

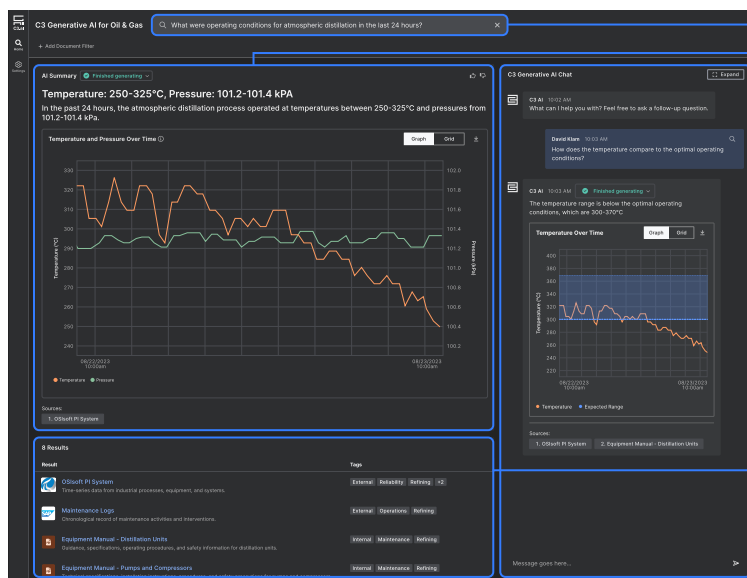
Oil & gas companies face a variety of operational, production, and technical challenges throughout the value chain, from upstream exploration and midstream transportation through downstream refining and retail operations. Operators, engineers, scientists, and executives must often piece together disparate data sources or wade through lengthy documents to gain critical insights for timely decision making.

C3 Generative AI for Oil & Gas accelerates time to insight for operators across the oil & gas value chain, equipping teams to streamline upstream exploration, improve production efficiency, maximize yield and product quality, and improve customer satisfaction. Users can ask questions in natural language and receive accurate answers ranging across geological reports, equipment manuals, maintenance records, environmental impact reports, production throughput, and safety procedures.

C3 Generative AI for Oil & Gas is an enterprise-ready solution with support across structured and unstructured data, an LLM-agnostic architecture, deterministic responses with source references, and granular access controls. C3 Generative AI for Oil & Gas offers rapid configurability with oil & gas domain models and pre-built connectors to common data sources such as ERPs, sensor time series, data historians, CRMs, and other data stores.

Use Cases

- **Quickly access insights** from internal and external documents and data sources, including sensor time series, data historians, technical manuals, and safety procedures
- **Streamline upstream exploration** with natural language summaries of geological reports and well documents
- **Optimize upstream production** by providing engineers and operators with quick access to production performance and well history
- **Maximize downstream yield and product quality** with rapid access to operating parameters, procedures, production throughput, and optimal conditions
- **Enhance process safety** by quickly extracting insights from safety manuals and incident management software
- **Investigate maintenance records** with generative AI to more efficiently troubleshoot operational challenges and initiate maintenance activities
- **Use interactive chat** to follow up with additional questions and clarify next steps in upstream and downstream processes
- **Facilitate seamless knowledge transfer** and new operator onboarding with rapid access to training manuals, asset documents, and operator best practices.



Search
Top result for search query
Interactive chat for follow up questions
Ranked list of results

Figure 1. C3 Generative AI for Oil & Gas accelerates time to insight for operators across the oil & gas value chain

Ready to Deploy Today, Results in 12 Weeks or Less

Visit C3.ai/Generative-AI