

Spyglass MTG

Energy, Oil & Gas Brief

How Spyglass MTG can support your AI, Data & Security needs in the Energy, Oil & Gas Industry.

Overview

The energy, oil, and gas industry is undergoing rapid transformation driven by digital innovation, regulatory pressure, and the need for operational efficiency. Spyglass MTG helps organizations in this sector harness the power of AI, data modernization, and secure cloud technologies to stay competitive and future-ready.

Solution Areas

Operational Complexity	Managing upstream, midstream, and downstream operations requires real-time insights and automation across vast, distributed systems.
Safety & Compliance	Regulatory demands and safety protocols are increasingly complex. AI can automate monitoring, reporting, and risk mitigation.
Asset Optimization	Predictive maintenance and intelligent scheduling reduce downtime and extend equipment life.
Environmental Impact	AI-powered analytics help track emissions, optimize energy use, and support sustainability goals.
Data Silos	Legacy systems often trap valuable data. Spyglass modernizes platforms using Microsoft Fabric and Databricks to unify and unlock insights.

What Spyglass MTG Delivers

AI Navigator	Code Accelerators	Security & Governance	Industry-Specific Accelerators
A modular, scalable approach to deploying AI solutions tailored to energy workflows.	Custom tools that enhance decision-making, automate tasks, and improve productivity.	Zero Trust-aligned strategies and Microsoft Purview expertise to protect sensitive data and ensure compliance.	Prebuilt solutions for predictive maintenance, location intelligence, and regulatory reporting that reduce time-to-value.

Case Study – Operating Standards Agent

Customer Challenge

A global commercial insurance customer faced challenges in efficiently conducting risk assessments for global corporate clients in the property insurance market, including the energy industry. Client premium determination based on engineering analysis by field operators was time-consuming and lacked consistency. Identifying cross-sell opportunities for additional loss prevention products was also a manual and inconsistent process.

Solution

The Operating Standards Agent, built by Spyglass MTG, was deployed on a RAG-based Generative AI framework, incorporating features such as chat history archiving, natural language interaction, and efficient indexing of Standard Operating Procedures (SOPs). The advanced bot architecture enabled speedy information retrieval, enhanced accuracy of results, and cost reduction. The system infrastructure included an API Manager for load distribution, model management, chargebacks and security measures to support a broad spectrum of applications and ensure data privacy.

Benefits

The engagement streamlined the risk assessment process, leading to faster hazard assessments, more accurate risk reduction strategies, and improved identification of cross-sell opportunities. The agent aligned with the company's SOPs, facilitated diverse interactions, and enhanced safety recommendations and risk/premium evaluations. Future initiatives include expanding the platform across underwriting, policy comparison, and customer engagement.

“

Since the launch, the insurance company tracked performance, usage, and user feedback closely. Out of more than 3,200 questions from 650+ users, only 12 responses received a “thumbs down”—that's over **99.6% positive feedback**, with no production issues reported.

Are you in the Energy, Oil & Gas industry and ready to leverage AI? Spyglass MTG is here to help. Contact us at info@spyglassmtg.com for more information.