



ONE TASK. ONE AI AGENT.
Infinite Possibilities

Our mission is to democratize AI among the end users by delivering trustworthy industry-grade functional and pragmatic AI solutions to O&G engineers and enterprises. Ultimately, our goal is to fast-track AI adoption in the industry by leveraging its strengths and prioritizing real digital transformation over hype.

What Sets Us Apart

AI Agents Marketplace - unique engineer-centric concept in the industry, offering O&G engineers purpose-built, pain-solving “off-the-shelf” or custom-made AI Agents. Our AI Agents are designed to do the heavy-lifting, allowing engineers to focus on critical judgment calls while letting the AI handle repetitive, time-consuming and error-prone tasks.

AI Workflows - while individual AI Agents handle specific tasks based on defined use cases, the bigger power lies in interactively connecting these Agents into comprehensive workflows to automate workflows of any complexity.

Customizable AI Ecosystem - collaborative network of AI Agents, AI Workflows, specialized chatbots, O&G intelligent data management systems and WITSML/Database pipelines, offering ultimate personalization for every user.

Intelligent Industry Document Processing - Upstrima is the only platform that understands oil & gas-specific file formats and can transform decades of accumulated unstructured data into searchable and actionable insights.

Openness and Flexibility - Upstrima is open to 3rd party developers and companies to integrate their commercial or in-house software as AI Agents. Upstrima will turn any legacy solution into an AI-enabled application, allowing API connectivity to external resources.

Data security - cloud-agnostic design with multi-layer cybersecurity, guaranteed data residency and cloud privacy. No client data is used by Upstrima for training or improving any AI models.

Our Know-How



The backbone of Upstrima performance is a proprietary hybrid architecture optimized for our industry's unique and noisy data, documents, and processes. With this domain expertise, Upstrima AI consistently outperforms generic AI solutions. Exceptional combination of Multimodal Agentic AI, data processing techniques (RAGs), machine learning applications and physics-based algorithms places us at the forefront of AI revolution for the Oil and Gas Industry.

Drilling Complication Analysis Agent

This agent can analyze hundreds of drilling reports and accurately extract all occurred complications. The results are produced in the form of a searchable table, short summary or analytical graphs. What used to take weeks, now takes minutes.

Plug and Abandonment Agent

This agent can automatically analyze end-of-well-reports and extract information related to well integrity. It then evaluates the current state and generates well schematics. As a final step the Agent ingests government P&A regulations and cross-checks them against wells schematic for compliance. Fully automated complex workflow with clear deliverables.

Best Composite Well Agent

This agent analyses performance data from multiple offset wells drilled under similar conditions to identify drilling risks, as well as optimal mud properties and drilling parameters for each section. Critical acceleration for well design optimization and risk reduction.

Rig Selection Optimization Agent

This agent can analyze well designs, BHA assemblies and available rig contracts to instantly identify the most optimal drilling rig. It performs physics-based calculations for the rig hoisting systems and cross-references the results with uploaded inventory of rig specifications to identify the most suitable rig. Tangible results to reduce rig costs, save time and optimize rig sequencing.

Other agents are Bit Dull Grading, Stuck Pipe Prevention, LAS mud and MWD log data QA/QC, drilling KPI/NPT, Operations Breakdown, Rig Move Optimization, MSE and ECD calculations, Daily Drilling Reporting, End-of-Well Reporting, Conceptual Well Planning, Supply Chain Spend Optimization, Tender Gap Analysis and many others...



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Executive Summary

Company. Gain.Energy Inc. is a US based innovation company established in 2023 with the purpose of developing a **first ever Marketplace of Specialized AI Agents and AI Workflows for Oil and Gas Industry**, named UPSTRIMA. Our team is a highly motivated group of professionals with a perfect blend of AI, IT, drilling and petroleum engineering skills.

Problem. Global O&G industry loses about \$20 bln every year due to inefficiencies and outdated practices. It is estimated that **specialized AI applications can potentially reduce that by 30-40%**. Generic platforms like ChatGPT or Copilot can't close this gap as they fall short in specific engineering tasks, where precision, consistency and domain expertise are essential.

Solution. Upstrima is an industry-specific integrated ecosystem of customizable data-driven and high-impact AI Agents and AI Workflows with built-in domain expertise, laser-focused on streamlining processes, boosting accuracy, reducing human errors and enabling better decisions faster.

Applications. We build supervisory AI Agents that operate as human augmentation tools. **Agents cover a large spectrum of applications:** from summarizations to engineering calculations, data analytics, real-time optimizations, risk profiling, reports generation and others. It spreads across various domains, such as drilling engineering, production, surface facilities, contracting, permitting, tendering, supply chain, logistics and many others. **The platform is easily scalable** to midstream and downstream use cases eventually encompassing the entire value chain.

Contact us at upstrima@gain.energy for more info.

Our partners

