



# Tank Intelligence: AI Solutions for Oil and Gas Optimization

## About the Client

A dynamic startup headquartered in the United States, specializing in the oil and gas industry. The company offers cutting-edge hardware and software solutions tailored for the energy sector.



## Objective

The client aimed to leverage sensors installed on their tanks for efficient monitoring and management of chemical inventory and flow rates. They sought an application capable of processing this data, providing valuable insights and tools to optimize operations and decision-making within their organization.

# Solution Implementation

The Intelligenn team developed an AI-driven solution that actualized the client's vision. The solution encompasses the following core features:



## Real-time data display

Access real-time sensor data through an intuitive dashboard for quick insights so that the management can make informed decisions.



## Cost and expense tracking

Keep tabs on tank refills and associated costs, facilitating efficient budgeting and resource allocation for the business.



## Security controls

Implement role-based access controls to safeguard sensitive information and maintain data privacy according to organizational standards.



## Predictive analysis

Forecast when chemical inventory levels may run low, enabling future inventory projections and proactive management and replenishment.



## Operational insight

Visualize operational data with customizable rules, gaining valuable insights for optimizing processes and workflows.

# Result

Following the implementation of the AI-driven solution, the client experienced a substantial improvement in business value:



## Operational efficiency

Real-time data and predictive insights optimized inventory management, reducing downtime.



## Cost efficiency

Enhanced expense tracking led to improved cost control and resource allocation.



## Informed decision-making

Access to actionable insights facilitated swift decision-making, enhancing productivity.



## Customer satisfaction

Optimal inventory management improved service quality, leading to increased customer satisfaction.



## Revenue improvement

Streamlined operations and optimized inventory management contributed to increased revenue generation.



Intelligenn's team brilliantly brought our vision to life! The AI solution they crafted for us helps us to optimize our operational oversight in the industrial sector.

**Executive from Oil & Gas Firm**

# Learn more about IntelliGenn.ai

Our team at IntelliGenn.AI develops affordable AI solutions – from generative AI to machine learning and predictive analytics. With a wealth of proven experience in AI-powered projects, we expedite startup launches, ensuring you swiftly bring innovations to market, allowing you to focus on growing your business while we expertly handle the technology.

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