

BLOG ARTICLE

CHEMVISION™: Intelligent Chemical Management System Transforms Offshore Operations

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The energy industry is witnessing a transformative shift toward data-centric operations, especially in offshore chemical management. At the heart of this shift is Clariant's innovative CHEMVISION platform, designed to deliver real-time insights, increase operational efficiency, and provide actionable data-driven decision-making capabilities.

- **Customer Focus**
- **Innovative Chemistry**

The Challenge: Complex Data Management in Offshore Operations

In offshore settings, managing chemical treatments effectively requires precise and timely data. For years, Clariant collaborated with an operator in the Gulf of Mexico, whose extensive chemical program—covering numerous wells, chemical treatments, and injection points—relied on manual data entry and fragmented, localized dashboards. These traditional methods were not only time-intensive but also prone to human error, leading to inefficiencies and limiting real-time decision-making.

The operator and Clariant recognized the need for a scalable, real-time solution to streamline data collection, enhance visibility, and minimize errors associated with manual processes. This need for improved data accuracy, operational transparency, and efficiency provided the impetus for the CHEMVISION platform.

The Solution: Data-Driven Insights with CHEMVISION

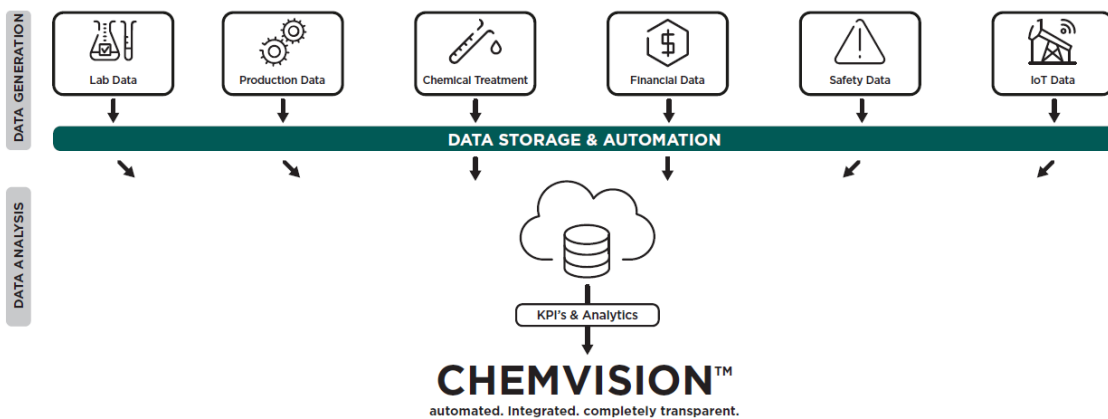
CHEMVISION is an integrated, cloud-based platform developed by Clariant to consolidate data from multiple sources, including daily field reports, lab analyses, production data, and IoT devices. By centralizing and automating data, CHEMVISION enables offshore teams to track chemical performance metrics in real time through interactive dashboards, enhancing operational transparency and response times.

The platform was implemented in stages, allowing the operator to customize dashboards and visualize data that directly impacted critical decision points. This collaborative customization enabled targeted adjustments to the operator's specific needs, ensuring maximum value from the platform.

Results: Transforming Chemical Management for Operational Excellence

Since implementing CHEMVISION, Clariant and its customer have realized significant gains:

- **Enhanced Injection Accuracy:** Real-time data has refined injection rates, helping reduce waste and improve chemical usage accuracy.
- **Real-Time Visibility:** Automated data integration has minimized human error and created an auditable, traceable data trail.
- **Operational Excellence:** By providing stakeholders with shared access to KPI tracking, financial data, and lab data, CHEMVISION has improved alignment and accountability across teams.
- **Continuous Improvement:** The ability to adapt dashboards for new operational needs means CHEMVISION is a dynamic tool that grows with operational demands.



Looking Forward: The Future of Deepwater Operations

As the oil and gas industry continues its digital journey, CHEMVISION underscores the importance of adaptable, data-driven solutions. Clariant's commitment to innovation through CHEMVISION sets a new standard in offshore chemical management, proving that digital transformation is not only possible but also essential for sustainable growth in complex industries.

CHEMVISION™—Automated. Integrated. Completely Transparent.



CHEMVISION: Intelligent Chemical Management System Transforms Offshore Operations. © Clariant

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