

Chemical Manufacturing Case Study

Transforming Chemical Manufacturing: Digitization & Efficiency





Executive Summary

A leading provider in the global chemical manufacturing sector has seamlessly integrated Research Solutions' Article Galaxy into its operations, leveraging advanced functionalities to maintain a competitive edge in an evolving industry landscape. This integration has enhanced operational efficiency, improved productivity, and elevated employee performance. Simultaneously, it has enabled substantial cost savings and more strategic resource utilization, aligning with the globally established goal of digitization.

Moving forward, they are dedicated to maximizing the platform's capabilities to optimize decision-making and evaluation in their experimentation workflows, enhance knowledge management

The company sought to reduce cumbersome, cost-prohibitive procedures by leveraging Article Galaxy's efficiencies for R&D decision-making and strategic planning and prioritization for lab experiments.

By embracing a range of digital initiatives and solutions, including the Article Galaxy platform, the company is committed to their digital roadmap, ensuring they remain competitive and innovative in today's digital age.

Elevating Global Performance Through Streamlined Operations

practices, and ensure compliance with copyright regulations.

Harnessing The Power Of Digital Solutions

Before onboarding Article Galaxy, the company struggled with fragmented processes and an incohesive digital infrastructure for document delivery. This fragmentation hindered productivity. Additionally, the lack of centralized data management led to manual data entry and decentralized storage of single articles purchased via document delivery, increasing the risk of human errors. Coupled with increasing document delivery costs and missing features in the current tool the company was then using, it became clear that a change was necessary.

Adopting Article Galaxy has been a key step in addressing these challenges.

With their implementation of the Article Galaxy solution, the company avoided costly redundancies and established a shared digital platform for individually purchased documents across all production sites worldwide.

The team also experienced the following benefits:

- Expanded features and functionality, such as article rentals, Re-Use Insights, and Open Access filters.
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 - Enhanced User-friendly interface for a better customer experience.
- Improved cost control with the ability to manage tokens and subscriptions.

"We were looking at a very user-friendly interface because customer centricity is very important for all of our services, and we really wanted to have a very intuitive user interface."

Library Scientist, Information & Knowledge Management



Advancing How Chemical Research Is Conducted

Researchers in the chemical manufacturing sector invest a substantial amount of time in information retrieval to support their projects. This emphasis on efficient information retrieval is crucial in supporting innovation and research advancement within the industry's organizations.

One of Research Solutions' core missions is to innovate alongside the evolving needs of the R&D community, enabling customers to achieve more. By remaining open to development suggestions and regularly integrating customer feedback, their Article Galaxy platform is designed to better serve researchers in critical industries, driving meaningful advancements by providing quick access to existing knowledge, which accelerates research processes and increases productivity.

Measuring Impact

Since the implementation of Article Galaxy, this chemical manufacturing leader has seen several notable improvements.

Efficiency & Enhanced Output

The company processes thousands of PDFs, making fast access to publications and one clear, centralized location for all those publications is crucial to more efficient work.

By serving as a repository for information and knowledge that the company's researchers can rely on to support their work, Article Galaxy saves them time and resources otherwise be spent on arduous searching for relevant information.

Through the platform, the company has seen a remarkable boost in productivity, leading to more efficient time management, tailored to the intricacies of each project, thereby circumventing extensive hours of lab work. This fosters a culture of knowledge acquisition with unrestricted access among the company's researchers and enables them to concentrate on innovation and to accelerate their projects.

Additionally, the platform's Re-Use Insights feature enhances efficiency by promoting transparency and facilitating the organization-wide utilization of its centralized library.



Employee Engagement & Effectiveness

In this highly competitive and regulatory-driven industry, where operational excellence is paramount, employee engagement and effectiveness are directly linked to a company's ability to continuously innovate. The implementation of the Article Galaxy solution facilitated an improvement of researcher satisfaction and performance through:

> **Increased Efficiency:** The platform's user-friendly interface makes it easier for employees to access and utilize the resources they need quickly, simplifying their work processes while reducing frustration and administrative hurdles.

Empowered Decision-Making: Increased insights and visibility into literature acquisition workflows better equip employees to make quick, informed decisions. This sense of empowerment and autonomy contributes positively to job satisfaction.

Access to Features: Article Galaxy introduced key features like article rental and the ability to reuse purchased articles, enhancing functionality and improving outcomes. This capability boosts employee confidence and satisfaction by enabling higher-quality work.

Strategic Cost Management & Resource Optimization

Through the integration of Article Galaxy, the company has streamlined its processes for purchasing articles and managing billing. The platform provides valuable insights into literature acquisition, usage patterns, and overall knowledge management operations with its powerful filters, enabling the company to better understand how users access articles and make more informed purchasing decisions. Additionally, enhanced management of tokens and subscriptions equips employees to acquire resources more judiciously, optimizing the return on investment (ROI) of scientific literature and further improving cost control.



The Company

Global chemical manufacturer which operates through several key divisions, focusing on various industrial and consumer needs.

They strive to contribute to a better world with enhanced quality of life for everyone and have firmly anchored the three pillars of sustainability – the economy, environment, and society – into their corporate purpose, strategy, targets, and operations.

Amid the company's numerous digitalization initiatives, strategies like simulations, modeling, high-performance computing, and literature searches help reduce the number of lab experiments. By conducting thorough research beforehand, facilitated by Article Galaxy, researchers can focus on the most promising experiments based on previous findings and analysis. This approach saves time and resources while increasing the likelihood of success in research projects.

The Article Galaxy platform also addresses the challenge of accessing negative or null results, which are often unpublished in traditional journals. The solution provides access to this valuable information which allows researchers to learn from past attempts and failures and to avoid wasting resources on experiments that are unlikely to yield positive results.



Contact Us

USA Phone: +1 (310) 477 0354 Europe Phone: +49 (221) 169 125 83 sales@researchsolutions.com www.researchsolutions.com