

## T4Chemical

The chemical industry faces major challenges, with a market that demands constant innovation combined with increasingly complex regulatory requirements. Additionally, companies in the sector aim to improve the efficiency of their processes, control costs, maintain quality, and contribute to sustainability.

At T4S, we present T4Chemicals, our solution for the chemical sector designed to support companies in their digitalization journey by implementing best practices and integrating all processes, increasing automation and control, and reducing inefficiencies and rework. Furthermore, the solution provides coverage for all areas of the company, from innovation to regulatory needs, including both the logistical perspective and economic-financial aspects.

T4CHEMICAL

We are a 2.0 consulting company with experts in advanced technologies to improve and innovate SAP®-based business processes.

[www.t4sadvance.com](http://www.t4sadvance.com)





# T4Chemical

The chemical industry faces multiple challenges that require a combination of innovation, investment, proper regulation, and a proactive strategy to maintain its competitiveness and sustainability in the future. Digitalization can address and mitigate many of these challenges through the implementation of advanced technologies and innovative strategies, while also opening new opportunities for innovation, efficiency, and sustainability. Companies that fully embrace digitalization will be better positioned to compete and thrive in a constantly evolving global market.

In this complex environment, T4Chemical can be a key component in the digitalization strategy that can help optimize processes and incorporate industry standards, allowing for greater flexibility and the best efficiency in operations.

## Core Functionalities

### Digitalization in Manufacturing

Integration of the manufacturing process to facilitate the tasks of operators and supervisors and improve process visibility, integrating control and quality assurance. Integrated production planning and management for different production phases: semi-finished products, packaging, reprocessing... Specific application for managing the weighing process of production orders and associated warehouse tasks.

### Logistics Optimization

Comprehensive management of logistics operations within the plant and with outsourced processes for both purchases and sales, including the integration of warehouses and transportation and real-time inventory visibility.

### Ensuring Quality

Integration of control and quality assurance processes: inspections, audits, calibrations, integration of laboratory equipment, sampling, quality certificate management, quarantine stock control, and release.

### Contributing to Better Decisions

Real-time and integrated visibility of economic-financial, cost, and logistics information through dashboards and strategic and operational KPIs to support decision-making at all company levels.

### Strengthening Traceability

Complete and automatic traceability of all materials and batches in the company, reinforcing the supplier ecosystem and facilitating their approval and continuous evaluation. Integrated end-to-end management, controlling the origin and transportation of raw materials, regulatory compliance, and specification management. Automated recording of manufactured batch traceability information.

### Supporting Regulatory Compliance

Integration of regulatory information in the sector into logistics processes (SDS distribution, stock reports, hazard information management...) as well as specific requirements like tracking regulated substances (e.g., REACH).

## Key benefits

**Robustness of the economic-financial core of SAP S/4HANA®**, supported by a layer of industry specialization in production and operations areas, based on standard functionality.

**Shorter implementation times and more efficient use of resources, both internal and external, focusing on industry-specific scenarios**, processes, and requirements.

**Sector-specific support system for the initial phases of the project (Explore, Discovery)** that contributes to better change management and optimizes the involvement of key users in the design phases.

**Highly scalable system**, both for company growth (international expansion, acquisition or creation of new businesses, etc.) and for extending functionality and covered processes or integrations.

**Integration of SAP Product Lifecycle Management** to incorporate product development and innovation needs.

**Integration of SAP Footprint Management** to prioritize product carbon footprint calculation among sustainability priorities.

**Specialist project team with expertise in the industry** and SAP tools and functionalities.