Procession

by Provenio Technology

Procession - The Sage X3 Chemical Solution

Managing a business in the chemical industry is challenging, with a constantly changing landscape and the global market bringing new competition and regulations. Success in this environment requires the right tools to help you manage the additional requirements. The right technology can help you reduce workloads and manage risk, allowing employees to focus on innovation and quality instead of administrative tasks.

With efficiency, your company can focus on pursuing new opportunities. Procession was designed for the chemical industry; the combination of Sage X3 with Procession provides you with the technology that you need.

Procession adds functionality to Sage X3, allowing you to manage your regulatory compliance, safety and handling, research and development and quality management processes. Procession runs as part of your Sage X3 system, allowing data to easily flow from formulation to delivery without the need for external systems. In addition, Procession adds distribution and manufacturing tools to Sage X3.

Research and Development

Research and development is what gives your company an edge. It allows you to reduce costs while also creating new products and allowing you to enter new markets. The intellectual property that it creates adds value to your company. However, R&D is a process, not a one-time event and the data discovered by R&D must be managed. In order to maximize the value of your investment in R&D, your data must be easily accessible and the results must be searchable.

Procession provides the tools to manage your formulas. Users create and test formulas in a "sandbox" outside of your inventory. You can cost these formulas and analyze them side-by-side against other formulas to allow for quick comparisons of costing, components and properties. Procession tightly controls formula access and automatically logs any changes to formulas – allowing for auditing at any time.

Procession automatically calculates and stores the formula properties (such as % solids, VOC, density) with the formula. It also stores results from your quality control testing. With Procession and Sage X3, you can search your existing formula library for formulas with certain properties or characteristics. This ability to quickly search previous research saves time and prevents duplication of efforts.
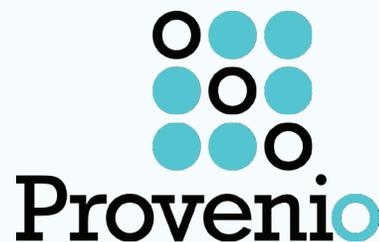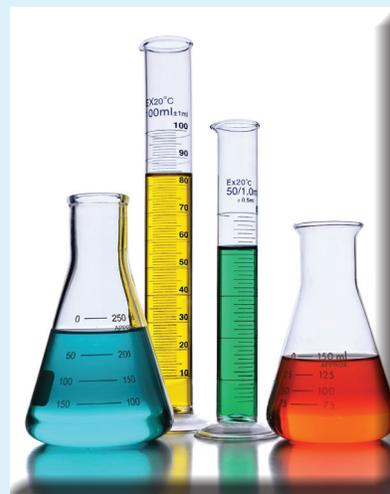
Your R&D becomes more efficient with the addition of Procession tools that include the ability to create products, production BOMs, QC technical sheets, and safety data sheets within Sage X3 directly from your formula.

Regulatory Control

Regulatory compliance is always a challenge in the chemical industry. These challenges grow as companies expand globally. The U.N. GHS mandates have been adopted in many countries, but with different variations in each country. In addition, each country, state, province and union has their own regulations requiring compliance. Many countries have international inventory lists, such as the Canadian Domestic Substance List or the U.S. TSCA that dictate import limits. Finally, companies must track certain chemicals and report these chemicals to emergency responders in the community, along with emergency response procedures.

Procession provides you with tools that allow you to track regulatory reporting requirements, reducing the effort required to file your regulatory reporting.

Creating Safety Data Sheets (SDS) can be a time consuming task when creating new formulas. Procession provides tools to greatly reduce the effort required to create an SDS, by allowing you to generate an SDS with data originating from a CAS chemical database. With Procession, users can create SDS store them so that they are accessible from anywhere. Having your SDS within your Sage X3 environment provides many advantages. For example, you can setup your SDS to automatically deliver to your

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customer when a delivery is created or an SDS revision is made. Users can also generate GHS compliant labels from the SDS data that print with your work order or with the delivery record.

When shipping products, The Bill of Lading (BOL) must notify carriers of any hazards. Procession's BOL designates hazardous materials and displays the U.N. proper shipping names and U.N. container codes. In addition, emergency response information displays on our BOL based upon the shipping location or for the specified shipper.

Safety and Handling

Handling chemicals requires proper procedures and personal protection equipment. Procession allows users the ability to store this safety information for each component and product, allowing you to access this data any computer or mobile device, as well as add it to a report. The data is accessible to your employees if there is an accident or an overexposure.

Procession provides your employees with this safety and handling information documents such as the batch ticket and product labels. This helps to reduce the potential for accidents by notifying the material handlers of any potential hazards.

Quality Control

Procession supplements your quality management program by recording your preventative and monitoring actions with your production records. Procession records verification data and product test results. A failing results leaves the product in quarantine status, preventing shipment to your customer. Also, Sage X3 can send automatic notifications to supervisors if a problem occurs on the production line.

Procession tracks the results of multiple samples during your production. You can use these results as the basis for your process improvements.

With Procession, you can setup both production and customer specifications. When your product ships, a Certificate of Analysis (CofA) is generated and sent to the customer. You can print or automatically email the CofA.

Customer Service

Procession provides insight to you customer service department, which is often asked by customers for order and delivery status. In many companies, users are only able to obtain this information with inefficient phone calls and emails. Procession provides the CSR with tools that give full visibility into all aspects of the fulfillment process, from manufacturing to delivery, in one view. This reduces inefficiency and allows the CSR to provide the customer with tracking information as well as the ability to drill down to any document associated with the order.

If your company offers services such as tolling, private label, blind shipment or subcontract manufacturing, Procession provides functionality allowing you to specify the shipper that will appear on your shipping documents

Production

The starting point for process manufacturers is a formula or recipe that is produced in batches. Ingredients are often added to a batch based upon weight or volume. Batch tickets are created which specify the correct sequence for adding ingredients. Batch tickets will often contain instructions for the different steps in the process. These instructions can be boiler- plate notes or unique steps requiring operator or supervisor sign-off once the step is completed.

During production, you may need to include rework into a batch. Also, you may need to adjust your formulas based upon temperature or humidity. To accomplish this, you need the ability to add components on-the-fly and the ability to specify the sequence that these components are added during production.

A complete business management solution for chemical manufacturers and distributors: Procession and Sage X3

To take advantage of opportunities and manage risks, you need to use technology that allows employees to focus on innovation and quality instead of administrative burdens. Procession and Sage X3 are built to automate the processes that support regulatory compliance, quality control and safety—specifically for the chemical industry.

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