



Case Study

Akzo Nobel

Quest for a Paperless Factory

Solution delivered by Parsec Certified Partner

HSI



Chemicals Industry

TrakSYS™ methodically manages Akzo Nobel's manufacturing operations, ensuring continuous improvement.

Utilized TrakSYS™ Features & Functions



Planning & Scheduling



Performance Management



Workflow Management



Labor Management



Job/WIP Management



Inventory Management



Traceability & Genealogy



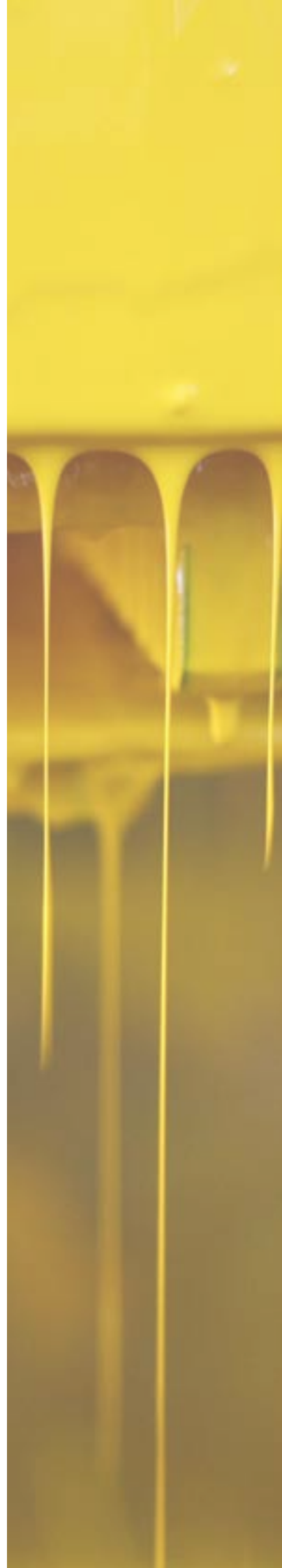
Material Management

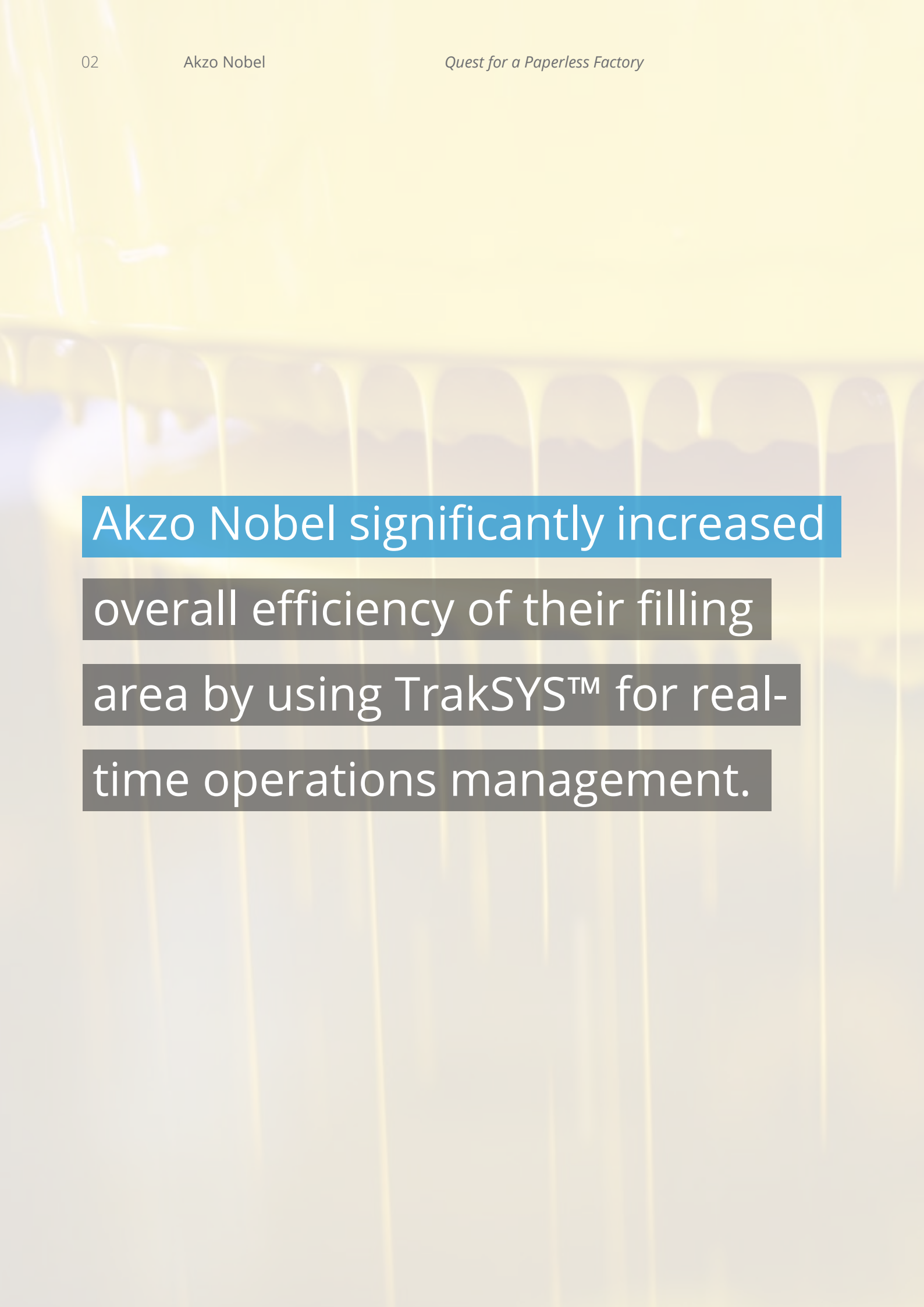


Manufacturing Intelligence



OEE





Akzo Nobel significantly increased overall efficiency of their filling area by using TrakSYS™ for real-time operations management.

Company Overview

Akzo Nobel, headquartered in Amsterdam, is one of the world's leading decorative paint companies. Backed by centuries of color expertise and an extensive global network, they supply a huge variety of innovative products for every situation and surface. Their globally recognized brands are renowned for their quality and performance. Akzo Nobel's product lines are designed to protect in the harshest environments, while adding beauty, contrast and flair to your designs.

Akzo Nobel offers a full range of interior and exterior decoration and protection products, including paints, lacquers and varnishes, as well as products for surface preparation.

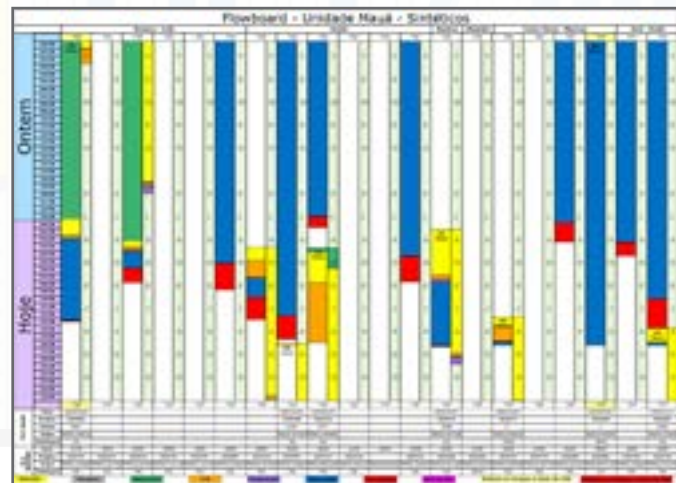
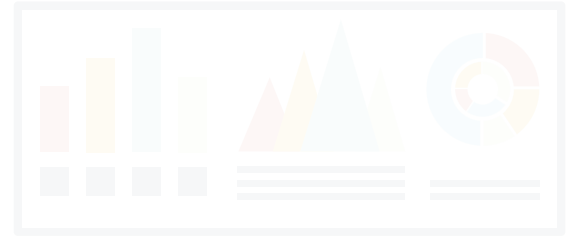
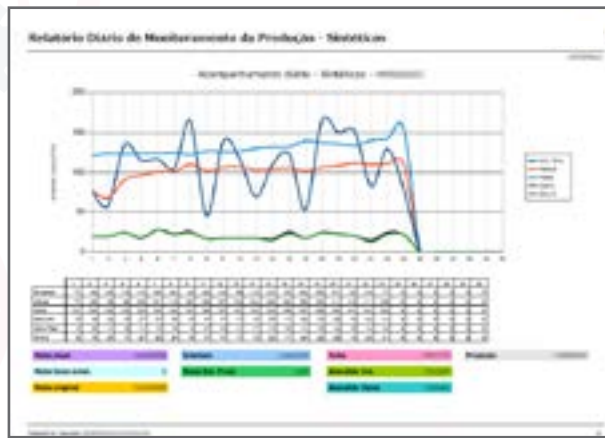
In Brazil, Akzo Nobel has diversified chemical operations with eleven strategically located factories. The largest plant in the

Mauá municipality is dedicated to the production of paint and resin in three different sites. With growing demand, the Mauá plant selected TrakSYS™ for more effective management of its manufacturing operations with the following objectives:

- Establish a sustainable Lean culture
- Identify the root causes of productivity-impairing events to successfully execute continuous improvement campaigns
- Increase process efficiency by eliminating production bottlenecks
- Reduce losses and increase filling area performance
- Ensure accurate real-time information to facilitate effective decisions
- Increase employee engagement

“TrakSYS™ is a powerful tool for quickly uncovering the root causes of production problems. It has empowered our LEAN program by systematically eliminating production bottlenecks. In fact, for some of our critical systems, we envision doubling our measured productivity. This has enabled us to reduce overtime and meet the production demand in fewer shifts.”

- *Sérgio Oliveira Rocha*
Site Manager



TrakSYS™ Solution Approach

In order to fulfil the Akzo Nobel requirements, Parsec Certified Partner, HSI, consulted, designed, and implemented a comprehensive manufacturing operations management solution utilizing TrakSYS™. The solution was integrated with the client's ERP system (SAP) to provide the following functions:

- Downloading SAP orders, sequences, required materials, and work instructions
- Scheduling and management of production orders
- Managing bill of materials (BOM) and material consumption in all production stages
- Managing the dissemination of standard operation procedures
- Tracking production through all stages
- Managing work in process (WIP) and production queues
- Controlling allocation of storage tanks
- Managing the performance of the filling lines (OEE)
- Providing visual management support (Andons)
- Enabling mobile data collectors in various production areas
- Real-time information readily available

With TrakSYS™, Akzo Nobel is able to understand the root causes of production bottlenecks - which is critical to consistency.

TrakSYS™ Solutions Results

The following results and related benefits were realized through collaborative engagement and the effective use of the TrakSYS™-based solution:

Reduced

Overtime & Out-sourced Labor Costs

Improved

Scheduling & Production Planning

16%

Increase in On-time Delivery of Finished Goods

Refined

Production Planning through Integration of TrakSYS™ & SAP

Visible

Reduction of Mix-up in the Production Processes

Identified

Root Causes of Bottlenecks in the Production Areas

Enabled

Employee Buy-in Through Culturally Aligned Technology

Impacted

Lean & Continuous Improvement Campaigns



About Parsec

Parsec is the developer of TrakSYS™, a proven operations management software application and solution platform designed to significantly improve manufacturing processes. Parsec is committed to providing best-in-class products and solutions to our worldwide community of clients to assist them in optimizing their manufacturing operations. There are thousands of TrakSYS™ licenses in use around the globe in a wide variety of Industries.

TrakSYS™ helps manufacturers to maximize asset utilization and efficiency, increase capacity with no new capital equipment, reduce production costs, decrease lead time, and improve profitability. For more information about Parsec and TrakSYS™, please visit the corporate website at www.parsec-corp.com.

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