

# TrakSYS™

## CASE STUDY

Global manufacturer of prescription and popular over-the-counter treatments achieves significant productivity gains through implementation of Parsec's Real-Time Operations and Performance Management Software

# Wyeth



**Customer:** Wyeth Indústria Farmacêutica Ltda.  
**Location:** Itapevi, SP, Brazil  
**Industry:** Pharmaceutical

Solution was implemented by Parsec Certified Partner HSI  
SISTEMAS INDUSTRIAIS

**HSI** SISTEMAS  
INDUSTRIAIS

*"Once TrakSYS™ was deployed, we were able to quickly and effectively evaluate the root causes of poor performance. The initial focus of the project was on improving productivity for lines responsible for hormonal products. Within the first 12 months after deploying TrakSYS™, we had already improved average OEE by 100%."*

*Francisco Xavier  
Production Manager*



## BACKGROUND

**Wyeth**, is one of the largest pharmaceutical companies in the world. The company is well-known for manufacturing the over-the-counter (OTC) drugs Robitussin and the analgesic Advil (ibuprofen), as well as the prescription drugs Premarin and Effexor. On 25 January 2009, Pfizer agreed to the purchase, Wyeth. The deal was completed on 15 October 2009<sup>1</sup>.

The site in Itapevi manufactures analgesics (Advil), antacids, and cold and flu medicines (Dimetapp elixir, liquid-gel, expectorant) and a wide range of prescription drugs.

## CHALLENGES

- Establishing an effective productivity culture.
- Accuracy and timeliness of manufacturing data.
- Production capacity improvement of existing assets (without major investment in infrastructure).
- Cost reduction through continuous and sustainable performance improvement.



## GOALS

- Have clear understanding of production capacity and bottlenecks.
- Measure production line efficiencies (using OEE).
- Establish a best practice for operator involvement to achieve sustainable improvement through visual KPI management.
- Deploy a scalable solution that fits within existing infrastructure without disrupting production, and meeting the strict IT requirements.
- Be able to benchmark and measure progress on a regular basis (proof of ROI).

<sup>1</sup> Source: <http://en.wikipedia.org/wiki/Wyeth>



## TRAKSYS™ SOLUTION ARCHITECTURE

- TrakSYS™ was deployed on a single server with operator interfaces for eight finishing/packaging lines.
- SENSORTrak™ high-speed data collectors, networked via Ethernet LAN, capturing raw production data from various production systems.
- 8 EVENTTrak™ operator interface nodes throughout the facility to enable interaction with the systems (e.g., visualization of KPIs and losses, downtime management, root cause analysis, and data contextualization ).
- Plant-wide user workstations to view production and performance information via standard browser technology.

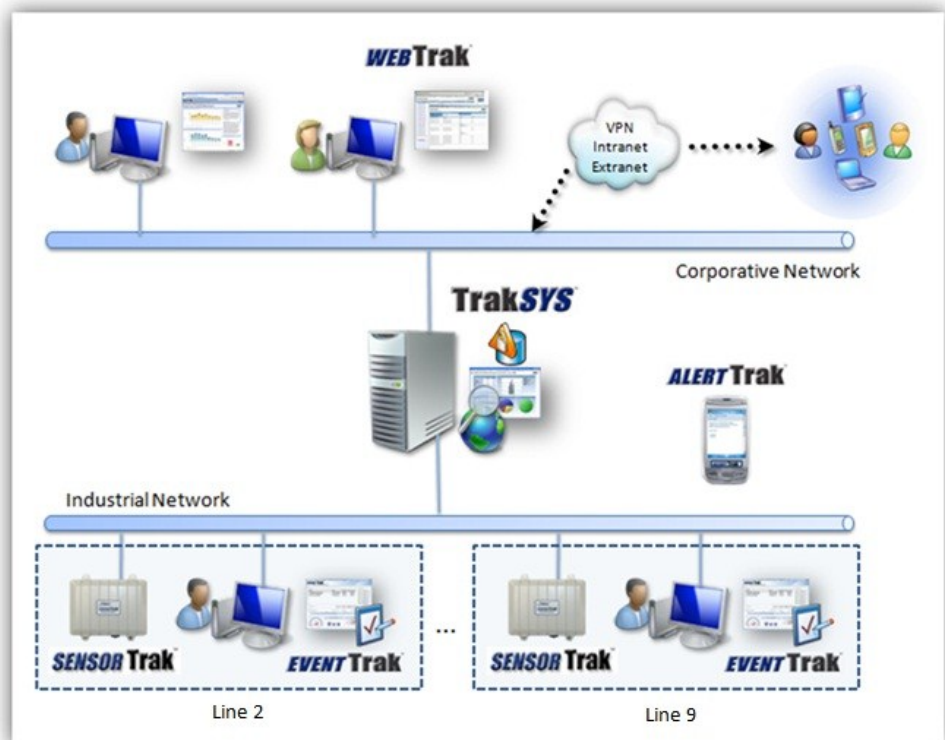


FIGURE 1 – Simple System Architecture

Readily complying with corporate IT standards, simplicity of deployment, scalability of software, use of existing infrastructure without change, and no disruption to ongoing production were the main reasons for Wyeth Indústria Farmacêutica Ltda. to choose TrakSYS™ for their continuous improvement platform.

## RESULTS

There were several functional benefits that were realized quickly after deployment of TrakSYS™:

- TrakSYS™ helped to significantly improve the continuous improvement culture
- Operator involvement and commitment to improvement was established
- Improved root cause analysis
- Availability of needed information for fast response to problems
- Consistent availability of accurate production data
- Average OEE was improved from 23% to 51%
- Production output was doubled
- Second production shift was eliminated because of capacity increase

Today, the primary process unit (PPU) team takes advantage of the real-time performance information — managed and contextualized by TrakSYS™ — to understand the cause of production problems quickly, and to make decisions that regularly lead to improved productivity.

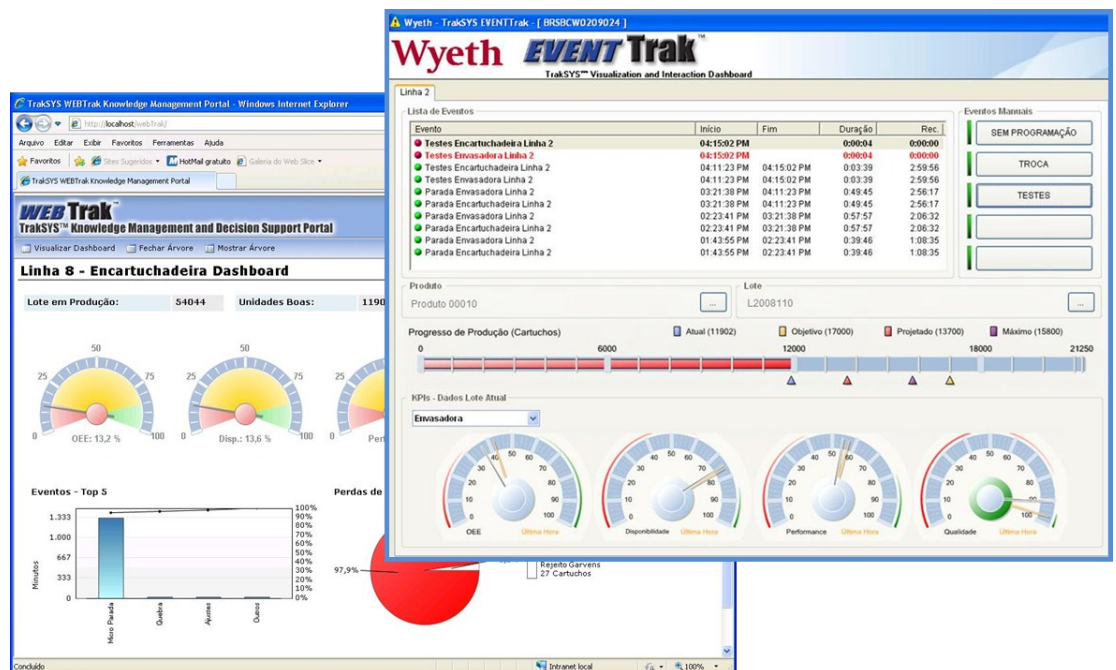


FIGURE 2 – Production Dashboards



## ABOUT PARSEC

Parsec Automation Corp. (Parsec) is the developer of TrakSYS™, the leading real-time operations & performance management software. Manufacturing companies worldwide rely on Parsec for flexible and configurable tools to execute manufacturing operations across the value chain more effectively. Without production disruption TrakSYS™ helps manufacturers to significantly improve asset utilization and efficiency, increase capacity with no new capital equipment, reduce production costs, decrease lead time, and improve profitability. With measureable ROI TrakSYS™ fuels Lean, Six Sigma, TPM, and Operational Excellence efforts. For more information about Parsec please visit the corporate web site at [www.parsec-corp.com](http://www.parsec-corp.com).



**TrakSYS™ is designed to effectively help to manage manufacturing operations and their performance in real time.**



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+1 714.996.5302 • [info@parsec-corp.com](mailto:info@parsec-corp.com)

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