



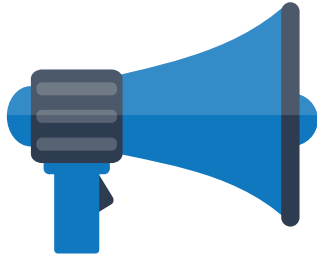
Case Study

APS Group

OEE Becomes the KPI

Solution delivered by Parsi, Certified Partner





Multimedia Industry

With a goal of improving equipment performance, APS Group turned to TrakSYS™ to effectively manage their Lean manufacturing program with Overall Equipment Effectiveness established as a key performance indicator.

Utilized TrakSYS™ Features & Functions



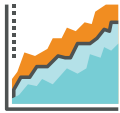
Planning & Scheduling



Performance Management



Traceability & Genealogy



Historian



Enterprise Visibility



Messaging & Notifications



OEE



After the TrakSYS™ implementation, operators were presented with real-time information on the shop floor, giving them the tools to make an instant impact on production and efficiency.

Company Overview

Established in 1961, APS Group began in the UK as a mailing business, eventually diversifying into high quality prints and print management. Now, APS Group is a world-wide marketing solutions provider, operating from numerous locations across the UK and Europe. With 25 locations globally, APS is building a strong presence through the development of on-site services, account management, and fully-equipped creative studios¹.


APS is committed to the identification and application of emerging manufacturing technologies and processes, in order to add value to its clients and maintain its environmental responsibilities.

Challenges:

As part of its commitment to responsible business, APS is embarking on a Lean Manufacturing journey and sought a solution to measure and improve the efficiency of its existing manufacturing equipment.

Goals:

- Effectively managing the Lean Manufacturing program.
- Establishing Overall Equipment Effectiveness (OEE) as the key productivity improvement metric for the printing presses.
- Measuring and managing productivity in real-time.
- Establish accurate, real-time reporting in order to drive continuous improvement efforts forward, and to have maximum impact on the business.

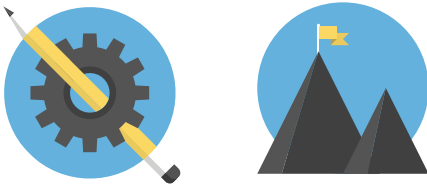


“TrakSYS™ was installed quickly, without disrupting ongoing production and provided instant real-time performance data needed to record and improve our OEE. We now have the ability to justify future capital expenditure of manufacturing equipment, as we can measure the performance of our machinery and have the facts to identify assets which are underperforming.”

*Rick Snelson
Director of Print Services*

TrakSYS™ Solution Approach for APS Group

- Cimlogic conducted a trial using the Parsec mobile productivity solution LEANTrak™ to demonstrate the capability of the TrakSYS™ operations and performance management software. The system was set up and recording data in under four hours, providing instant meaningful data on a 10-color printing press.
- Following the trial, Cimlogic deployed TrakSYS™ on two Manroland 10-color printing presses. Operators had the ability to factually measure downtime through using the innovative EVENTTrak™ (Web-based operator interaction nodes).
- Operators were presented with real-time information on the shop floor, giving them the tools to make an instant impact on production and efficiency.
- A Lean Manufacturing team was formed as part of a Six Sigma program, which included the development of a new office dedicated to the recording and visual management of performance, creating an instant view of production.
- KPI reports presenting metrics such as OEE, TEEP and MTBF were instantly accessible to the Lean Manufacturing team, providing the visibility to make good business decisions such as using available machinery time in the best possible way, and reducing non-value added steps and waste.
- Use of built-in capability in TrakSYS™ to exchange information with various APS business systems to leverage functionality already in place.



Knowing the Details

With the help of TrakSYS™, APS Group was able to identify areas for improvement that would:

Dramatically Reduce

- Delayed production data
- Obsolete Key Performance Indicators (KPIs)
- Wasteful activities with no added value to production
- Short unrecorded downtime stops (previously not recognized as downtime)

Enhance

- Understanding of Key Performance Indicators (KPIs)
- The perceived value of a software solution
- Downtime tracking quickly and easily with readily available data
- Root cause analysis in the value stream
- Existing Asset Utilization and Efficiencies
- Supply Chain Flow
- Data Speed

TrakSYS™ works to provide critical, accurate, and real-time information to APS Group's operations teams. This makes it possible to manage operations more effectively to optimize production planning and asset utilization.



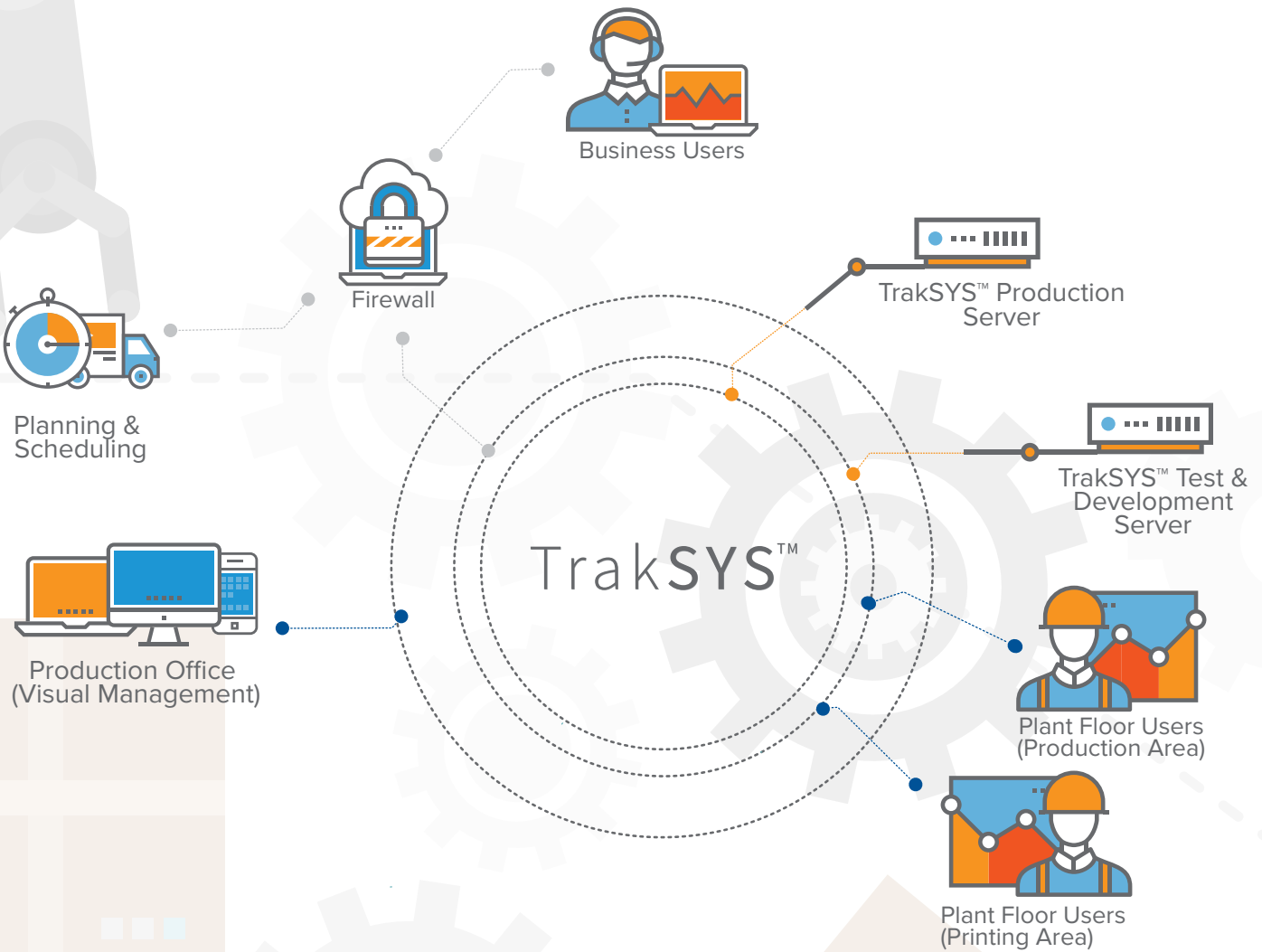


Figure 1 - APS Group TrakSYS™ Architecture

TrakSYS™ Solutions Architecture

APS Group initially set out to create a Key Performance Indicator (KPI) that would give them insight into plant performance and efficiencies. All production data, including eLog books, was digitalized, allowing access to real-time information from anywhere in the plant. After a four hour, single-line implementation, APS Group quickly realized the advantages and cost savings of TrakSYS™ and began to expand the solution to all aspects of their plant. APS Group created a system using:

- Planning and Scheduling — with TrakSYS™ workflow management APS Group was able to get more value with less time
- Plant Historian — for process variable analysis
- Visual Management — for engagement and contextualization from the shop floor to the board room.

The integrated architecture gave APS Group comprehensive real-time visibility across their complex manufacturing processes.

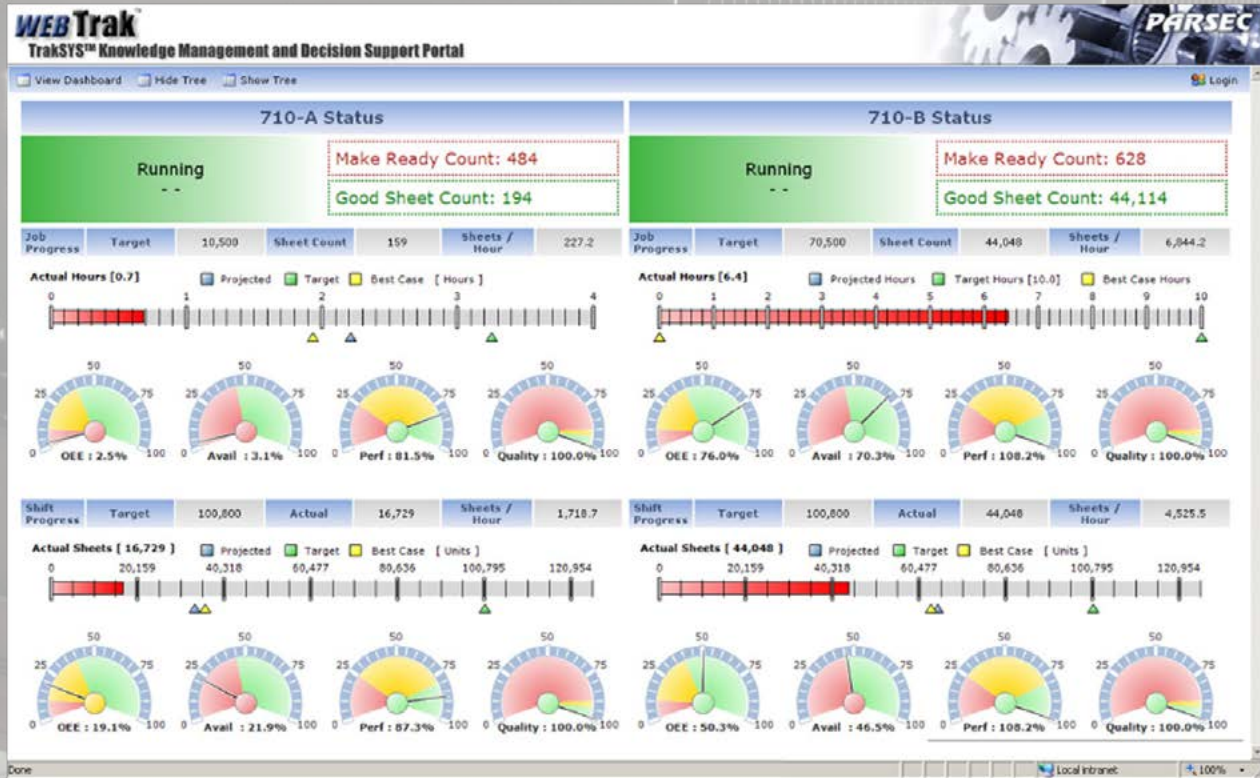


Figure 2 - APS Group TrakSYS™ Screen

Informing and Empowering

TrakSYS™ is designed to improve managing and executing manufacturing operations. The above APS Group displays feature customizable TrakSYS™ dashboards and interfaces, that are configured to fit any operator, regardless of roles or permissions.

TrakSYS™ was installed on one line,
and able to run in less than four
hours providing immediate, useful
data that helped the APS team see
the value.

TrakSYS™ Solutions Results

The TrakSYS™-powered operations management solution helped APS Group to Achieve:

Supplier

Quality Tracking
can now be
Accomplished

Buy-In

From Management
and Operators was
Quick & Easy

22%

OEE
Improvement in
the First Quarter

Goals

Related to going
Lean were
Achieved

ROI

Goals were Met

8.4%

Reduction in
Activities that
Don't Add Value

Root

Causes of
Productivity Losses
Discovered

4 Hour

Implementation
of TrakSYS™ on a
Single Line

Achieved TrakSYS™ Solution Benefits

Results

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

- Achieved a 22 percent improvement in OEE in the first four months.
- Accurately and consistently identified the root causes of productivity losses.
- Established visual management for operational productivity.
- Met the established Lean Manufacturing goals.
- Quality and performance issues can now be compared and reviewed against individual suppliers of raw materials.
- Reduced the non-chargeable, wasteful activities down 8.4 percent, freeing up additional production time.
- Ultimate buy-in from equipment operators in improving efficiencies was achieved from top down (the director's office to the shop floor).
- Met the return-on-investment goals established for the project.



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.

Sources

1. Marketing and communication solutions provider - APS Group. (n.d.). Retrieved December 31, 2015, from <http://www.theapsgroup.com/who-we-are/>

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