

Productivity Up Over 30% with **Spencer****METRICS** **CONNECT**!

The **Spencer****METRICS** **CONNECT**[®] system was recently installed in a busy pressroom¹, running 2-3 shifts depending on demand.

PROBLEM

Production data was being manually gathered in order to estimate a few key performance metrics, including OEE; this compromised operator productivity while providing marginal data integrity. Manual data collection was time consuming, requiring multiple steps by multiple people, and subject to human error. By the time metrics were available much of it was operationally obsolete, and limited analytics did not identify root causes.

Manual estimates of task durations may be far from reality, and in the rush to maintain production targets, some may not be recorded at all. Ultimately, press uptime may not even match with operational downtime.

SOLUTION

The **CONNECT** system was installed on a half-dozen color digital cut-sheet presses. **CONNECT**'s large real-time shop floor display enabled all production staff to see the progress of each press at a glance. Each operator could monitor their performance through each shift and their progress toward production targets. Management used **CONNECT**'s up-to-the-minute analytics to identify opportunities to improve productivity by reducing unnecessary downtime of each press. Through a week-by-week, press-by-press process, **CONNECT** helped management identify excessive downtime, investigate and determine its root causes, and implement cost savings.

RESULTS

Real-time **OEE**² analytics for each press helped to monitor progress and to confirm actions were achieving their desired results. In some cases improvements depended upon workflow changes; in other cases some operator training was needed; in still others, enhanced operator engagement boosted bottom line results.

Over the first six weeks, the average OEE for the six presses increased 55% – from 42.8 to 66.5. Their total production rate increased from 5,813 to 7,663 units an hour – an increase of 31.8%!

For any shop running two shifts a day, 5½ days per week, a 31.8% rate increase means

- the original output could be maintained with 92 fewer hours per month – that's 11 fewer shifts each month!
- if the additional units could be sold at an incremental profit of 2¢ each, the increase would amount to over \$14,000 a month!

¹ The company has requested to remain anonymous.

² Learn about Overall Equipment Effectiveness at www.oee.foundation.org and www.spencermetrics.com/resources/papers-presentations/

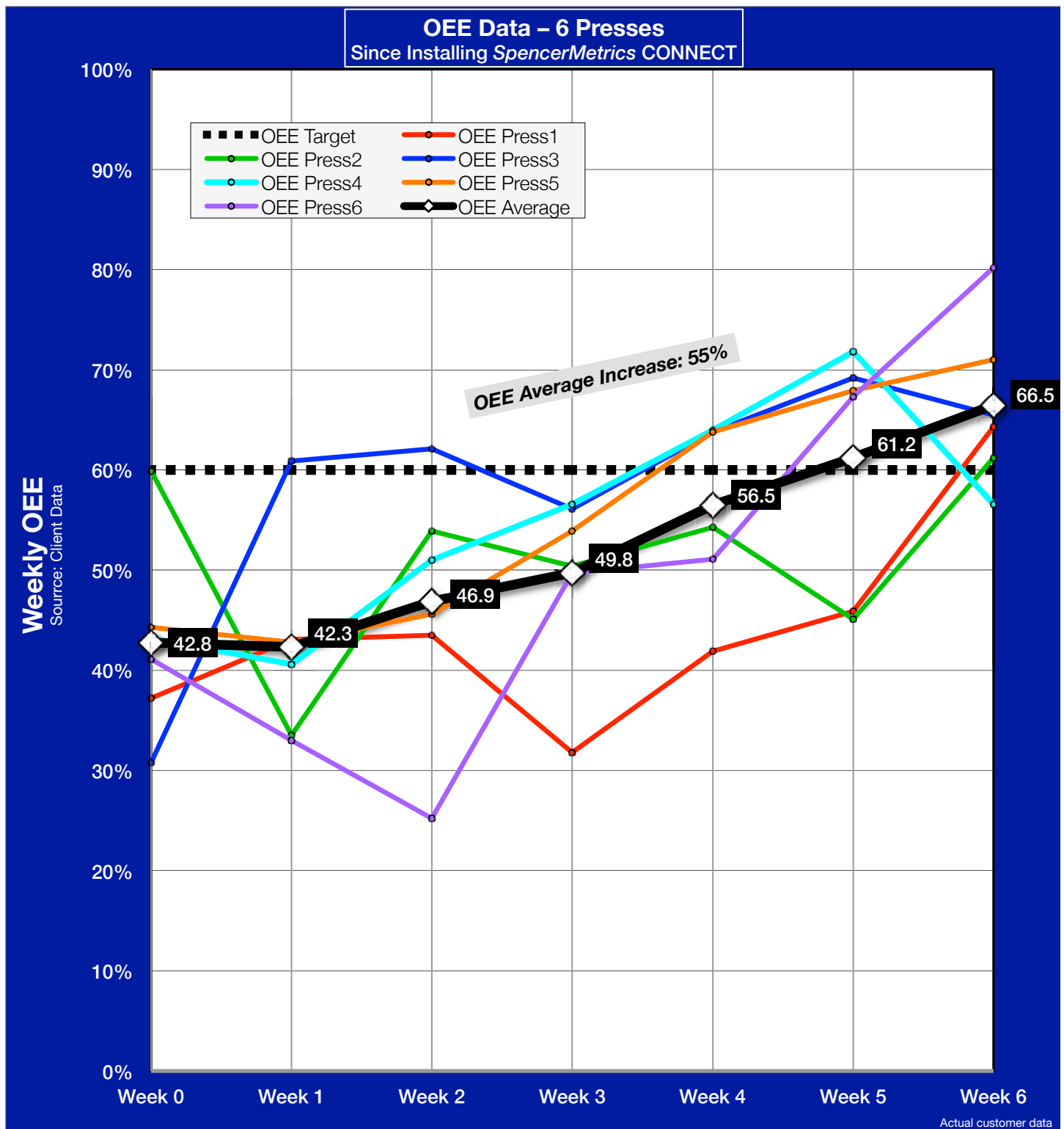


Figure 1. OEE Trends

Prior to using **CONNECT**, the OEE of the six presses ranged from about 31% to 60%; the average OEE was 42.8. Over the following six weeks, management was able to identify best practices and root causes of excessive downtime.

Productivity of each press increased, resulting in an OEE range of 56% to 80%. Average OEE increased to 66.5 – a **55% gain!**

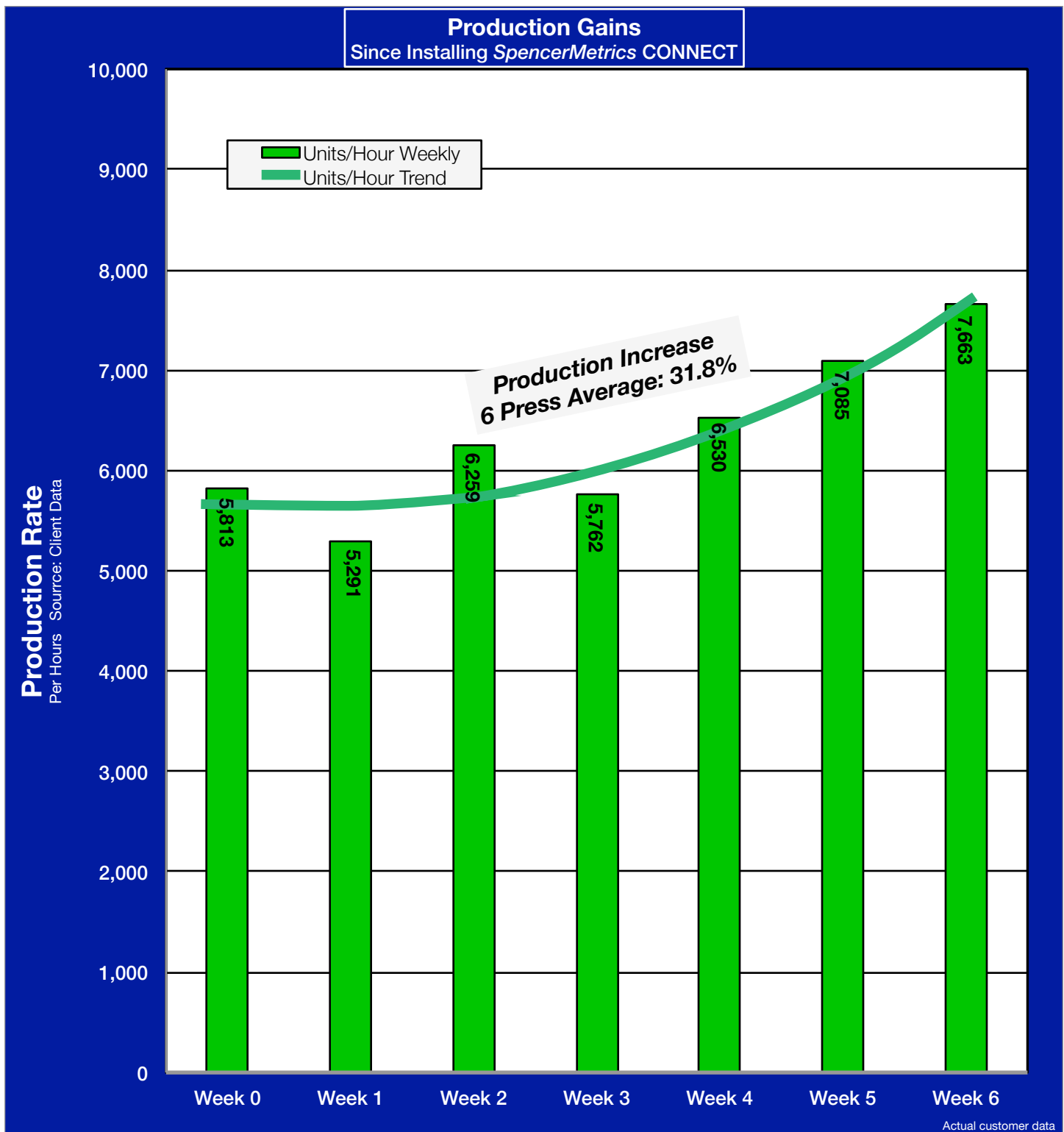


Figure 2. **Production Gains**

During the first six weeks' use of **CONNECT**, management increased the average press production rate from 5,813 units to 7,663 units an hour – *a 31.8% production gain!*

As previously noted: a shop running two shifts a day, 5½ days a week, could eliminate 2½ shifts a week and still maintain the original production rate. Or, if additional production could be sold at 2¢ profit, monthly profit would increase \$14K per press.

Reduce Costs with Analytics for Press Productivity

Intelligent Pressroom Management

Next-generation management and analysis software solution

The *SpencerMetrics* CONNECT system integrates the latest technologies into one automatic, multi-vendor, scalable, patent-pending solution that improves pressroom efficiency.

From optimizing your pressroom equipment, workflow, and personnel, to tracking data and job efficiency, CONNECT is what you need to manage, automate and raise your productivity in the most effective and easy manner possible.

For users in operations, service, and line management CONNECT is your solution for:

- » Increasing overall quality and efficiency
- » Providing real-time visibility and analytics
- » Improving resource allocation
- » Protecting your investment
- » Lowering your costs

Whether your need is enterprise-wide or just a single location, only CONNECT provides the architecture and ease-of-use to achieve your goals, protect your investment and prepare you to manage any level of growth in your environment—from adding new press capabilities, adding vendors, and integrating multi-vendor equipment to making informed CapX decisions with data, not just opinions.

Calculate your potential at www.spencermetrics.com.

KEY BENEFITS

- **Recapture Lost Print Time** –
Improve Productivity
- **Analyze Equipment Downtime** –
Identify Workflow Bottlenecks
- **Automatic Machine Data Capture** –
Real-time, Multi-vendor
- **Share Operator Knowledge** –
Breakthrough Capture of information
Touch-screen Editing at Each Press
- **Pressroom Real-Time Dashboard** –
Keep Personnel Informed & Engaged
- **Supervisory Real Time Analytics** –
Individual Programmable Alerts
- **Anytime, Anywhere, Analytics** –
Customized for All Management Levels
- **Compare** – Shifts/Operators, Time Periods,
Equipment and Groups, Remote Sites
- **Easily Identify Root Causes** –
Intuitive Drill-down for Information
- **Examine Jobs with Downtime Detail** –
24/7 Data with Precision Time Records
- **Improve Asset Utilization with Data** –
Investment Decisions without emotion
- **Scalable Cloud-based Architecture** –
Server with Database Management
- **Zero IT** – *No Maintenance*
- **Operational in Days** – *Not Months*
- **Increase ROI, Reduce Costs** –
Improve Profit!