

The Value of Real-Time Monitoring



1. THE SCENE

CONNECT is automatically collecting machine and shop floor activity from a fleet of production printing presses

Real-Time Dashboards are providing remote visual feedback, monitoring various KPIs including OEE, counts, waste, etc



2. A PROBLEM!

OEE for press #6 dropped substantially from its trend

Checking OEE components, a manager noted Performance (Expected vs. Actual Speed) was much lower than usual

OEE – Comparison		
	Press #6	Avg
Performance	69.7%	95.7%
OEE	37.3%	55.0%



3. DISCOVERY

CONNECT trend charts for the under-performing equipment confirmed that Performance was *not* normally low; a review of Performance by Operator showed differences

Operator Performance – Comparison			
Operator	Hours	Impressions	Rate
A	12.23	153,039	12513
B	14.54	136,701	9401

Loss in production rate on press #6:
12513 imp/hr - 9401 imp/hr = **3112 imp/hr**

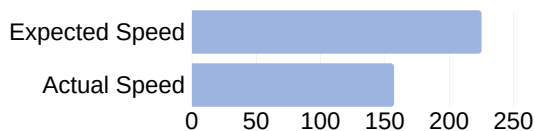


4. ACTION

Reviewing CONNECT's log downtime activities and procedures with the operator, the manager discovered that during Quality Control troubleshooting and diagnostics, the operator unknowingly enabled a setting that **slowed the press down by nearly 30%** – the loss of productivity!

Procedures were corrected, the operator re-trained

Press #6 Performance



Measured in impressions per minute (ipm)



5. RESULT

With CONNECT helping to identify the root cause of the issue, the OEE KPI returned back to its trend level

At a **savings of \$155.60/hour**, the company saved nearly \$50,000/month*

\$155.60/hour loss curbed
At \$0.05/impression,
3112 imp x \$0.05 = \$155.60/hour

*Assuming two-8 hour shifts, 5 days/week

CONCLUSION



This incident illustrates the **value of CONNECT**, a system that gathers accurate information and makes it available remotely in real-time as actionable information – issues can be addressed promptly, and **losses minimized**