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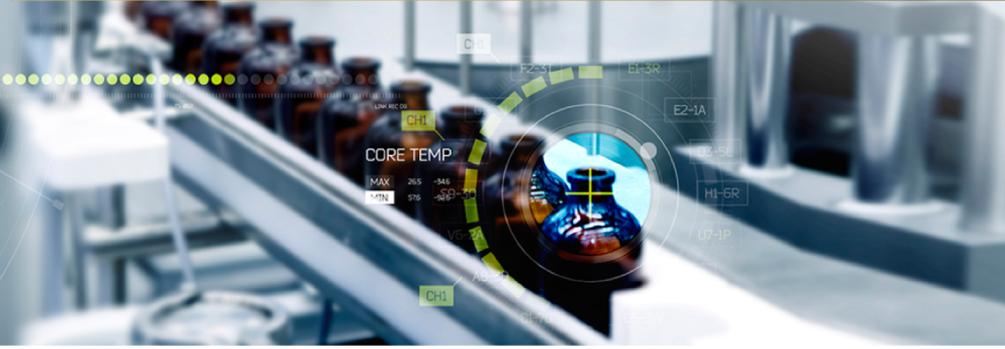
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03-F

Digital Factory Transformation OEE Tracker Solution



DIGITAL
FACTORY



OEE
TRACKER

Supply Chain Wizard
Digital Factory Solutions



SUPPLY CHAIN
WIZARD

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Industry Challenge

Overall Equipment Effectiveness (OEE) is at the heart of operational process improvement. It is closely linked to labor costs, production scheduling and capacity management. Already low OEE levels may drop even further due to installation of serialization & aggregation equipment, requiring proactive management.

What you get?

Cloud-based solution: Low cost, highly scalable & no infrastructure to maintain

IoT Technology: IoT enabled wireless sensors & non-intrusive installation with remote monitoring

Advanced Analytics: ability to scale capabilities, e.g. planning, predictive maintenance & performance benchmarks

Pharma-focus & Expertise: Life-long partnership with SCW, a proven advisor to pharmaceutical manufacturer clients

Quick setup & Risk-free: 1-day implementation, 60-day "risk-free" trial with full support to ensure client satisfaction

How does it work?

Supply Chain Wizard installs OEE Tracker in 1 day at client site

Line operators track each activity / task with only 2 clicks or touch

Real-time data is collected across sites/lines and displayed in dashboards

Automated alerts, reports & warnings help improve efficiency & compliance

Why you need it?

Understand your baseline line efficiency before and after serialization

Find ways to **minimize OEE losses** or even improve OEE over baseline

Establish a **performance driven culture** in packaging operations

Enable **data driven decision making** for capital investments & process change



Supply Chain Wizard – Digital Transformation Journey



Digital Factory Journey

Track & Trace Compliance

Impact to the Factory:

- Reduced OEE
- Reduced Throughput
- Higher Maintenance
- More Rejects
- Higher Overtime
- Higher COGS

DATA

- Quality Events
- Line Performance
- Activity Data
- Maintenance Data
- Labor Data
- Environmental Data
- Financial Data



DASHBOARD

- OEE / Performance
- Labor / Asset Analysis
- Capacity / Utilization
- Cost of Goods Sold



DECISIONS

Scheduling:

- Line / Staff Scheduler

Planning:

- Demand / Capacity / Inventory / Supply

Maintenance:

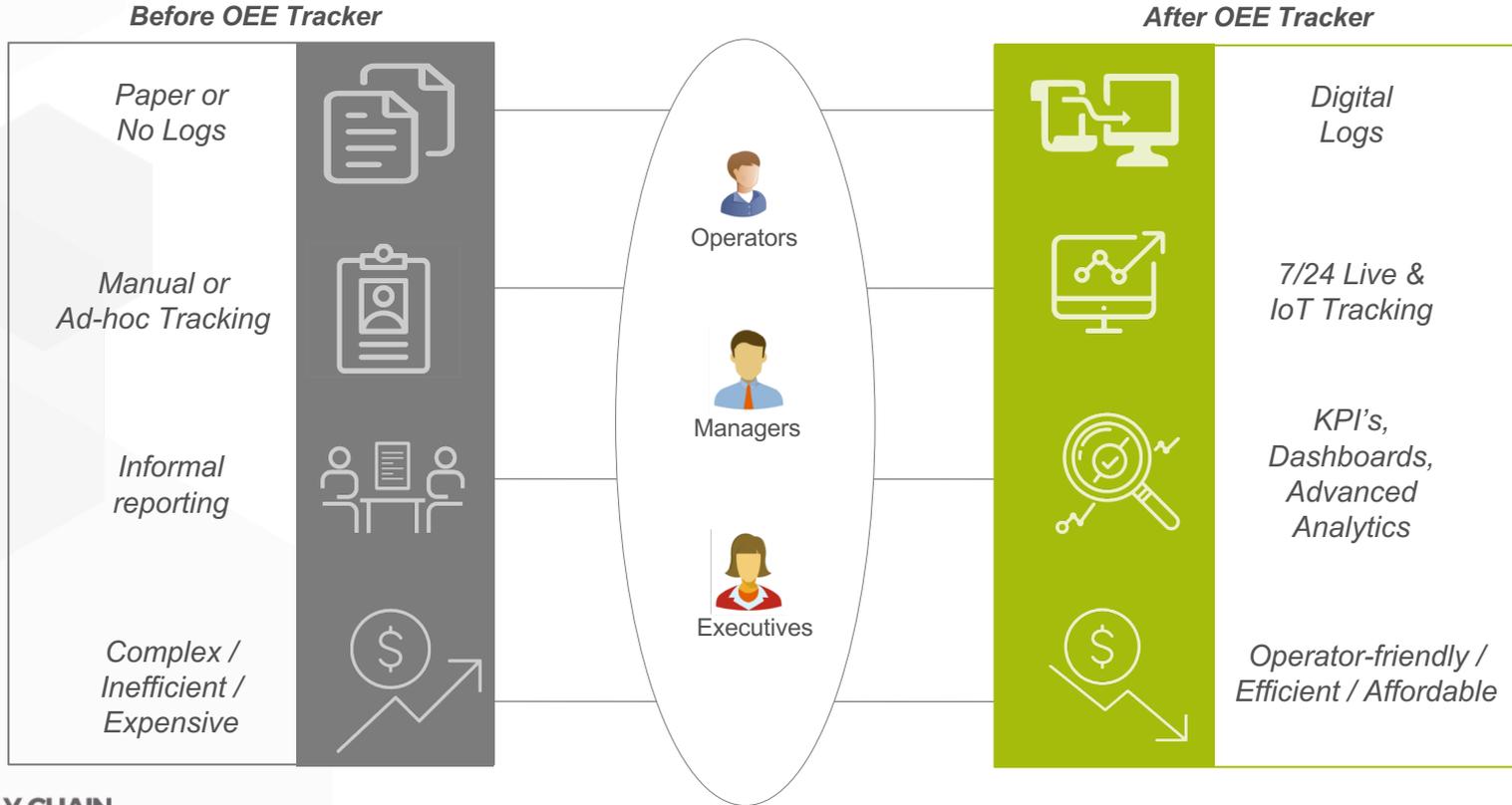
- Planned / Predictive
- Asset Replacement

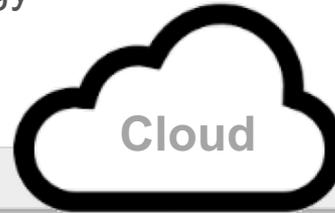


SCHEDULER



OEE Tracker - Before & After





SCW Wireless Router /
Site WiFi

Any Internet
Connection

Wireless Sensors



Wireless Sensors
Counter, Vibration,
Electricity, Temp,
Humidity..

OEE Tracker



Monitor
Touch Screen PC / Tablet

ERP Integration



Schedules
Work Orders, Target
Durations, Target Dates

OEE Tracker Dashboards, Reports



Anywhere you are
Live KPI View,
Line View, Reports



OEE Tracker Implementation

Hardware elements

- Touch Screen Monitors -24 Inch
- Wireless Sensors
- Modem WiFi Catcher



OEE Tracker Monitor



IoT Gateway



IoT Counter

User interaction



Training Day



Supervisor in Action

OEE Tracker Results

Serialization Implementation Improves Par Pharmaceutical's Efficiency.

OEE Tracker case study now on Healthcare Packaging

HEALTHCARE PACKAGING

SUPPLY CHAIN WIZARD

PAR PHARMACEUTICALS

Serialization Implementation Improves Par Pharma's Efficiency

Par Pharmaceuticals benefits by employing analytics-based OEE tracking system that digitizes formerly manual data collection processes on multiple packaging lines.



<https://www.healthcarepackaging.com/article/trends-and-issues/oe-lean-manufacturing/serialization-implementation-improves-par-pharmas>



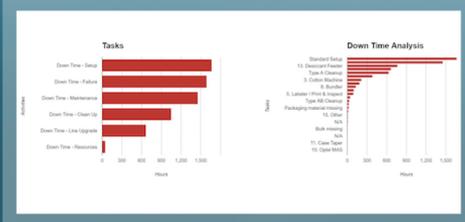
Transform your site into a “Digital Factory” with SCW



OEE & LINE VIEW DASHBOARD



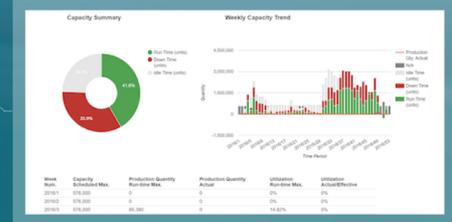
ROOT-CAUSE ANALYSIS



EXECUTIVE KPI DASHBOARDS



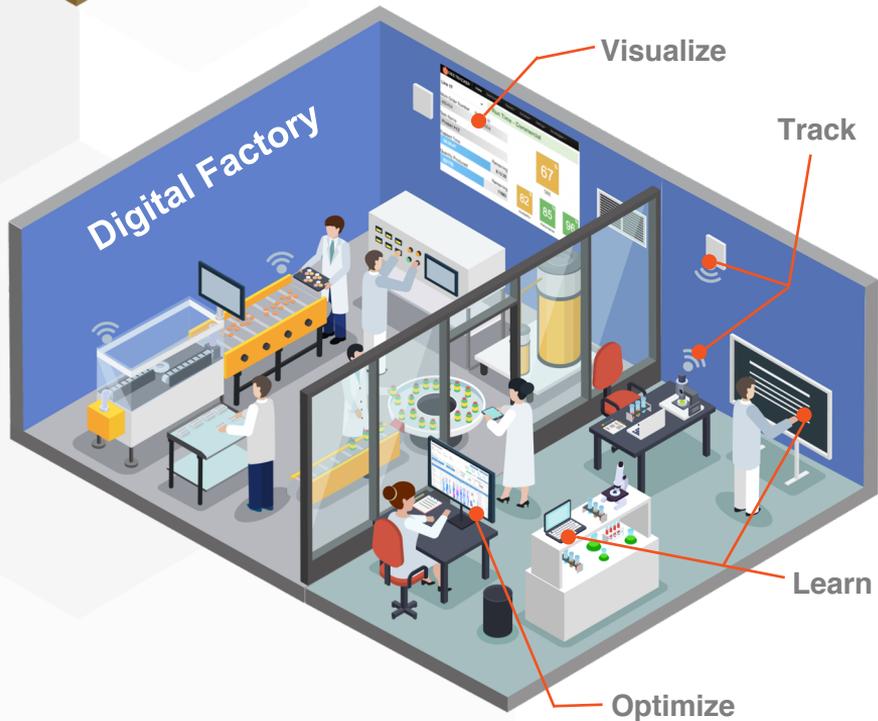
CAPACITY ANALYSIS



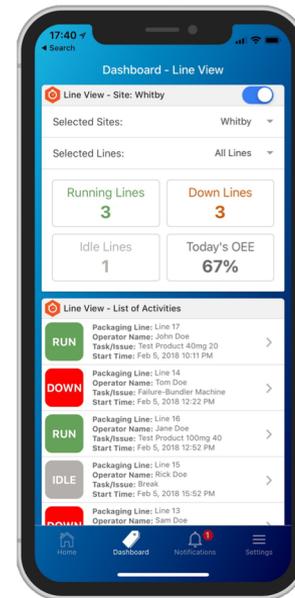
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Digital Factory - Transformation Essentials



Cloud & Mobile



Operations, OEE & Cost Management

- Efficiency management at packaging lines
- Improve OEE Management Systems & Processes
- Recover lost OEE & improve COGS

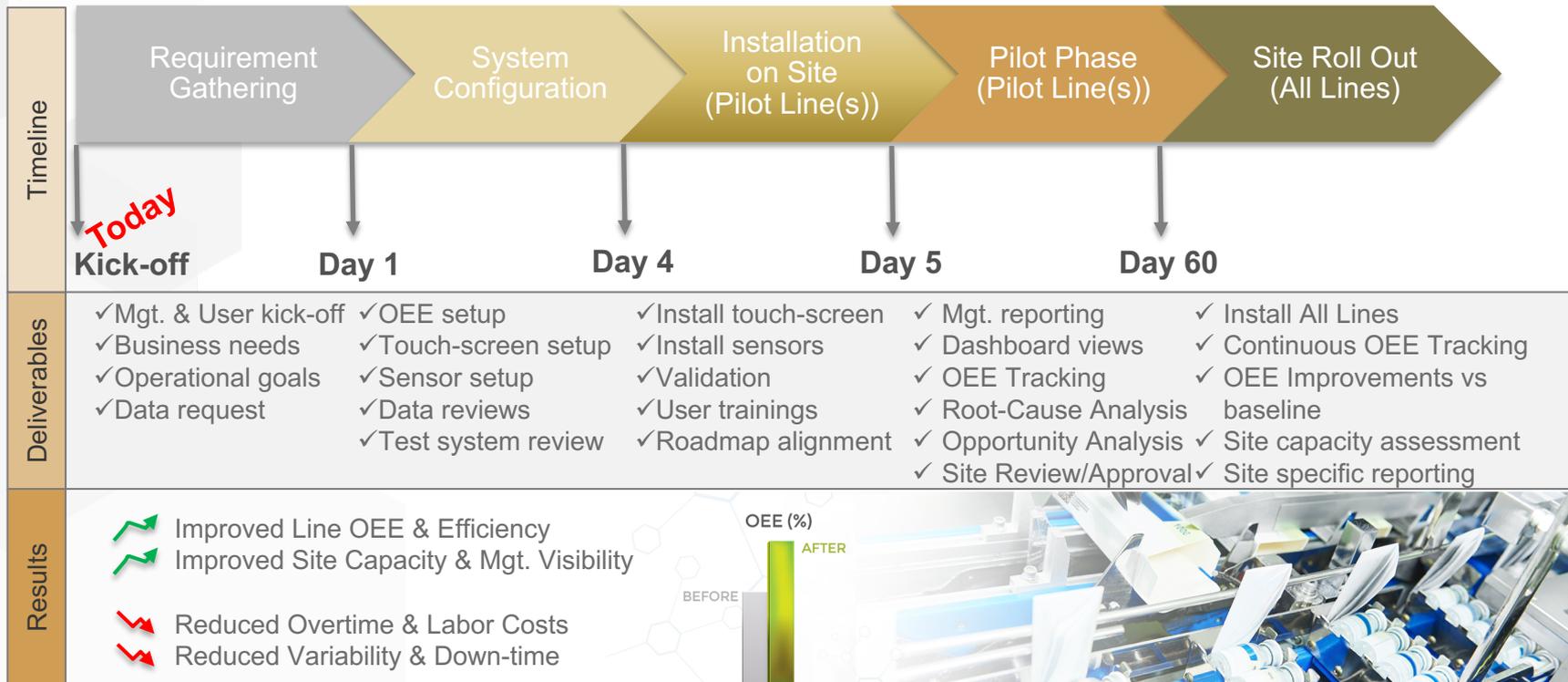
Track 24/7, wherever you are



OEE Tracker - Pilot Roadmap



Scope: Successful implementation of OEE Tracker and monitoring & improving OEE





Thank you

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