SCW.AI

Digital Factory Platform

Building the Operating System
for Self-Driving Factory & Supply Chain
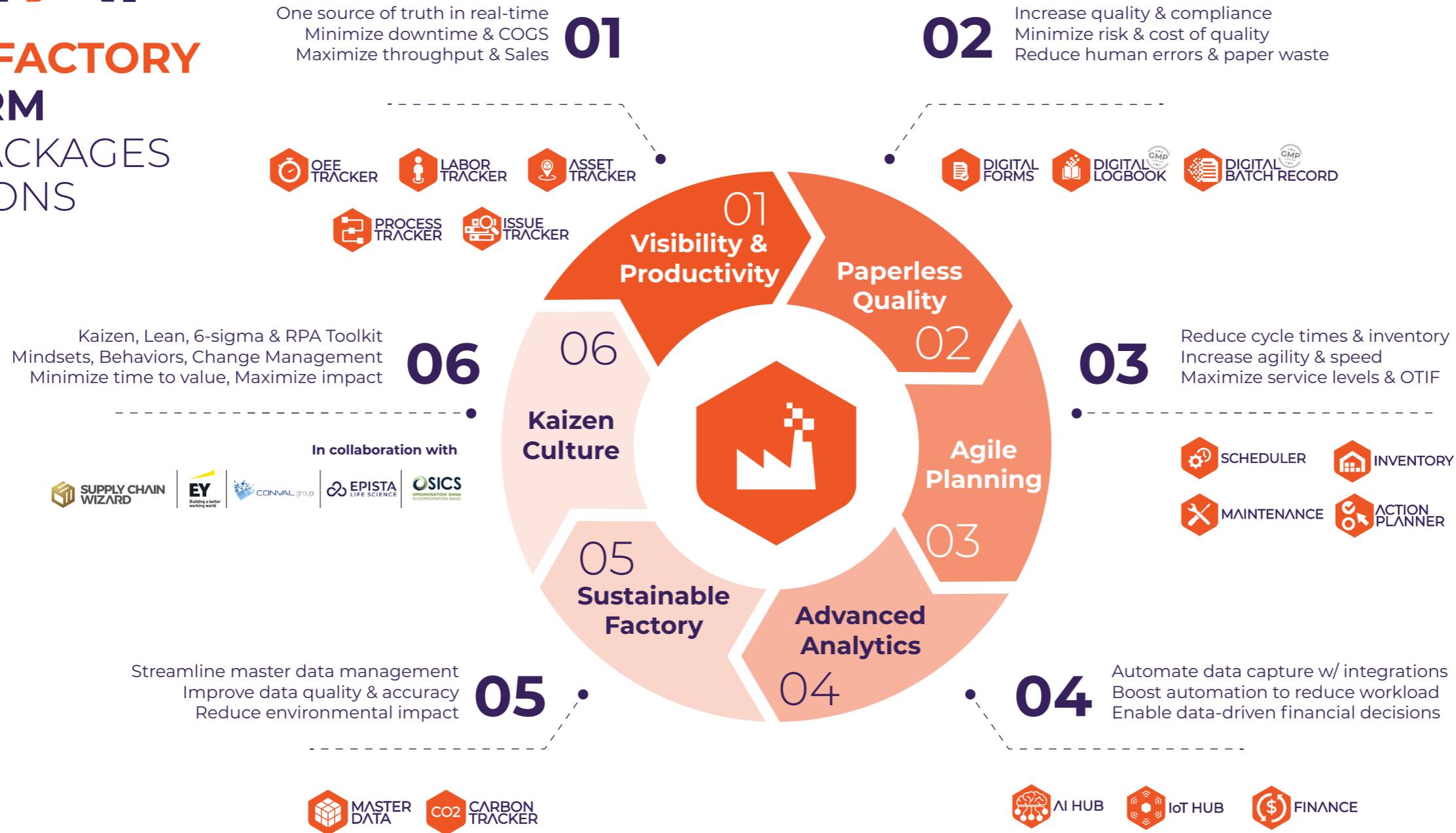
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DIGITAL FACTORY
PLATFORM
VALUE PACKAGES
& SOLUTIONS

DIGITAL FACTORY

01
One source of truth in real-time
Minimize downtime & COGS
Maximize throughput & Sales

02
Increase quality & compliance
Minimize risk & cost of quality
Reduce human errors & paper waste

03
Reduce cycle times & inventory
Increase agility & speed
Maximize service levels & OTIF

04
Automate data capture w/ integrations
Boost automation to reduce workload
Enable data-driven financial decisions

05
Streamline master data management
Improve data quality & accuracy
Reduce environmental impact

06
Kaizen, Lean, 6-sigma & RPA Toolkit
Mindsets, Behaviors, Change Management
Minimize time to value, Maximize impact

Circle diagram
- 01 Visibility & Productivity
- 02 Paperless Quality
- 03 Agile Planning
- 04 Advanced Analytics
- 05 Sustainable Factory
- 06 Kaizen Culture

Icons
OEE TRACKER · LABOR TRACKER · ASSET TRACKER · PROCESS TRACKER · ISSUE TRACKER

DIGITAL FORMS · DIGITAL LOGBOOK (GMP) · DIGITAL BATCH RECORD (GMP)

SCHEDULER · INVENTORY · MAINTENANCE · ACTION PLANNER

AI HUB · IoT HUB · FINANCE

MASTER DATA · CO2 CARBON TRACKER

In collaboration with
SUPPLY CHAIN WIZARD · EY Building a better working world · CONVAL group · EPISTA LIFE SCIENCE · OSICS ORGANISATION SANA IN CORPORATION SANO

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Visibility & Productivity 01

SCW.AI
Digital Factory Platform:

Value Proposition:

One source of truth in real-time ⊘
Minimize downtime & COGS ⊘
Maximize throughput & sales ⊘

WO12345
PRABX11410MG
Productilin 10mg

SCANNING...

> "Digital Factory has helped present more accurate downtime metrics than we were previously tracking. This has allowed for driven actions to be put in place and monitored. The company is constantly updating their trackers as well to better improve customer use."
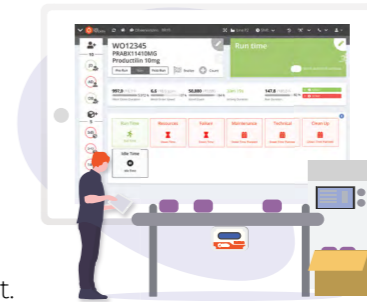
Catalent® ★★★★★

top use cases

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OEE TRACKER
· Line digital performance mgt.
· Real-time OEE & downtime tracking
· Shift tracking/handover, WO performance
· Root cause analysis & trend analytics

LABOR TRACKER
· Labor performance management
· Labor location & status visibility
· Labor overtime tracking & management
· Labor utilization analytics
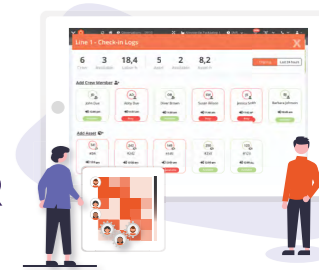
ASSET TRACKER
· Asset location & status visibility
· Asset utilization analytics
· Asset investment planning (hoppers, bins)
· Asset-specific smart alerts

PROCESS TRACKER
· Process analytics & visibility
· Changeover time reduction
· Digital work instructions & checklists
· New hire onboarding training

ISSUE TRACKER
· Monitor issues affecting productivity
· Issue frequency tracking & reporting
· Issue categorization: safety, quality, ops...etc.
· Issue resolution and problem solving

Combination Use Cases
· Skill matrix & labor experience mgt.
· Tier management & problem-solving support
· Work Order readiness visibility
· Bottleneck identification & resolution

Paperless Quality

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Digital Factory Platform:

Value Proposition:

Increase quality & compliance ✓

Minimize risk & cost of quality ✓

Reduce human errors & paper waste ✓

> "We were able to capture SOP requirements in smart forms. Retrieving and reporting original data resulted in time reduction of ~85%. The flexibility and user friendliness of Digital Logbook is very very positive."

**Thermo Fisher**
SCIENTIFIC ★★★★★

top use cases

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DIGITAL FORMS

- Gemba walk, line audit & checklists mgt.
- Non-GMP shop floor observation recording
- Paperwork reduction with custom forms
- Intelligent data gathering w/ smart forms

DIGITAL LOGBOOK (GMP COMPLIANT)

- Capturing & reporting logs digitally
- Archiving and analyzing logbook data
- Document management & version control
- Approval routing & daily task management

DIGITAL BATCH RECORD (GMP COMPLIANT)

- E2E Batch record lifecycle tracking & reporting
- Document management for master batch record
- GMP audit trail and investigation support
- Batch release process & alert management
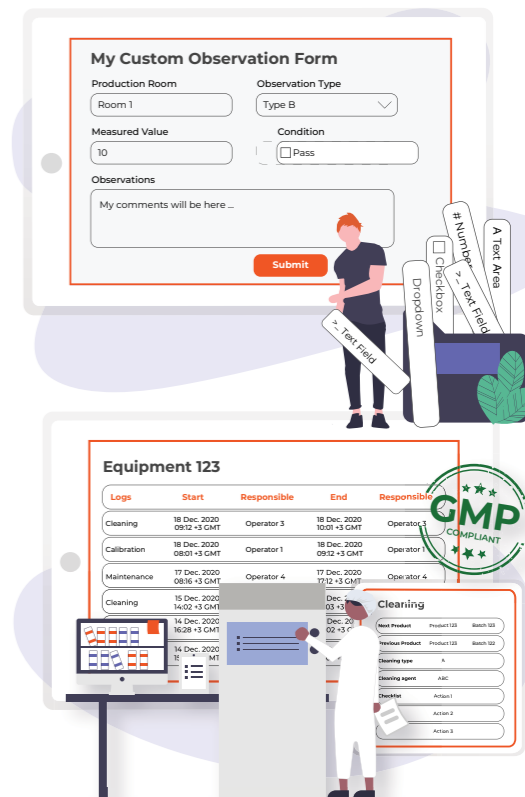
Combination Use Cases

- Annual product reviews
- Batch release decision support
- Anomaly detection & risk management
- Real-time feedback & OOS management

Agile Planning

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Digital Factory Platform:

Value Proposition:

Reduce cycle times & inventory ✓

Increase agility & speed ✓

Maximize service levels & OTIF ✓

"SCW has been great in terms of being the right technology partner with us. With the right technology we are establishing the right digital transformation processes."
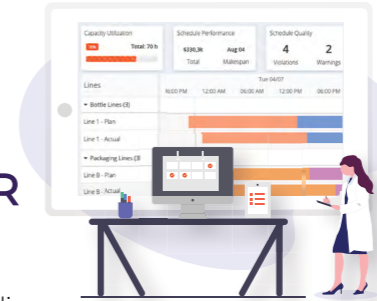
A. MENARINI Pharma

★★★★★

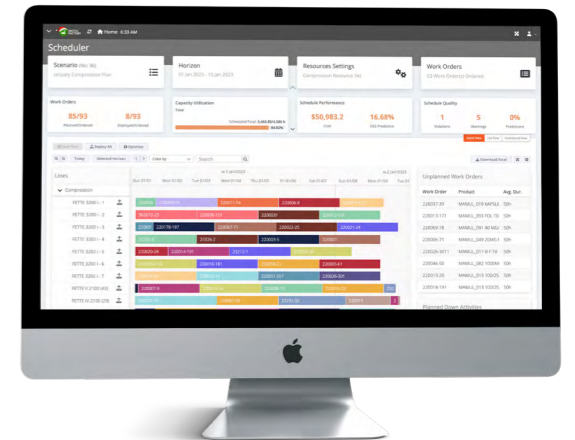# top use cases

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SCHEDULER

- Production work order scheduling
- Schedule adherence (plan vs. actual) report
- Visual scheduling and real-time monitoring
- Scenario planning & site KPIs calculations

ACTION PLANNER

- Action item planning for continuous improvement
- Action plan (owner, due date, status) visibility
- Action recommendations to recurring issues
- Action vs. impact correlation tracking

MAINTENANCE

- Maintenance work order planning & visibility
- Usage-based vs. time-based maintenance
- Reliability analytics (MTTF, MTTR, FMEA)
- Asset replacement / CAPEX strategy

INVENTORY

- Material & WIP inventory tracking
- Expiry management & product hold alerts
- BOM, version & routing management
- Inventory levels vs. targets reporting (RM, WIP)

Combination Use Cases

- Production & labor scheduling optimization
- Predictive maintenance w/ risk alerts
- Maintenance crew performance
- Work Order readiness planning

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Digital Factory Platform:

Value Proposition:

Automate data capture w/integrations ⊘

Boost automation to reduce workload ⊘

Enable data-driven financial decisions ⊘

top use cases

AI HUB

· Computer vision based line status tracking
· Scheduling optimization algorithms/heuristics
· Anomaly detection (e.g., master data, logbook)
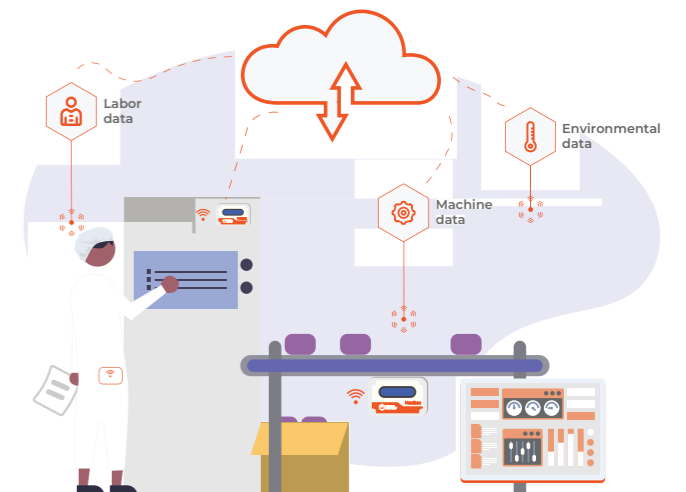· Warnings/violations (e.g., scheduling)

IoT HUB

· Data collection automation w/ IoT sensors
· Auto-pilot with OPC/PLC tag integration
· Advanced auto-pilot w/ multi-sensor checks
· Custom integration & automation logic

Combination Use Cases

· Micro-stop analysis & reporting
· Bayesian predictions on WO durations
· Value & savings tracking
· Budget vs. forecasted performance

FINANCE

· Budget vs. actual COGS
· Product vs. batch level profitability
· Variance tracking & analysis
· Throughput time / Cycle time & COGS reporting

DIGITAL FACTORY

HexBox IoT Starter Kit

HexBox

Labor data

Environmental data

Machine data

SCW.AI
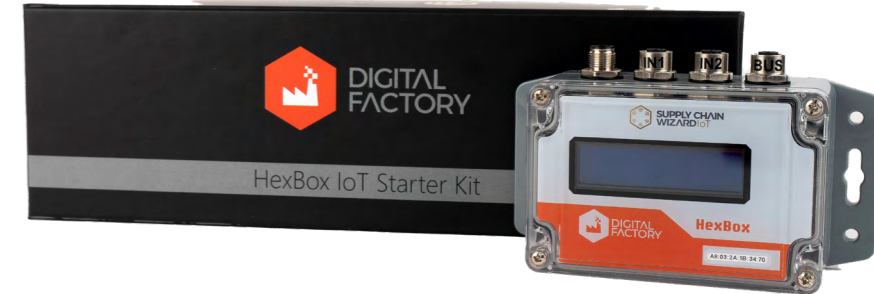
Digital Factory Platform:

Value Proposition:

Streamline master data management ⊘

Improve data quality & accuracy ⊘

Reduce environmental impact ⊘

> "SCW Digital Factory system allows us to track historical performance and implement meaningful changes that have an impact to improved performance. I like that the system is maintained by SCW, and not by our internal team. We selected SCW because we wanted a system that is continuously improving."

hikma.

★★★★★

top use cases

MASTER DATA

· Dynamic master data management
· Data quality metrics reporting
· Data validation checks & alerts
· Missing data & reconciliation checks

Combination Use Cases

· Annual budget / COGS standards setting
· User adoption & effectiveness analysis
· Continuous review of planning parameters
· Data quality alerts & role-based reports

CO2 CARBON TRACKER

· Carbon footprint impact calculation
· Net-zero target progress tracking
· Carbon impact reporting by product / dept.
· Other sustainability / ESG metrics reporting

Visualize
Track
Learn
Optimize

Product Speed Analysis

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Digital Factory Platform:

Leading Pharma Consulting Companies around the World

SUPPLY CHAIN WIZARD | EY Building a better working world | CONVAL group | EPISTA LIFE SCIENCE | OSICS ORGANISATION SANA IN CORPORATION SANO

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DIGITAL FACTORY CONSULTING

Value Proposition:

- ⊘ Kaizen, Lean, 6-sigma & RPA Toolkit
- ⊘ Mindsets, Behaviors, Change Management
- ⊘ Minimize time to value, Maximize impact

Strategy

| Digital Factory Strategy & Roadmap Design | Digital Factory Maturity & Gap Assessment | Digital Factory ROI / Business Case | Digital Transformation Leadership Training | Pilot Project Design & Delivery |

Execution

| Process Improvement Lean / Six-sigma Projects | Kaizen Workshops | Advanced Analytics & Reporting | Smart Automation w/ RPA | Roll-out PMO Change Management |

WHY SCW.AI?

A Winning Partnership for Pharma Factory of the Future

Speed & Simplicity

01

Agile Experts In Modern Software Dev.
50+ Software Releases Per Year
Fast Implementations & Integrations
Flexible Capabilities & User-friendly Design

Cloud-native Scalability

02

Highly Scalable, Single Source-code
Cost Effective Roll-out (No Hidden Costs)
Continuous Innovation (Saas)
Innovative New Features & Use Cases

Single Platform

03

Full Suite Of Modular Solutions
Visibility & Productivity (OEE, Labor, Asset)
Paperless Quality (Digital Logbook, DBR)
Agile Planning (Scheduler, Maintenance)

Pharma Focused

04

Leader In Pharma Digital Factory
Top CDMO (Thermo Fisher, Catalent...)
Top Generics (Par, Strides, Lannett....)
Top Branded (Takeda, Menarini, Hikma...)

Integration & Automation

05

Full Integration To ERP & MES
Native Connectors To PLC / OPC Servers
Library Of APIs For Two-way Connection
AI Hub Module For Advanced Automation

Partnerships & Investors

06

Recently Raised $10M Series A
Investors: BIP Ventures & Sabanci Ventures
World-class Partners: Microsoft, Siemens
Consulting Partners: PwC, EY, McKinsey

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