

A photograph of two scientists, a man and a woman, wearing white lab coats and hairnets. They are looking at a tray of small vials or samples. The background is a blurred laboratory setting with various pieces of equipment.

# Smart Manufacturing solutions

We help our customers create future-ready pharmaceutical manufacturing and biotech facilities.

MANUFACTURING OPERATION MANAGEMENT

# Smart Manufacturing

## Boost Manufacturing Efficiency

### Digital Process engineering

Start your digital asset life-cycle  
Reduce time to market and improve  
operation and maintenance consistency.

### Process Automation

Innovative control solutions for single  
use, batch and continuous  
pharmaceutical production process

### Smart Machines & Robotic

High speed motion automation offer  
and know-how for outstanding  
performance

### Process Analytical Technology

A range of process analyzers and tools to support  
PAT initiative and improve product quality

### HMI and Data Integration

IoT ready system platform for better  
collaboration and reduced TCO

### Industrial Information Management

Transformation of your data into actionable  
knowledge and wisdom

### Recipe and Batch Management

Best in class solutions for management of  
flexible production process in regulated  
environment

### Manufacturing Operation Management

Multi-site IT platform for best in class operation,  
performance and quality

### Simulation & Augmented Reality

Helping you to better understand your complex  
process and take efficiency to the next level

# Manufacturing Operation Management (1/3)

Multi-site IT platform for best in class operation, performance and quality.



- Proven solutions and reduce compliance cost and increase operational agility.
- In order to maximize return on existing investments, you need to improve equipment uptime, line throughput, and product quality.



# Manufacturing Operation Management (2/3)

{Multi-site IT platform for best in class operation, performance and quality.



## The Solutions

- [AVEVA MES and Manufacturing Operations Management](#)
- [AVEVA Recipe Management](#)
- [AVEVA Batch Management](#)
- [ProLeiT Plant iT](#)

Explore offers by AVEVA

Explore offers by ProLeiT

# Manufacturing Operation Management (3/3)

Multi-site IT platform for best in class operation, performance and quality



## The Benefits

- Up to 80% decrease in decision-making time due to improved operational visibility and real-time analytic tools
- Overall productivity improvements from 15 to 20% by employing a real-time manufacturing operations solution
- Up to 10 to 20% in cost reductions and as much as 20 to 30% increase in yields
- 10% in productivity improvements
- Up to 50% in reduced costs
- Uptime improvements of up to 30%
- OEE improvements of up to 20%

# Valpharma, San Marino

Development of the production technologies with Drug Prescription

## Customer challenges

- Automated Prescription management for Production launch and Production tracking
- Executable Data record and management, meeting Pharmaceutical Regulatory Standards
- BMS/EMS integrated in production

## The solution

A complete EcoStruxure Plant solution, including:

- AVEVA software - System Platform & Intouch for HMI
- Prescription execution with Modicon PAC
- More than 60 Inverters, Soft Starts
- Services: commissioning, start-up, procedure validation & maintenance

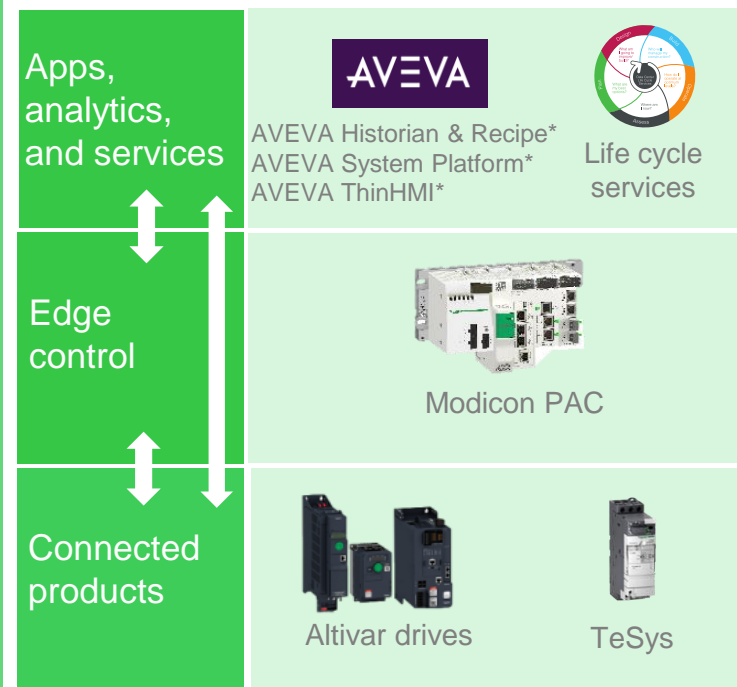
## Customer benefits

- State-of-the-art system in terms of control electronics (**15% paper reduction, 80% human error reduction**)
- **100% regulation compliance** with 21 CFR Part 11 and GAMP
- Full prescription confirmation
- Turn-key & trustworthy production data storage
- Faster (**50% reduction in docs manual review**) and safer operations

## The Results: Life Is On with...**Increase and Accurate production**

**Leading** pharmaceutical developer & contract manufacturer, with **40 years** experience & a presence in **70 countries**

## EcoStruxure™ For Life Sciences



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[Link to video](#) | Life Is On | Schneider Electric



# Catalent, France

Digital solution for weighting operations management



## Customer Challenge

- Modernization of the production process
- Replacement of the existing solution to centrally manage the weighting operations: too old and not « open »

## The Solution

- Manufacturing Execution System including: Workflow Management, Batch Management, Historian
- Supervision with InTouch HMI and System Platform

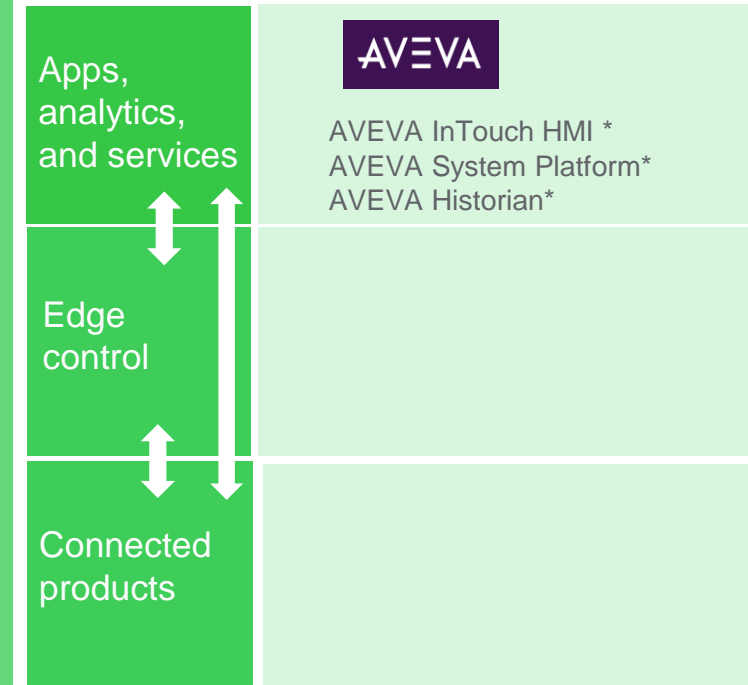
## Customer Benefits

- Open and « future-ready » solution easier to evolve
- Customized solution enabling a greater interface between existing ERP on site and equipment such as balance, printers, bar code readers,
- Electronic management of the weighting operations
- 1 operator managing the operation instead of 2 previously

**The Results: Life is On with...Data integrity & traceability**

Drug development, delivery and supply company for drugs, biologics and consumer health products.

**Ecostruxure™ For Life Sciences**



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 **System Integrator for this project**

[Video](#)



Life Is On

**Schneider**  
Electric