



# Smart Manufacturing solutions

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

SIMULATION & AUGMENTED REALITY

# 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

# Simulation & Augmented reality (1/3)

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



- Digitize your entire plant with AR/VR immersive systems to develop process simulation models and operator training systems that allow you to unlock profitability, maximize throughput, and control costs throughout the entire plant lifecycle from design to operation and optimization.

# Simulation & Augmented reality (2/3)

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



## The Solutions

- [EcoStruxure Augmented Operator Advisor](#)
- [Operator Training Simulators](#)
- [Immersive Training System](#)

# Simulation & Augmented reality (3/3)

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



## The Benefits

- Enable process yield improvement and reduction of capital investment costs.
- Maximize employee productivity and efficiency through advanced learning, operational insight, and automation.
- Increase production efficiency and quality with operator trained on all the aspects and possible situations of specific operations.
- Allow safer operation while improving performance and productivity.
- Effectively empower operators to run a process or plant



# Becton Dickinson, France

Innovative maintenance of new machine thanks to Augmented Reality



## Customer Challenge

- Need of an innovative solution enabling the diagnostic and maintenance of a new machine.

## The Solution

- EcoStruxure Augmented Operator Advisor

## Customer Benefits

- Real-time visualisation of all Point of Interests.
- Innovative solution for the machine maintenance allowing the capitalization and sharing of operators' knowledge
- Solution easy to integrate to existing machine

Life is On with... Digital transformation of the maintenance

Global medical technology company providing innovative solutions that help advance medical research and genomics.

EcoStruxure™ For Life Sciences

Apps, analytics, and services



EcoStruxure Augmented Operator Advisor



Edge control



Connected products

Video

Life Is On



Life Is On



**Schneider**  
Electric

