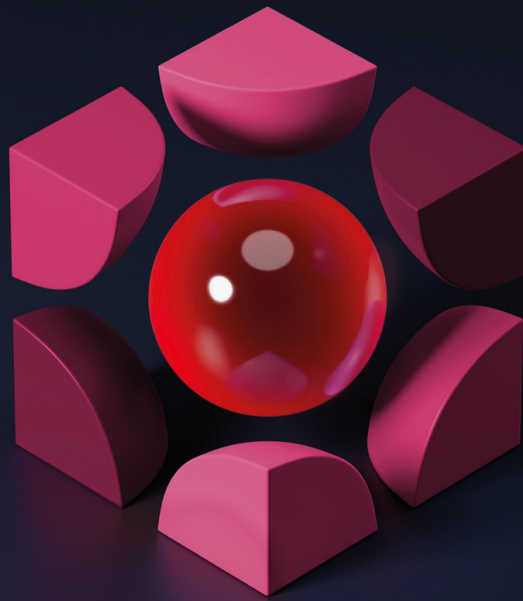


# Automation with Ascon Systems Digital Twins

Model, execute and automate your production facilities using the Ascon Systems Automation Platform. Increase production flexibility and enhance resilience by breaking down the rigid structures of today's production processes.



„Our mission is to enable the future of manufacturing by increasing production flexibility and making room for intelligent decisions, whether human or AI.“

Daniel Rinker, Senior Product Manager / Ascon Systems

## How can you use a Digital Shadow?

### Energy Efficiency



Optimize energy consumption by identifying inefficiencies and peak demand periods.

Implement sustainable energy-saving initiatives like equipment upgrades or renewable energy integration to reduce costs and carbon emissions.

### Easy Simulations



Simulate production scenarios and safety procedures.

Depict production scenarios and virtual training environments for workforce development, enhancing skills, reducing training costs, and improving safety awareness.

### Lower OT Equipment Costs



Standardization eliminates costly integration projects for OT equipment.

IT/ OT integration is being standardized. Digital twins support production processes and steering of equipment.

### Process Optimization



Integrate data from various sources to model manufacturing processes.

Experiment with parameters and optimize resource utilization for improved productivity, waste reduction, and product quality enhancement.

## Why Ascon Systems Automation?

- IT/ OT integration leads to higher network efficiency and digital information continuity
- Higher production flexibility through process standardization
- Event-driven data synchronization and processing
- Digital twins enable analysis, prediction & optimization.
- A flexible and intelligent shopfloor increases resilience to market conditions

## End-to-End Automation - the Ascon Qube


Ascon Systems' Automation lets you model and execute process and system logic bidirectionally, between the virtual and the real world. Through process orchestration equipment and systems are integrated and the IT/ OT convergence gap is bridged.

As part of the Ascon Qube, the Automation technology enables you to plan and model production processes. Ascon Qube is an edge-to-cloud platform that lets you break free from hard-coded PLCs and integrate heterogeneous landscapes. Live-synced digital twins deliver complete transparency and an interface to execute low-code changes.

What does Ascon Systems hold for you?

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