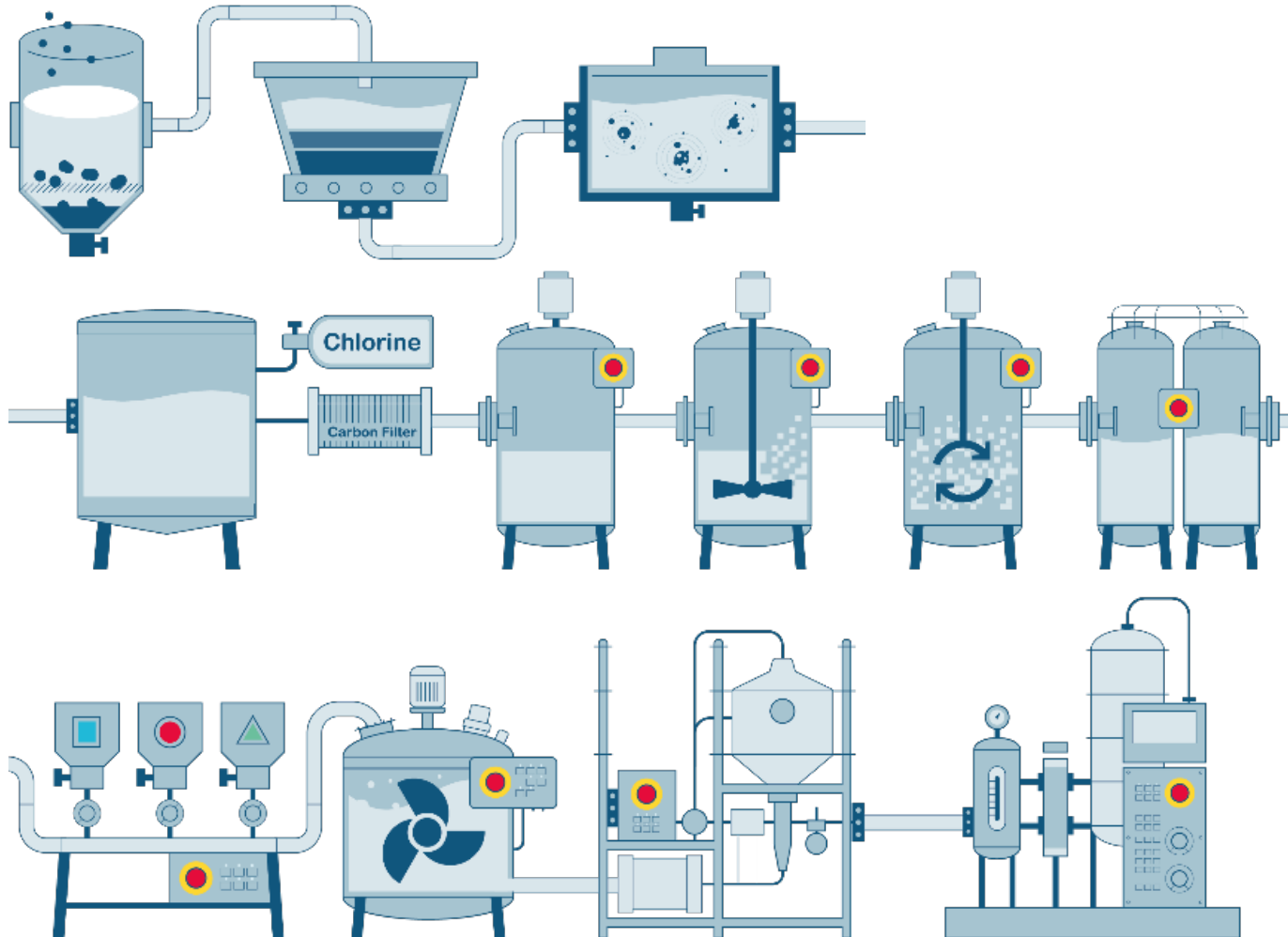# Industrial Networks

Backbone for the Soft Drinks Industry
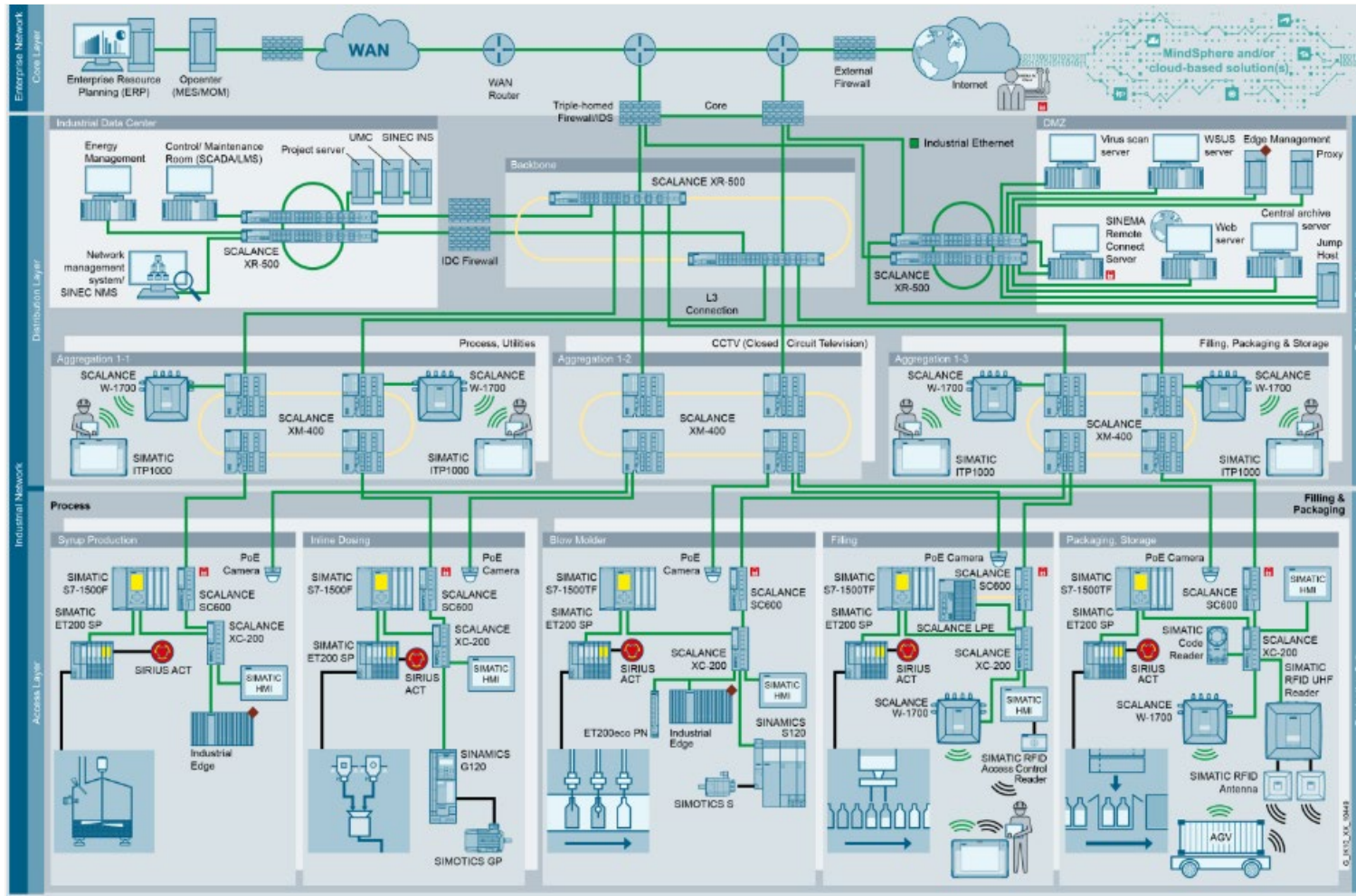
**SIEMENS**

# Soft Drinks Production



## Description

At Siemens F&B, we harbor a vast sea of knowledge and expertise about the entire production process in the soft drinks industry. We are familiar with every step in the process and provide electrification, digitalization, automation and communication solution to every aspect.

Our expertise directly translates into value by having the right approach from the outset.

Together with extensive and long-term experience with customers around the globe, trusting in Siemens technology, we are capable of providing holistic solutions to transform and equip soft drinks production plants today and in the future.

**SIEMENS**

# General Overview and Main Features

## Description

Industrial connectivity provides the foundation and necessary infrastructure for digitalization and the benefits it brings. For industrial operations, this must be done with particular care for security, safety and continuous availability.

This approach tackles the main challenges of IT/OT integration and delivers the ideal answer for the industry.

Learn about our network solutions like

- Perfect interaction between OT and IT networks
- Cybersecurity in the soft drinks industry – white paper
- Security, traceability and efficiency via ID card and RFID @ Coca-Cola, Belgium
- Faster bottling - use case
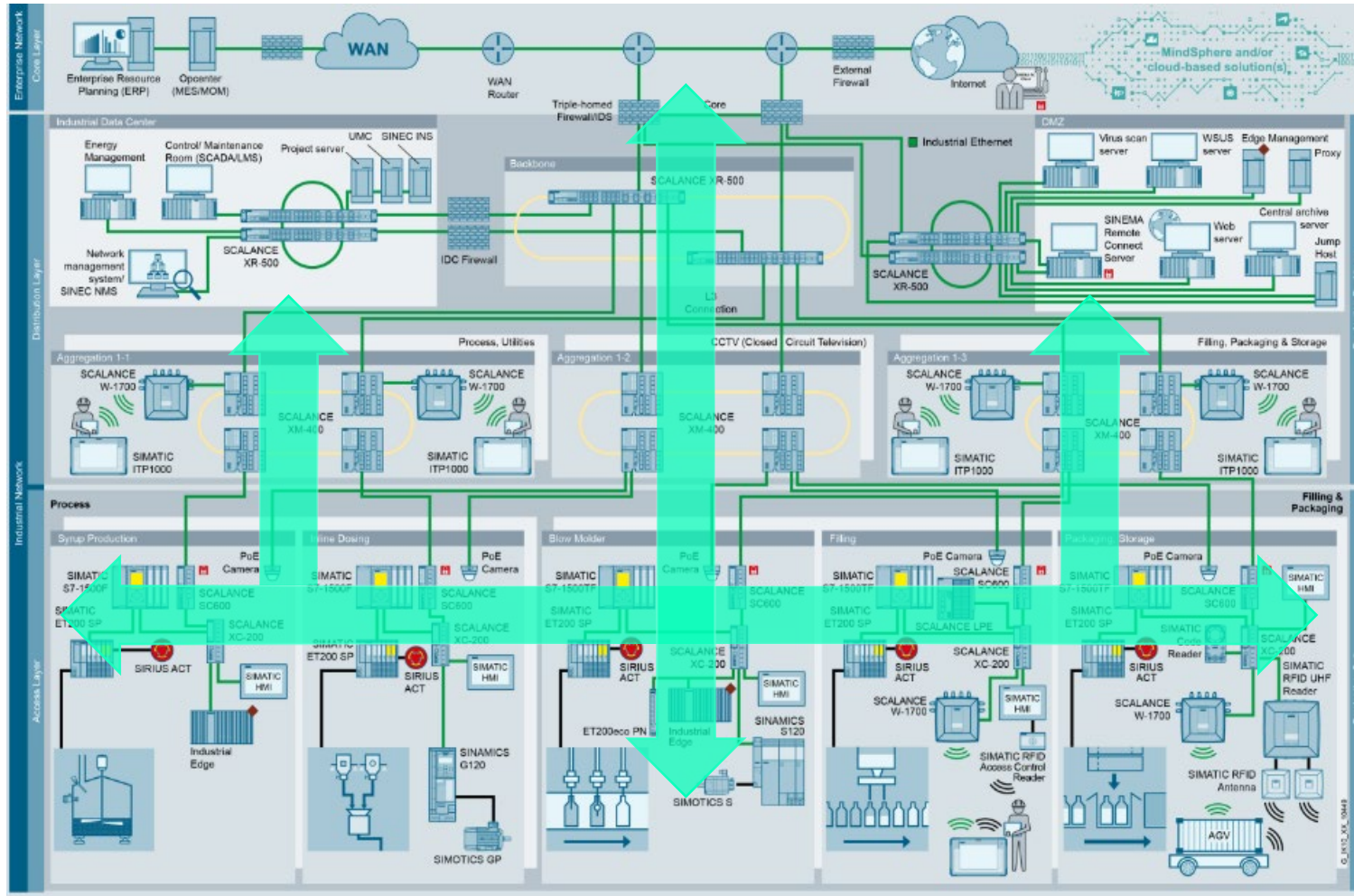- Network modernization @ Hofbräu, Munich Germany
- … and more

The magnifying glass identifies specific solutions within the examplatory soft drinks network architecture

Access the respective references and use cases via this symbol on the top right

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# Industrial Networks enable Connectivity From Operations to Office Levels
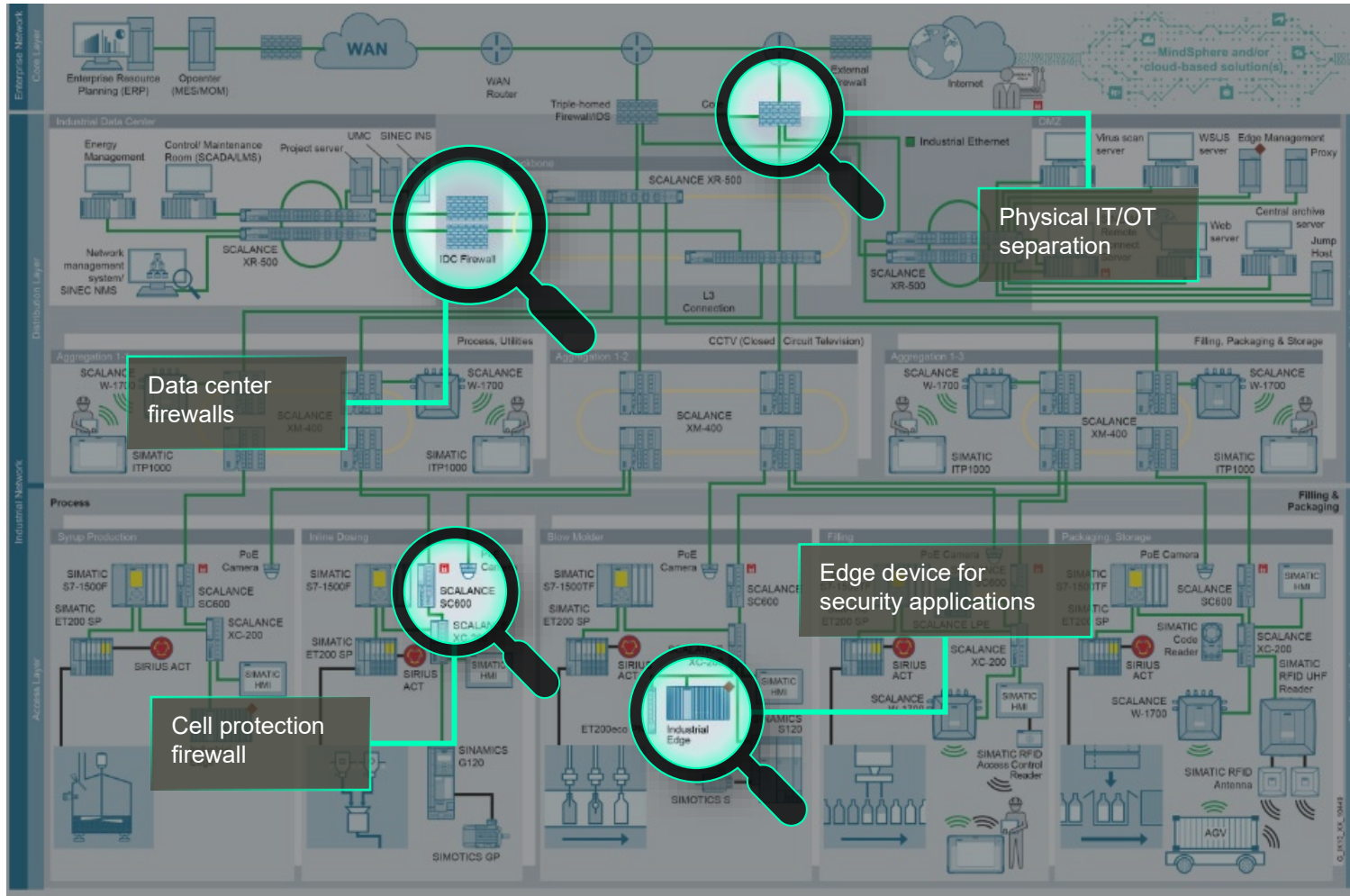
## Description

For your strategic decisions, you need a seamless information flow within your company – from the first manufacturing step through operation up to the corporate management level. In order to achieve this, you already rely on efficiency and transparency during engineering.

## Advantages

- Incorporates industrial requirements without compromising IT regulations or standards
- Standardized approach is proven, can easily be replicated and scaled
- Design is based on extensive experience and knowledge directly from the industry

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# Security Concept protects your Production Based on IEC 62443

Physical IT/OT separation

Data center firewalls

Edge device for security applications

Cell protection firewall

## Description

A secure network is a network that has security measures in place to help protect it from attackers. Taking the proper steps helps keeping a network secure. In order to implement security on any current industrial automation project, it is necessary to follow a holistic approach combining several solutions that support each other. Profit from the vast benefits of digitalization with the security necessary for industry.
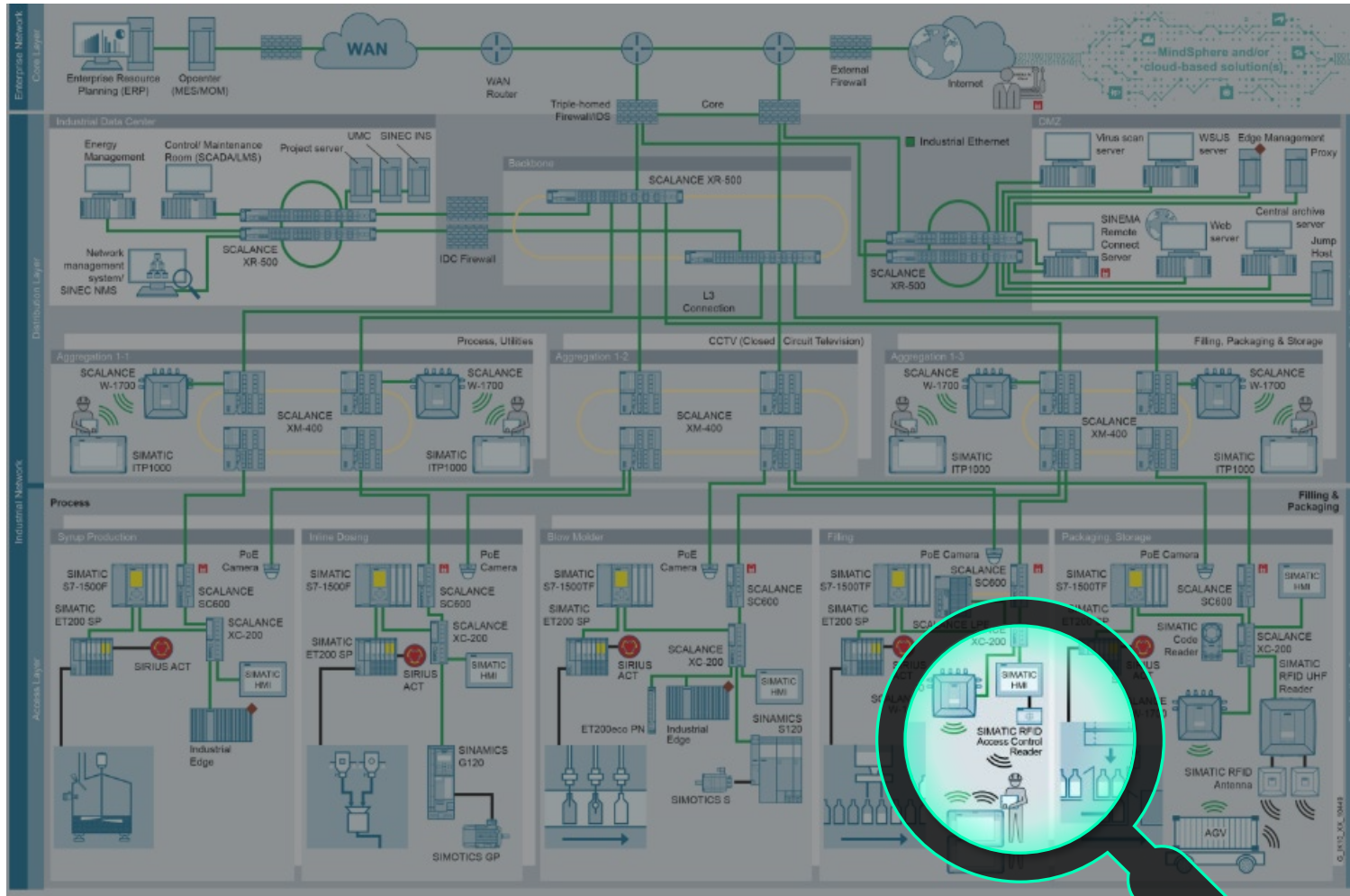
## Advantages

- IEC 62443 compliant
- Dedicated access
- Individual security concept

## Products / Service

- Industrial Security SCALANCE S600/SC600
- SIESTA
- Customer Support for individual concept

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# Security, Traceability and Efficiency Via ID Card and RFID

## Description

To make certain everything runs securely and smoothly, the machines are fitted with a centrally managed RFID access control system from Siemens. Track assets in real time and get production optimizing insights for logistics and plant simulations, paired with industrial applications and cloud solutions. Enable applications such as automatic weighing, ingredient verification, container sterilization, RTI verification and production logistics.
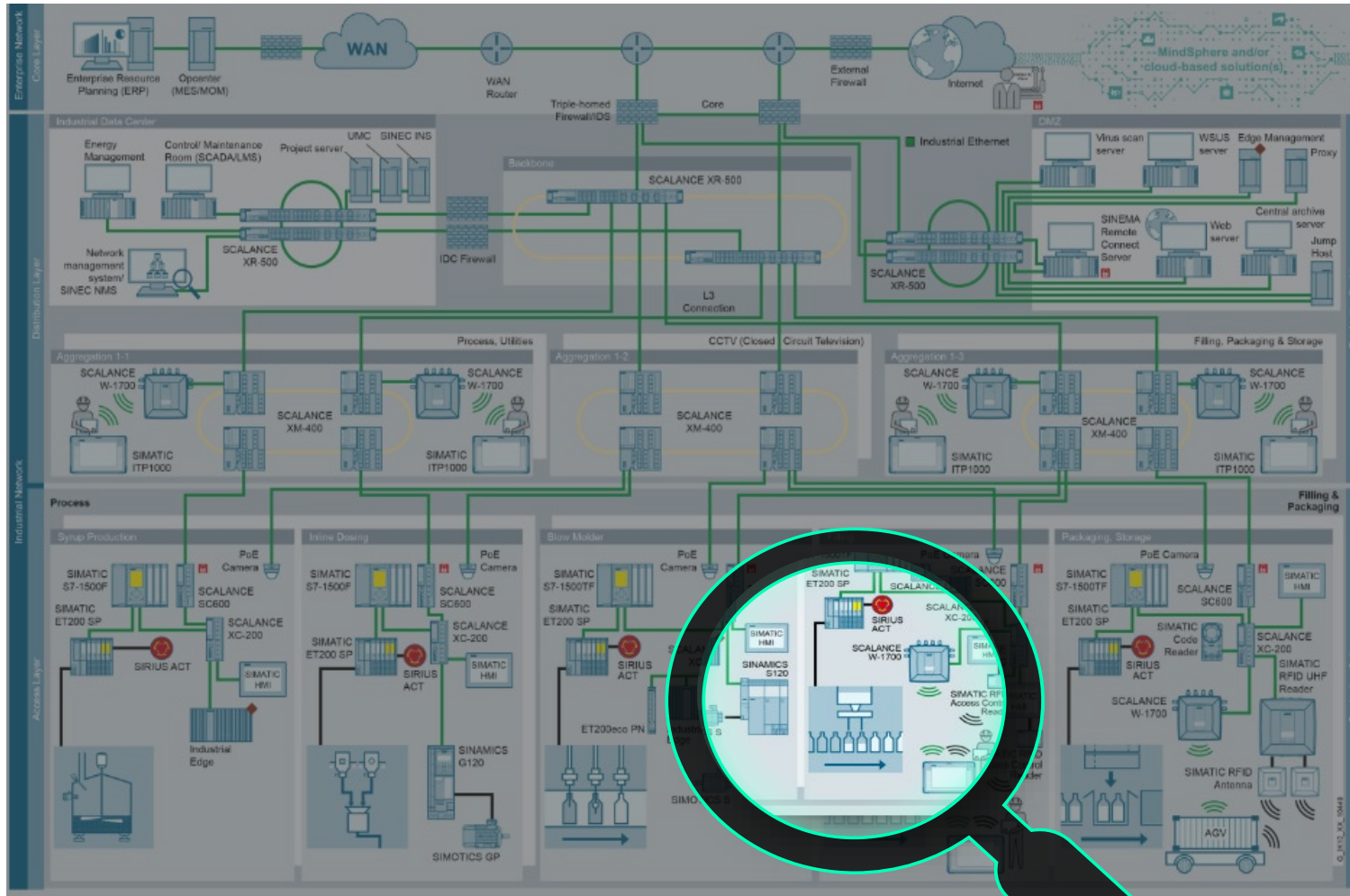
## Advantages

- Security and traceability: less incidents and interventions
- Reliable system and access rights: individual ID cards enable to quickly troubleshoot problems
- Ease of use: quick and safe login as the RFID reader is incorporated into the machines' Comfort Panel.

## Products

- SIMATIC RF 1000

**SIEMENS**

# Faster Bottling via redundant Network Case Study

## Description

A performant and available network is basis for speeding up bottling while a redundant network helps avoid downtimes. Together with professional services and extensive subject matter expertise, the process can rely on connectivity and profits from
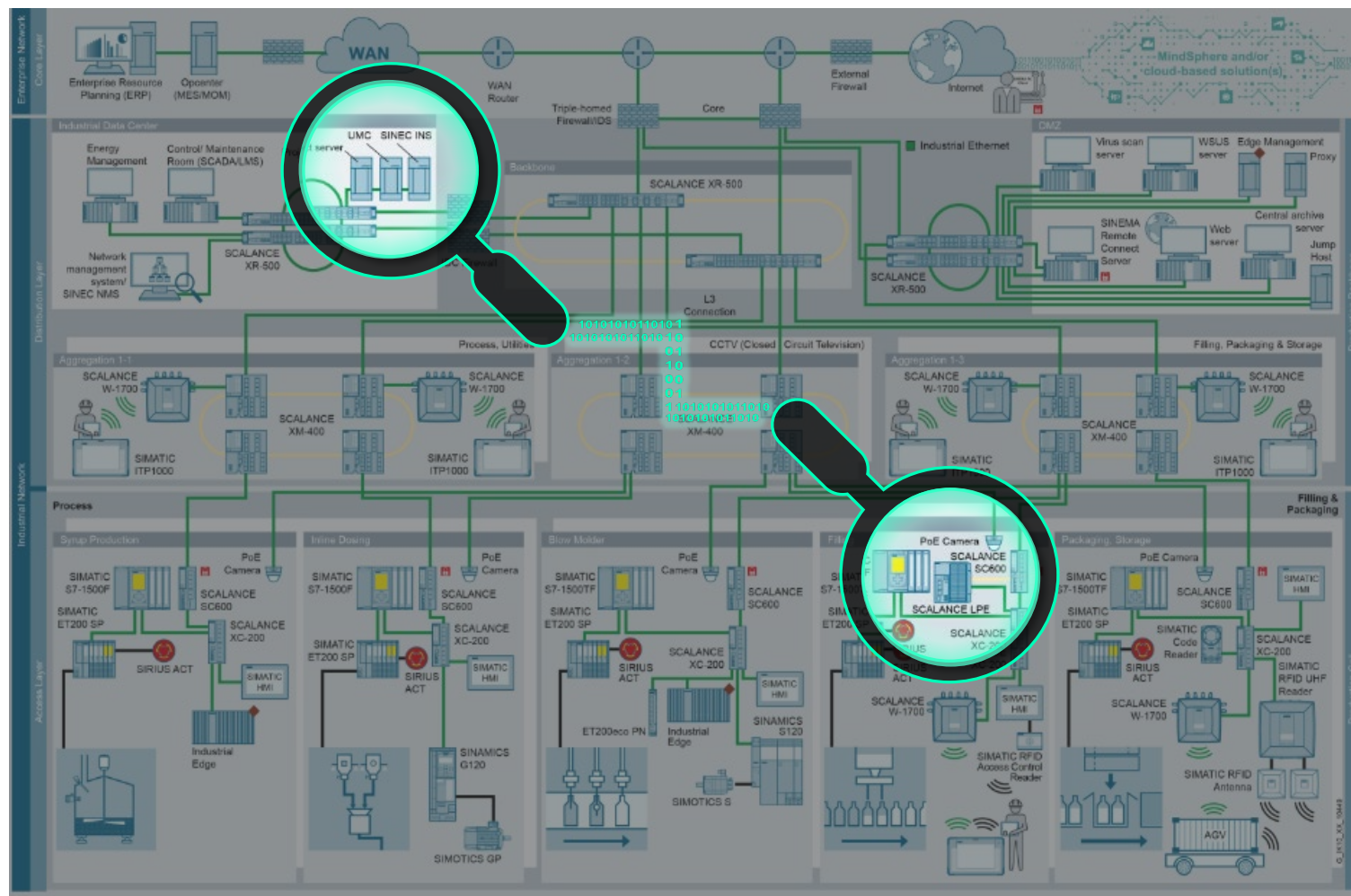
## Advantages

- Individual configuration and simulation
- Minimized risk of failure and malfunction due to pre-configuration and testing

## Products

- Industrial Ethernet Switches SCALANCE X-400
- Fiber Optic Cables
- Professional Services

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# Software Applications
# for Production Optimization



## Network Modernization
## @ Hofbräu, Germany

### Description

Integrated solutions communicate horizontally while information is securely transferred to the industrial data center for production optimization. This opens up potentials in cost reduction and production elevation.

### Advantages

- Data collection at the edge
- Secure data transmission to data centers
- Gain invaluable insights
- Stay ahead of what is happening
- Continuously optimize operations
- Lower CAPEX and OPEX

### Products

- SCALANCE LPE
- Siemens industrial/analytical software
- Plant Simulation

**SIEMENS**

# Contact

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