

A man in a dark shirt is shown from the side, looking out over a vast, mountainous landscape. The scene is overlaid with a futuristic digital interface. In the upper right, the Siemens logo and tagline are displayed. The landscape is filled with floating icons: a cloud with an upward arrow, a power plant, a factory, a shield, a gear, a wrench, and a monitor. Streams of binary code (0s and 1s) flow across the scene. In the foreground, a transparent digital screen shows a network management interface with various charts and data. The overall atmosphere is one of technological innovation and industrial connectivity.

SIEMENS

Ingenuity for life

Turning insights into outlooks

**SINEC NMS – the all-around
Network Management System**

[siemens.com/sinec-nms](https://www.siemens.com/sinec-nms)



Efficient network management. With a structured approach.

Digitalization is increasingly becoming a key success factor in all industries. But it requires that the networks being used provide comprehensive connectivity so they can successfully handle the huge data volumes. What's needed is a powerful, scalable network management system – like SINEC NMS.



For more information:
siemens.com/sinec-nms

Paving the way for the digital transformation

SINEC NMS, our new Network Management System, is set up to deal with more and more complex network structures in an increasingly digitalized world. It can be used to centrally monitor, manage, and configure networks with 50 to 12,500 participants – around the clock. The scalability of SINEC NMS means it can grow in parallel as the network becomes larger and more complex.

The NMS of the future. And beyond.

SINEC NMS provides support for the five pillars of state-of-the-art network management as defined in FCAPS, an ISO model, and expands it to include the demands of Operational Technology (OT).



Fault Management

- Easy and fast location of faults in plants
- Quick response if an error occurs thanks to an exact status overview
- Transparency thanks to network structuring
- Central evaluation of network capacity utilization for reliable diagnostics



Configuration Management

- Central configuration and maintenance of the entire network saves time
- Easy and centralized backup and management of device configurations
- Less time and effort needed to check and upgrade firmware versions



Accounting Management

- Complete overview of all network components provides a thorough oversight
- Reliable monitoring of network topology
- Improved security thanks to network reports and documentation of events



Performance Management

- Flexibility thanks to network optimization based on performance evaluations
- Transparency thanks to creation of statistics and data storage
- High level of availability thanks to constant network monitoring
- Early detection of changes in the network



Security Management

- Improved security thanks to defined user management
- Increased network security thanks to central network management
- Reliable fulfillment of process-based and technical security requirements according to IEC 62443

Refining network management

SINEC NMS goes further than FCAPS, and also offers two overarching elements focused especially on industrial requirements on networks and rounding out the functions of our NMS.



Northbound Interface

- Easy data handling thanks to direct access to network information for further processing in other systems and applications, e.g. OPC UA
- Data preprocessing
- Short response times thanks to advanced notification management



System Administration

- Decentralized approach with a comprehensive view of the network, regardless of its size and complexity
- Central commissioning and administration of distributed SINEC NMS Operations in SINEC NMS Control
- Efficient role and rights administration



First choice for complex network structures

SINEC NMS makes it easy to integrate new components into your network, and to monitor and configure existing components. Configuration is policy-based, so it can be applied generically to multiple components. For large-scale networks in particular, this means major time savings when it comes to configuration and troubleshooting.

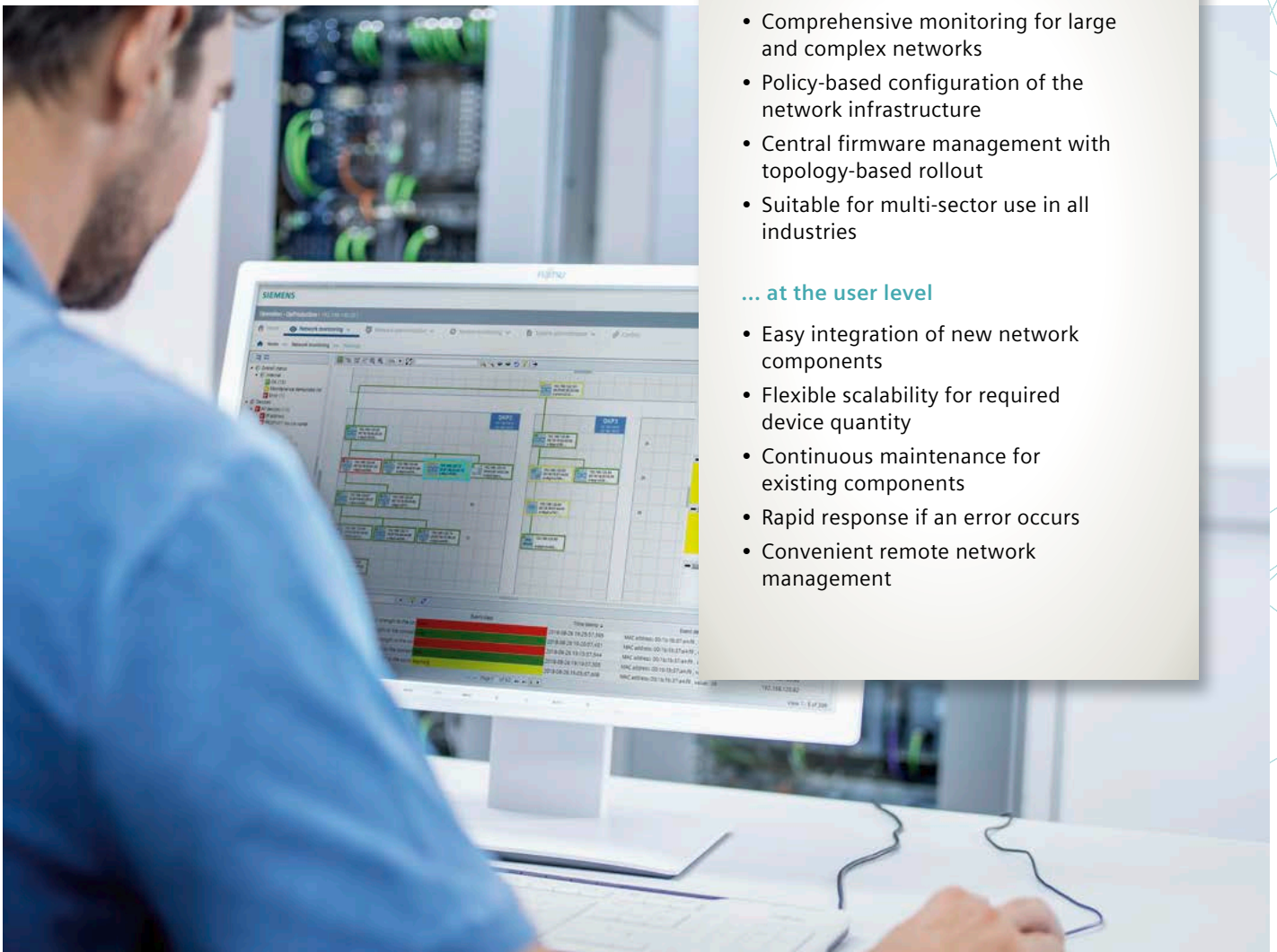
BENEFITS...

... at the enterprise level

- Comprehensive monitoring for large and complex networks
- Policy-based configuration of the network infrastructure
- Central firmware management with topology-based rollout
- Suitable for multi-sector use in all industries

... at the user level

- Easy integration of new network components
- Flexible scalability for required device quantity
- Continuous maintenance for existing components
- Rapid response if an error occurs
- Convenient remote network management



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In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept.

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