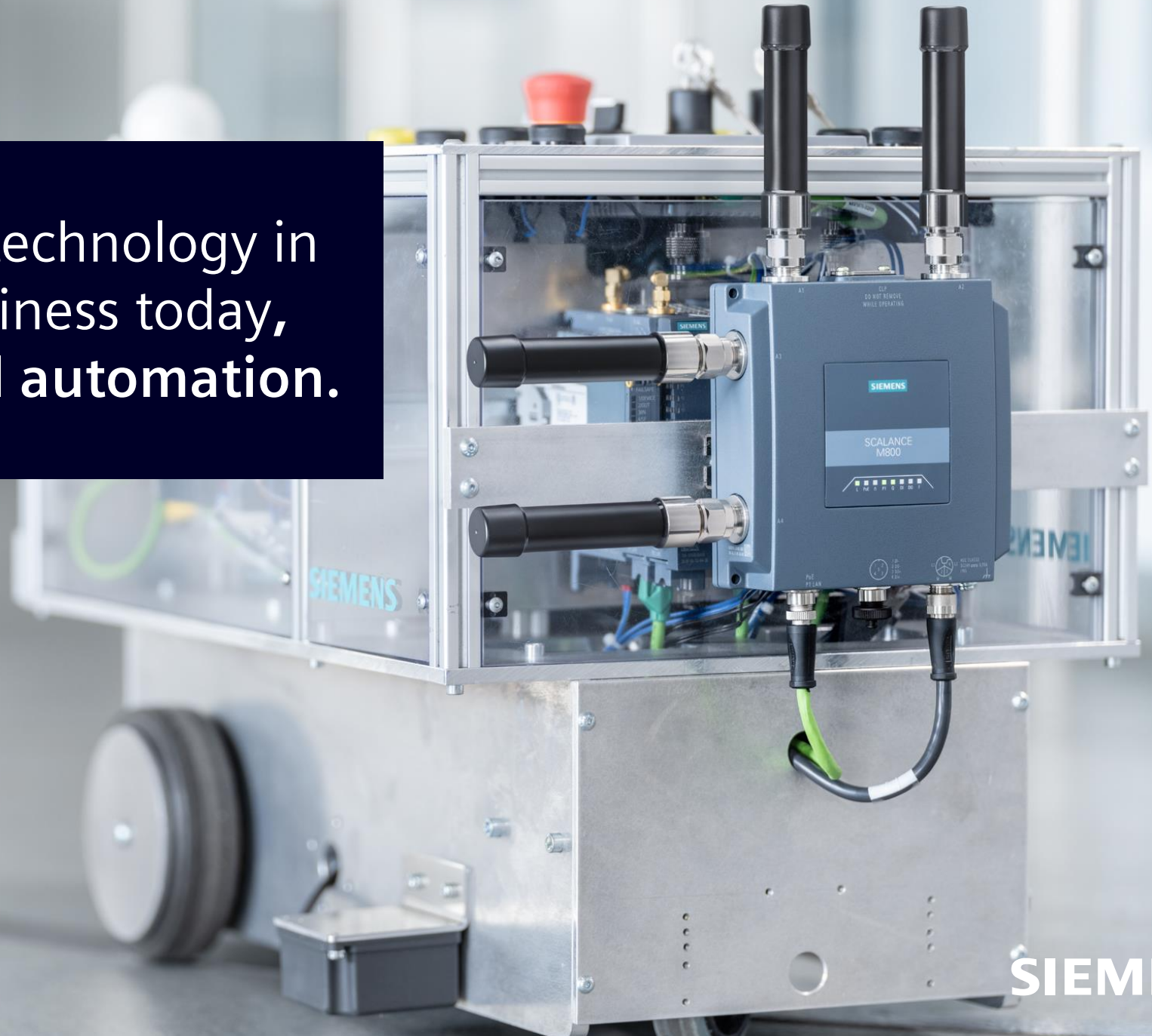





SCALANCE W: The Right Wi-Fi 6 Solution for Your Needs

SIEMENS

Mobility is a critical technology in practically every business today, including industrial automation.




SIEMENS

The background of the slide features a blurred image of a laptop and several tablets stacked on a wooden desk. The text is overlaid on a dark blue rectangular area in the upper left.

Mobile devices enable manufacturers to **boost production volumes and improve product quality.**

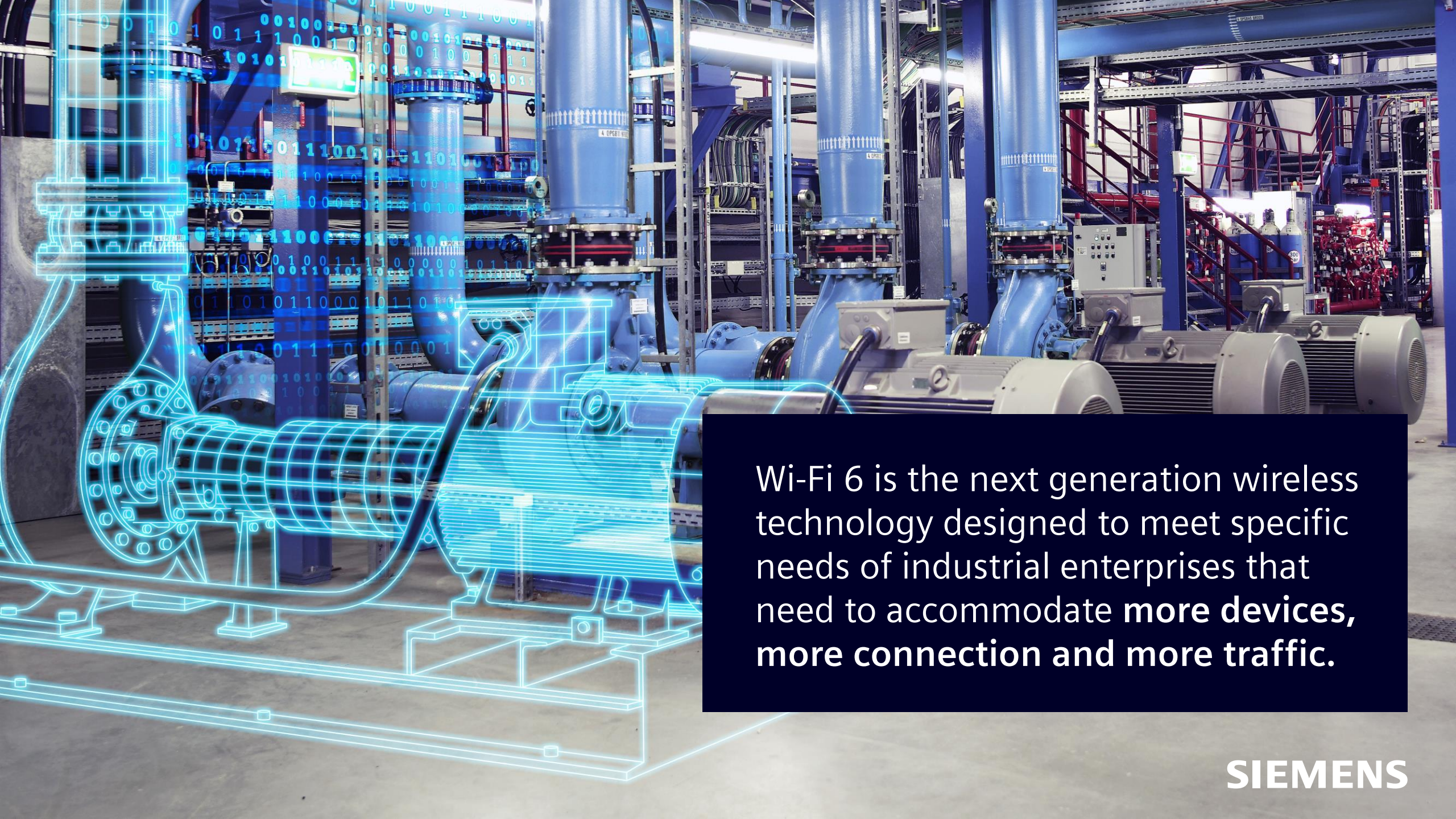
At the same time, warehouse operators can make sure customers receive **the right items in the right order on time.**



A robust Wi-Fi network sits at the heart of the most effective industrial mobility solutions.

These networks are ever-evolving – the latest iteration being the introduction of Wi-Fi 6.

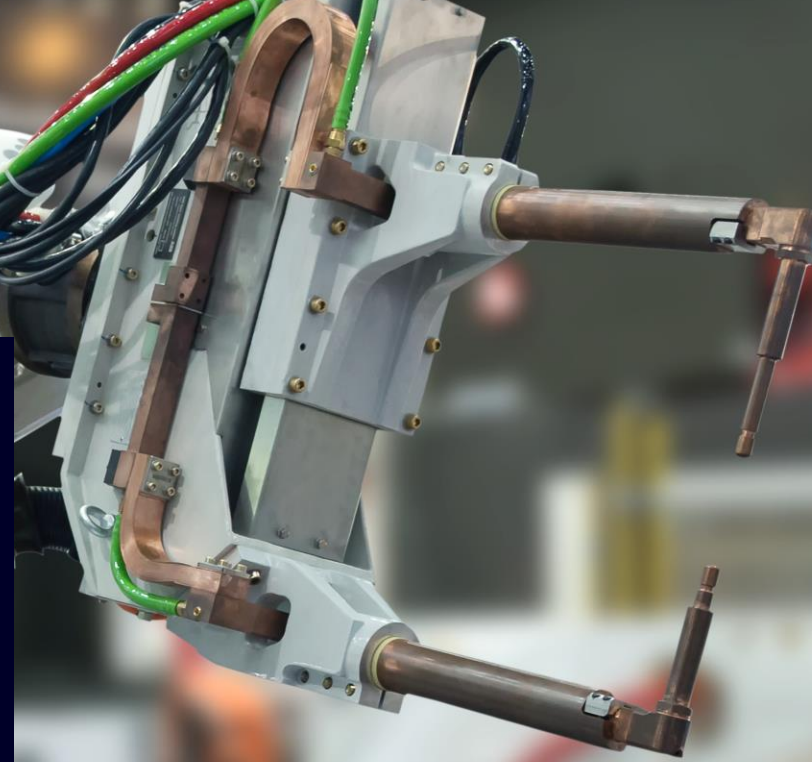
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Wi-Fi 6 is the next generation wireless technology designed to meet specific needs of industrial enterprises that need to accommodate **more devices, more connection and more traffic.**

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Also known as IEEE 802.11ax, **Wi-Fi 6** addresses industrial business needs for greater speed and improved **security** while accommodating more devices on communications networks



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A close-up, profile view of two construction workers. The worker in the foreground is wearing a white hard hat and clear safety glasses, smiling and looking towards the right. The worker in the background is also wearing a hard hat (yellow and red) and safety glasses, and is also smiling. The background is slightly blurred.


Compared to previous Wi-Fi versions , **Wi-Fi 6** provides increased bandwidth and expanded capacity while helping to reduce signal latency considerably.

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The Siemens Wi-Fi product, which is part of the SCALANCE W family of products, integrates seamlessly into the existing Siemens infrastructure.



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Siemens Wi-Fi 6 products **provide high data rates of up to 1201 Mbps** with 2x2:2 MU-MIMO for environments with many subscribers.

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With SCALANCE W, you'll enjoy
versatile application possibilities with
a manageable Ethernet Gigabit port.




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With Power-over-Ethernet,
only one cable is needed for
data and power supply.
**This results in savings on
required system cabling.**

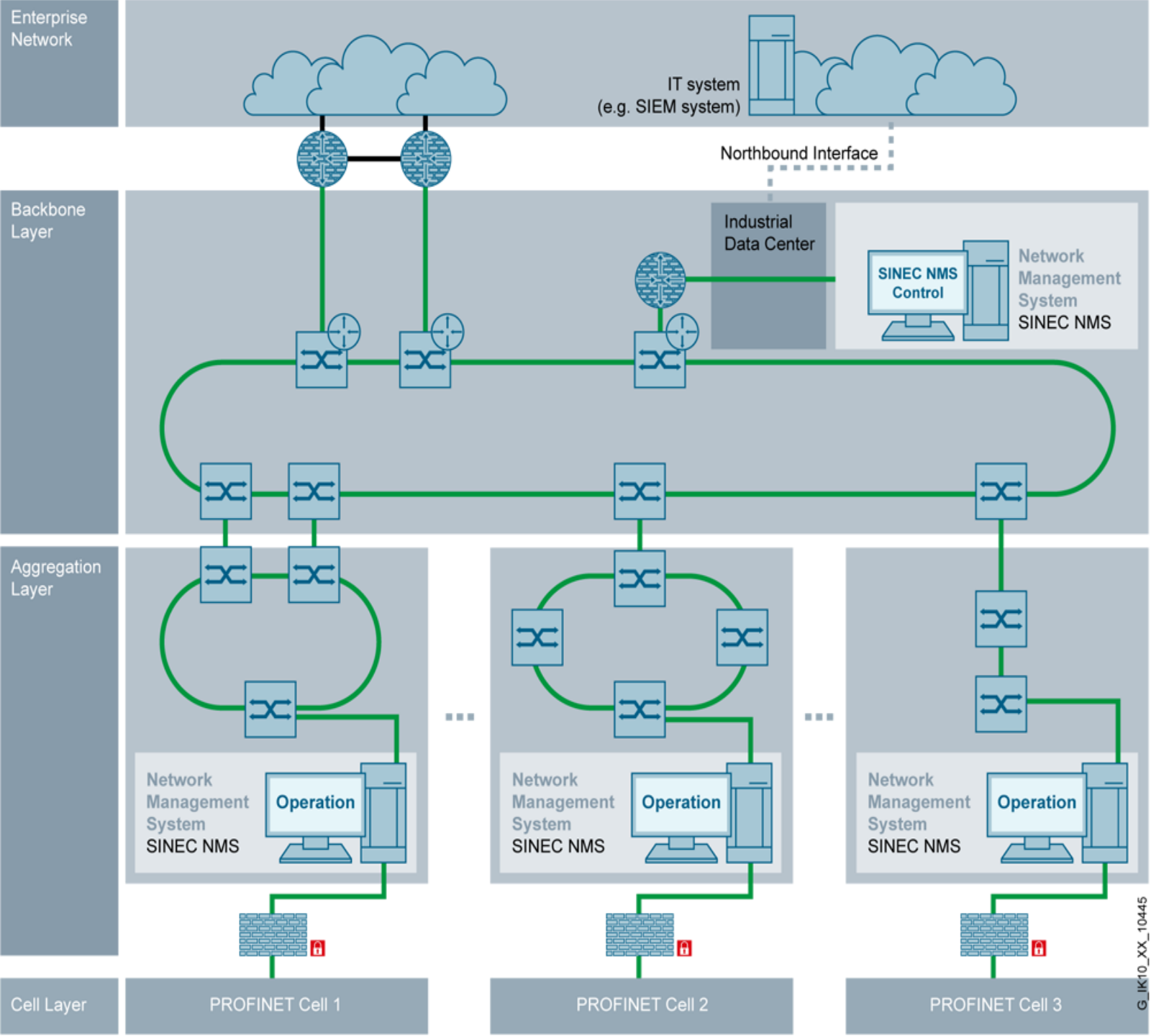


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A photograph of two men in an industrial setting. The man on the left, wearing glasses and a light blue shirt, is seen from the side, writing on a clipboard. The man on the right, wearing a white polo shirt with a small 'SIEMENS' logo, is looking at him. They are standing in front of a blue metal railing. The background is a large, busy factory floor with various equipment, boxes, and overhead lighting. A yellow vertical beam with a 'G10' label is visible on the right.

Siemens SCALANCE W
is tested using **Highly
Accelerated Life
Testing** (HALT) to
ensure performance in
multiple industrial
operating conditions.


SIEMENS



SCALANACE W features a central network management for WLAN infrastructures via the SINEC Network Management System.

Digital input/output and Sleep Mode allow optimal energy management of mobile industrial devices like automated guided vehicles (AGVs) and autonomous mobile robots (AMRs).





SCALANCE W features
device-dependent approvals
for extended environmental
conditions such as hazardous
areas and railroad applications.



SIEMENS


Identical form factor with
SCALANCE MUM makes it easy
to switch between 5G and
Wi-Fi 6 technologies,
depending on their availability

A photograph of two men in a construction setting. The man on the left is wearing a white hard hat, a grey long-sleeved shirt, and an orange safety vest with reflective stripes. He is smiling and looking towards the right. The man on the right is also wearing a white hard hat and an orange safety vest over a dark suit jacket. They are both looking down at a laptop screen which is partially visible in the foreground. The background shows a blurred construction site with yellow scaffolding and concrete structures.

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SCALANCE W features space-saving compact design and multiple mounting options making it **flexible and versatile** to fit a wide range of industrial layouts.

A man with short brown hair, wearing a dark blue polo shirt and a bright yellow high-visibility safety vest, stands in a modern industrial factory. He is smiling slightly and looking towards the camera. His arms are crossed. The background is filled with complex industrial machinery, including conveyor belts and structural frames, with a soft blue color grade applied to the scene.

Interoperability with the TIA
portal and SIMATIC systems
have been proven and tested,
which makes SCALANCE W
versatile and seamless.

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With SCALANCE W, Siemens enables customers to operate in a wide range of industrial applications.

- Intralogistics, retrofitting and AGVs/AMRs in industrial settings
- Public transport, railroad systems, amusement park rides and ski lifts.
- Harsh environments like those experienced in oil and gas, mining and tunneling, and container terminals

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Schedule a free consultation by sending an email to **siemensci.us@siemens.com**.