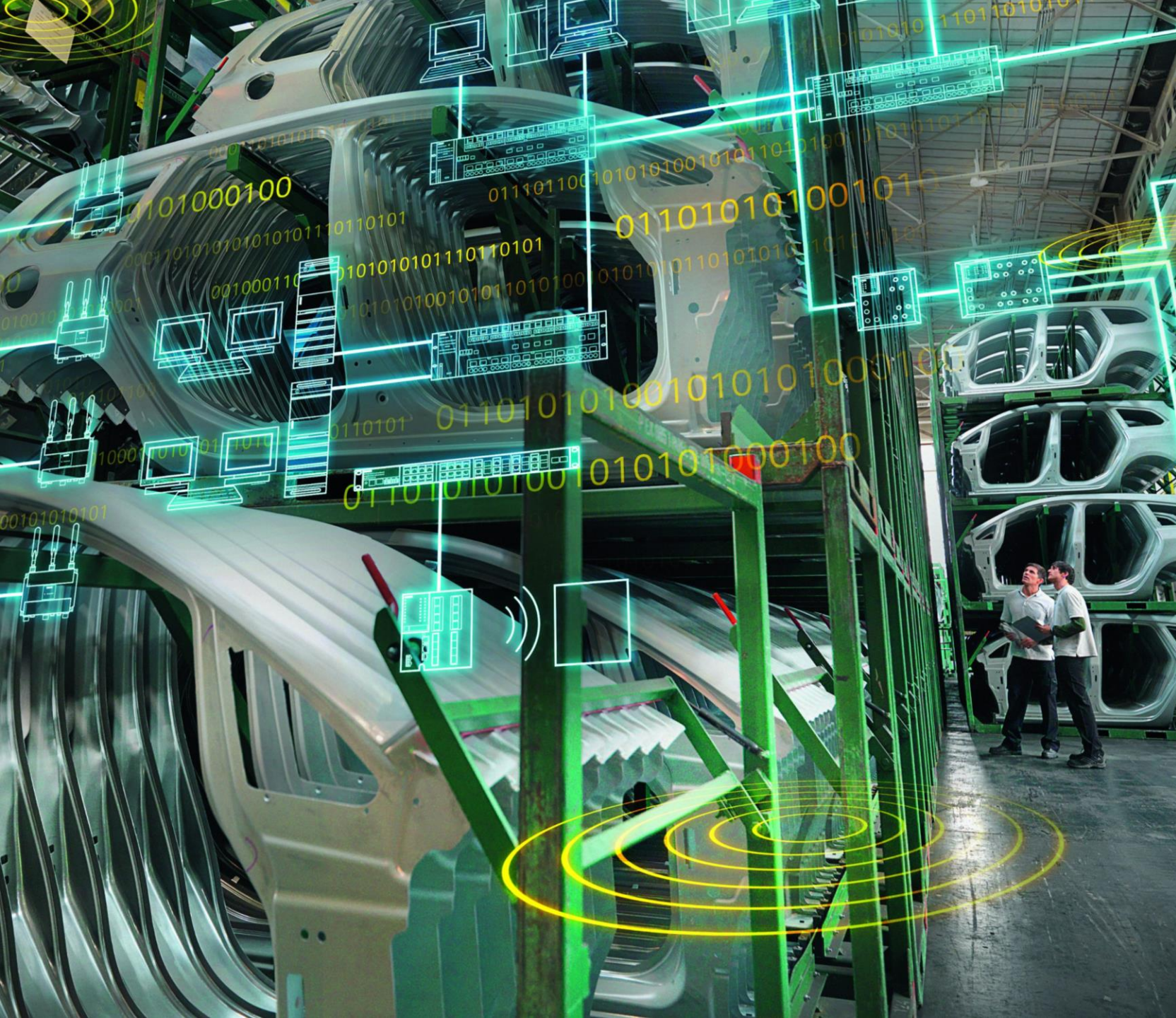




Industrial Network Health Checks

The Proactive Way to Optimize Your Industrial
Network Performance



The digitization of industrial control systems (ICS) has enabled significant advancements in process quality, control and productivity.



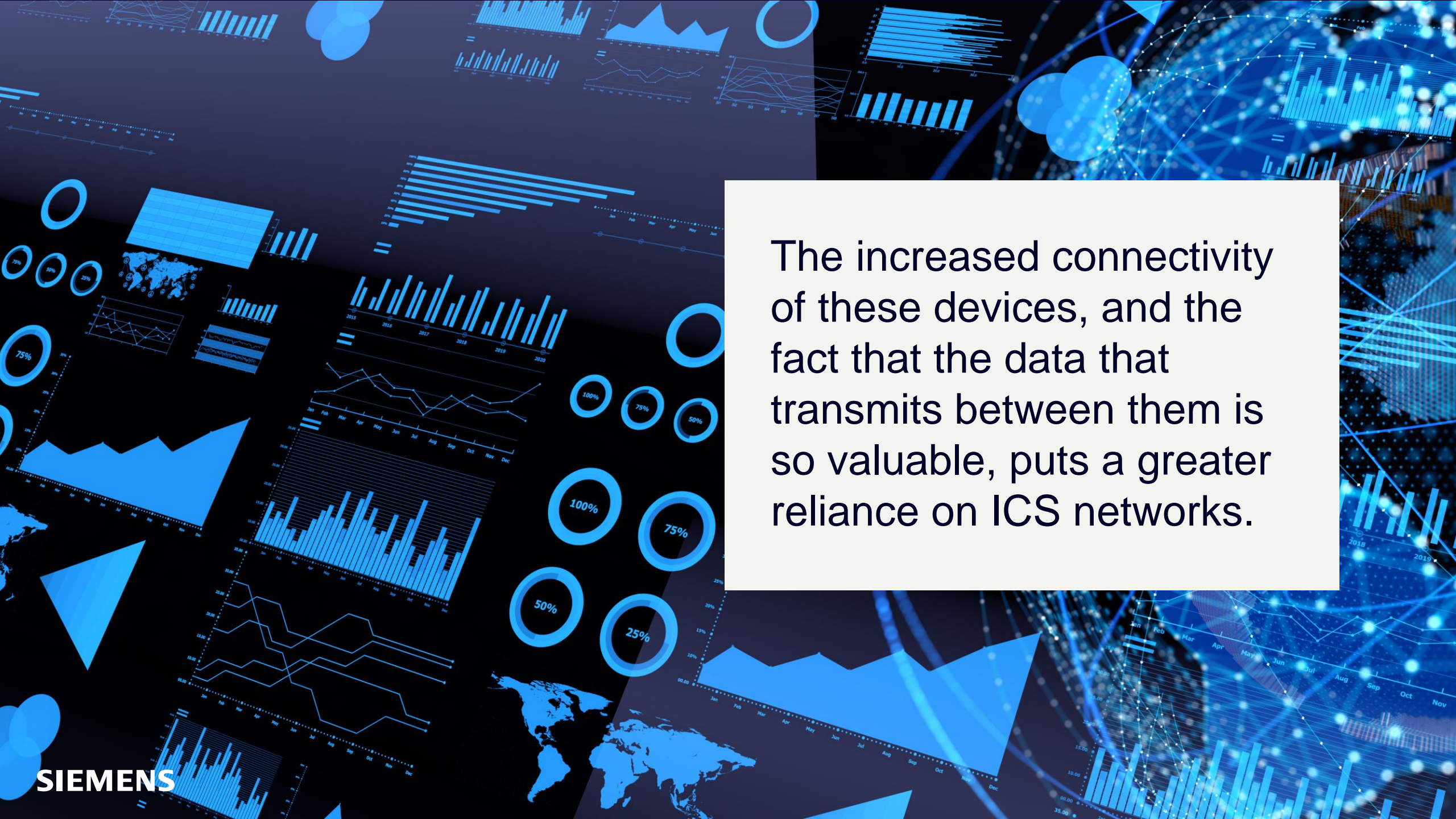
The increased accessibility and availability of data in connected devices create an opportunity to build smarter systems and make better operational decisions.



Industrial control systems incorporate more communication capability in devices today than ever before.

These include controllers, computers, sensors, cameras, location systems, drives, actuators, and more; all connected to your operational network.

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The increased connectivity of these devices, and the fact that the data that transmits between them is so valuable, puts a greater reliance on ICS networks.

In today's industrial interconnected world, it is essential to have a strong industrial network to form the backbone of your operation and **ensure that data arrives on time.... every time.**



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A Siemens Industrial Network Health Check can ensure that your network:

- is equipped to optimize data transport,
- supports critical operational functions,
- reduces operational downtime, and
- is ready for future enhancements.

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Industrial Network Health Checks are performed by Siemens certified network experts.

Certified in both IT and OT, our network engineers typically have more than 10 years of experience examining, recommending, and implementing best practices in an array of industrial network applications.

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The primary goal of an Industrial Network Health Check is to **identify specific ways to improve network performance.**


It starts with an on-site visit in which our engineers evaluate the current state of your network and create a network asset and device inventory.

In some cases, where network documentation might not be updated, this could mean physically visiting sections of the network to identify and log the assets.





Once we have a clear view of the network, Siemens engineers identify potential performance issues to devise a consultative roadmap to improve your network.

A group of professionals in a meeting. In the foreground, a man with a beard and glasses, wearing a white shirt, is pointing towards the right. Behind him, another man with a beard and dark shirt is looking in the same direction with his hands clasped. The background is slightly blurred, showing other people in a bright, modern office setting.

Our benchmark testing process identifies potential network issues such as:

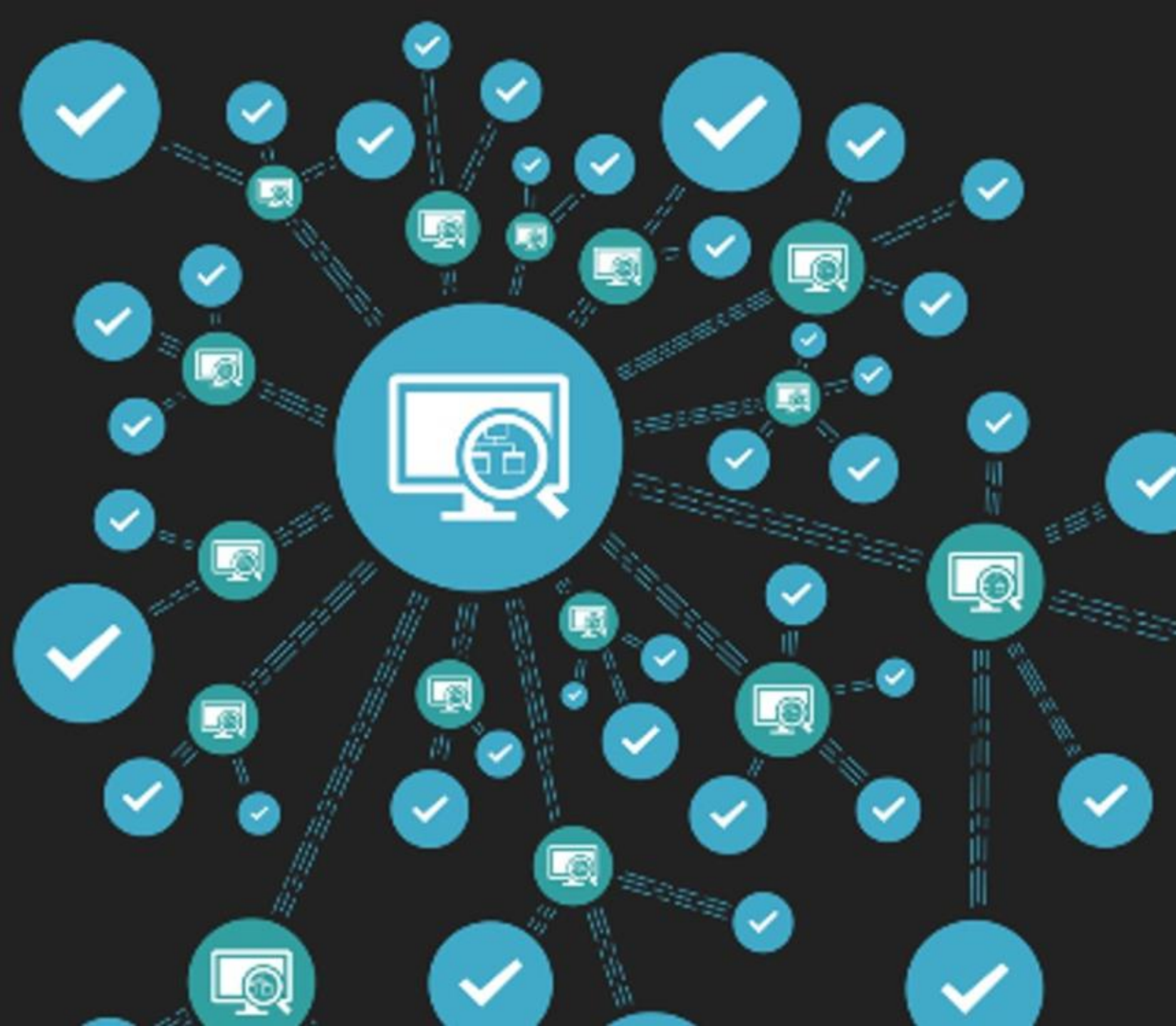
- Segments of high or unusual network traffic
- Problematic network architecture
- device configuration

Once benchmark testing is complete, we provide a detailed report with recommendations to help you achieve a reliable network that is prepared for future challenges.

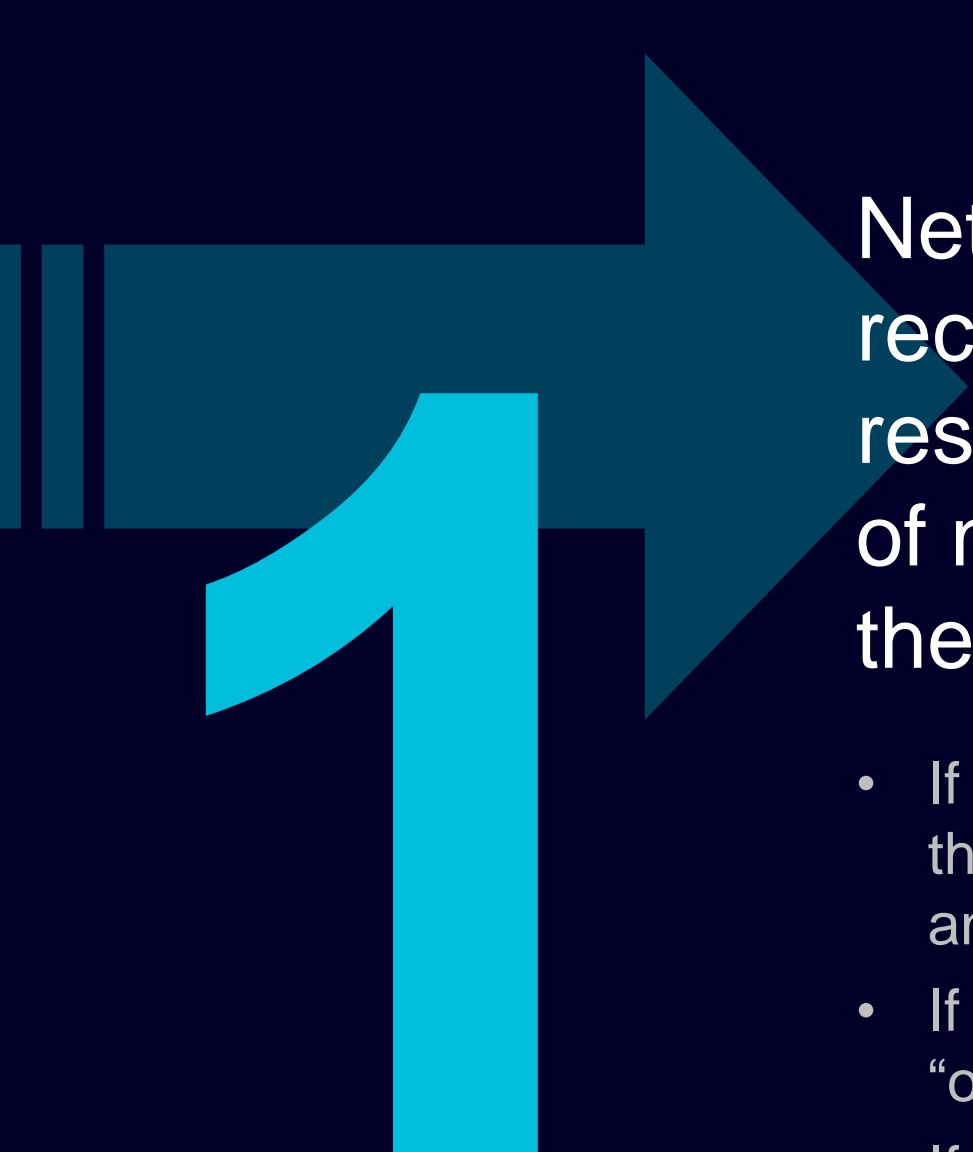
These recommendations could include redundancy mechanisms, component upgrades, or suggested component configurations for optimal performance and overall security.

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**Industrial
Network
Health
Checks are
important for
so many
reasons.**



Network Health Checks are part of recommended routine monitoring, resulting in the anticipation and resolution of network problems and threats before they materialize.

- If your organization does not have the capacity to perform these tests on an annual basis, our experts can become an extension of your team.
- If your team lacks the expertise, this service can provide “over-the-shoulder” training.
- If you do health checks regularly, but simply want an outside expert to validate or enhance your own analysis, our team is here to help.



2

A Network Health Check provides an updated “blueprint” of your network assets and configurations.

If regular updates to network documentation are not done in your organization, this is a perfect way to establish and maintain this essential resource.

A large, bold, cyan-colored number '3' is positioned on the left side of the slide. It is partially overlaid by a dark teal arrow pointing to the right, which originates from the left edge of the slide and points towards the text.

Our Final Report provides valuable information which can be rolled into your organization's improvement plan.

Overall, Siemens Industrial Network Health Checks deliver network transparency and optimization, which helps pave the way for ICS reliability and resiliency.

It is the best “first-step” for any organization looking to get the most out of their network.

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Note: We also offer Cybersecurity Assessments, for companies looking to conduct additional vulnerability analysis and receive recommendations for improved network security.

This is not included in our standard Network Health Check.

If you want to learn more about any of our Industrial Network Professional Services, or schedule a free consultation, contact us at siemensci.us@siemens.com



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usa.siemens.com/industrial-networks-services