Network Design Services

Designing Next Generation Communication Networks with growth and security in mind.

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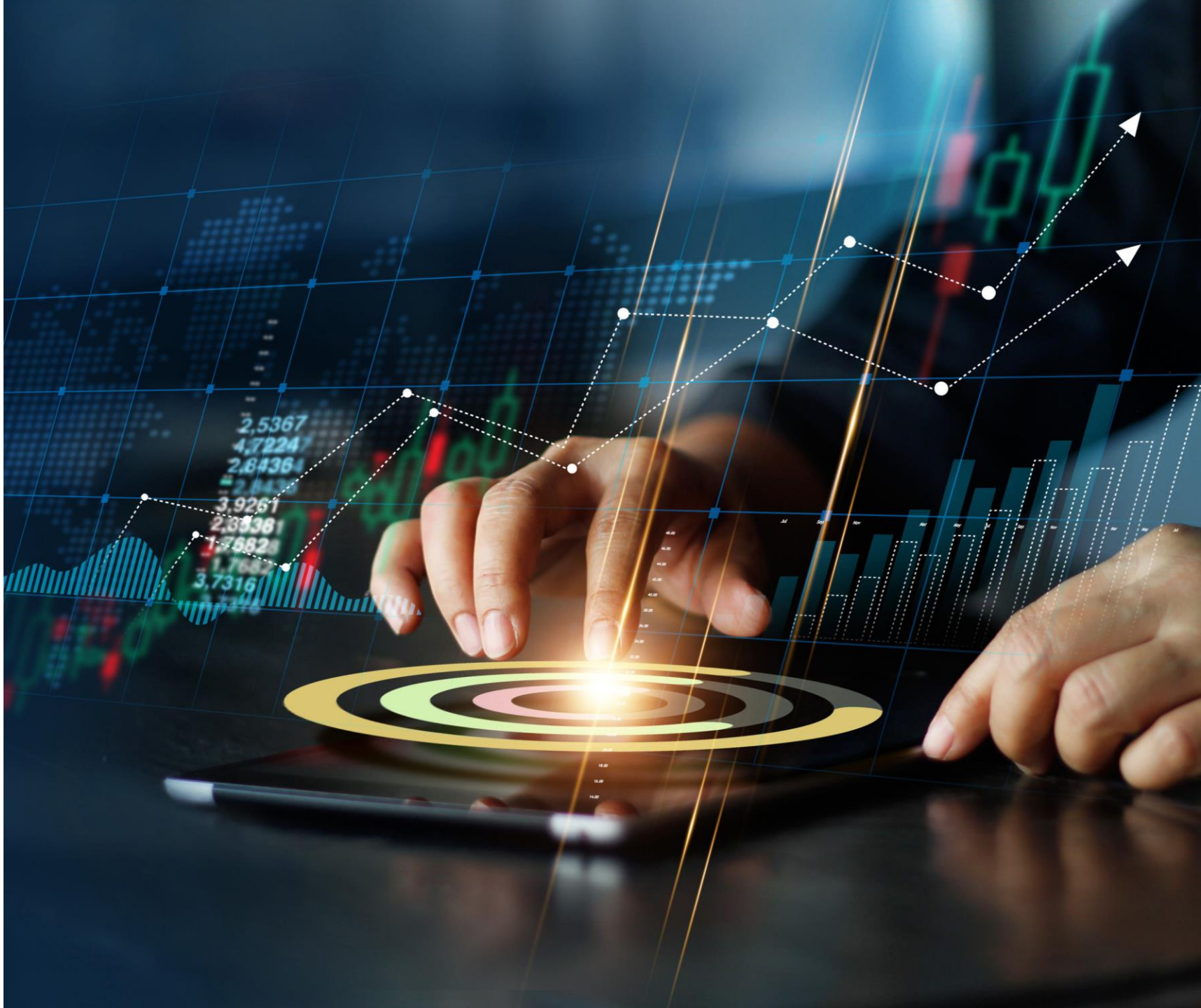
Effective and reliable communication networks are critical to industrial organizations seeking to maintain their competitive edge in today's dynamic world.



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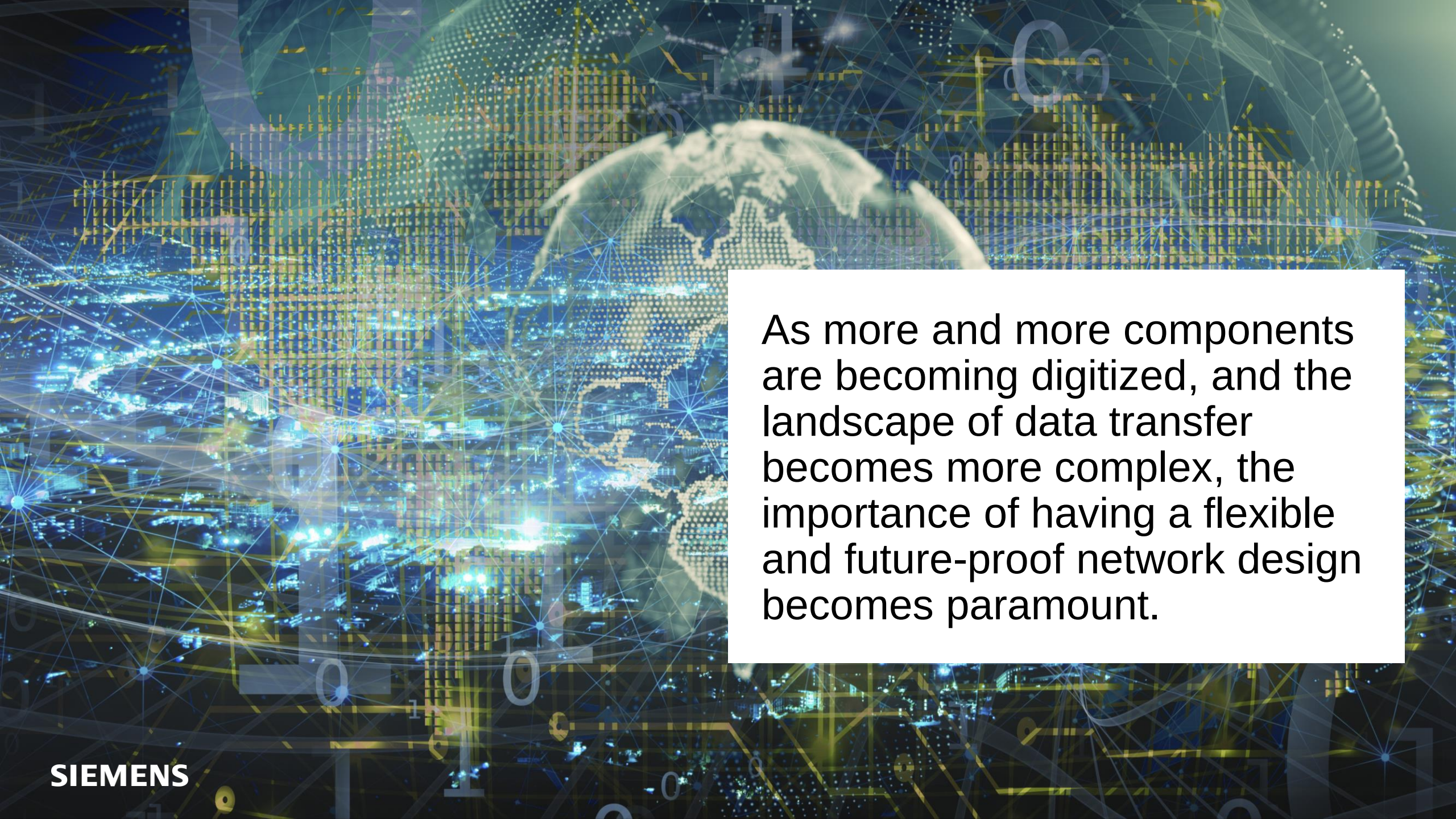

As more and more components are becoming digitized, and the landscape of data transfer becomes more complex, the importance of having a flexible and future-proof network design becomes paramount.

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At Siemens, we recognize that companies may need added support when evaluating and designing their networks.

Whether it is a greenfield project, a network expansion, or maybe you are looking to incorporate new technologies or redundancies - our Industrial Network Professional Services team is here to help.

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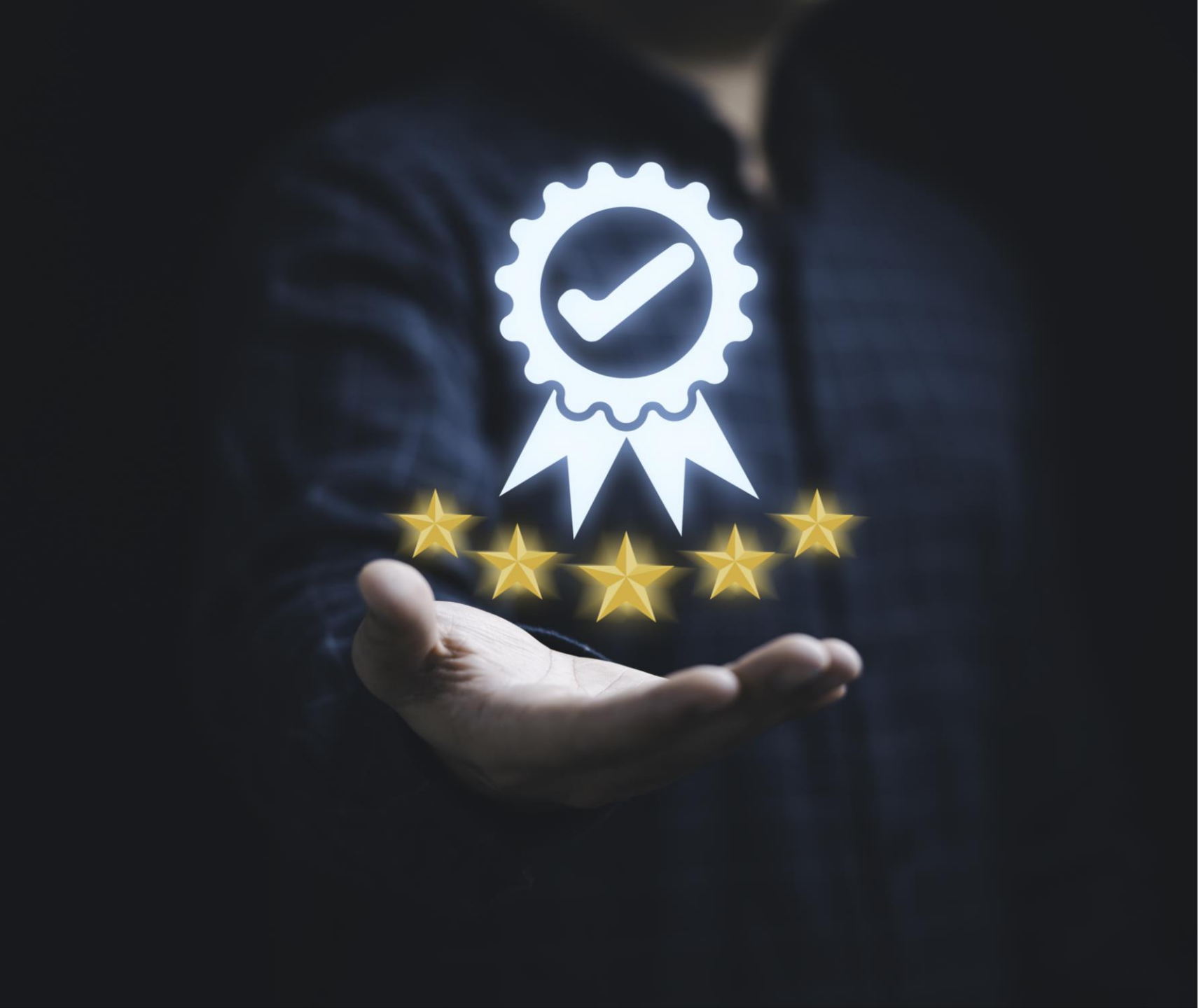

Our network consultants are experienced in industrial and mission-critical applications, passionate about network technology, and certified in both IT and OT.

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We provide the expertise needed to design next generation communication networks.

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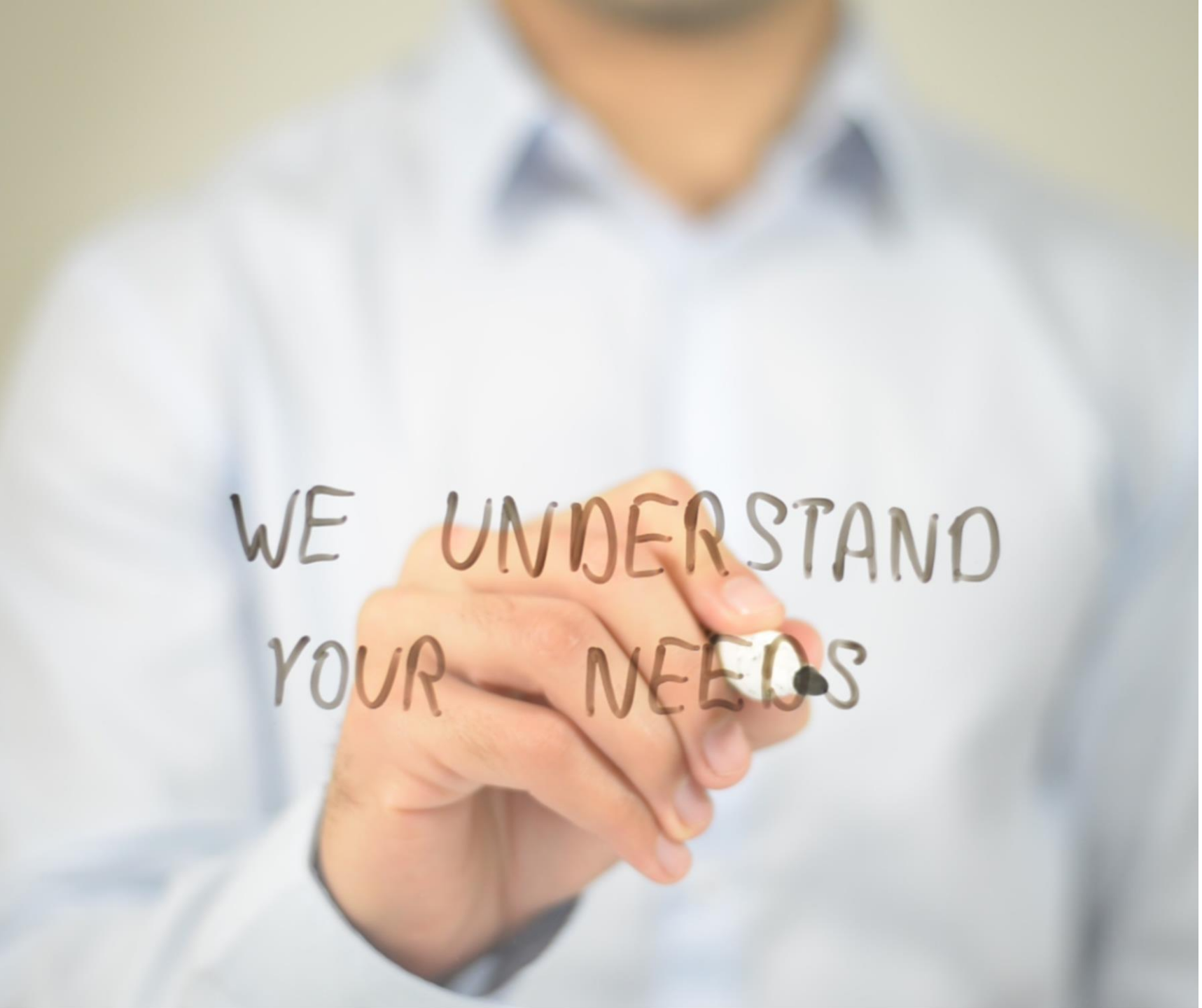

One of first key steps of any Network Design project is understanding our client's requirements for their network, so we can assess whether their network is set-up to meet those requirements and identify opportunities for improvement in the design.

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Foundational questions we like to ask are:

- What's the current state of the network and what technologies are being used?
- Are there any technologies you're moving away from?
- What are your current pain points?
- What are the System Expectations? (Engineering-level KPIs)
- What are the Business Expectations? (C-Level KPIs and ROI Factors)

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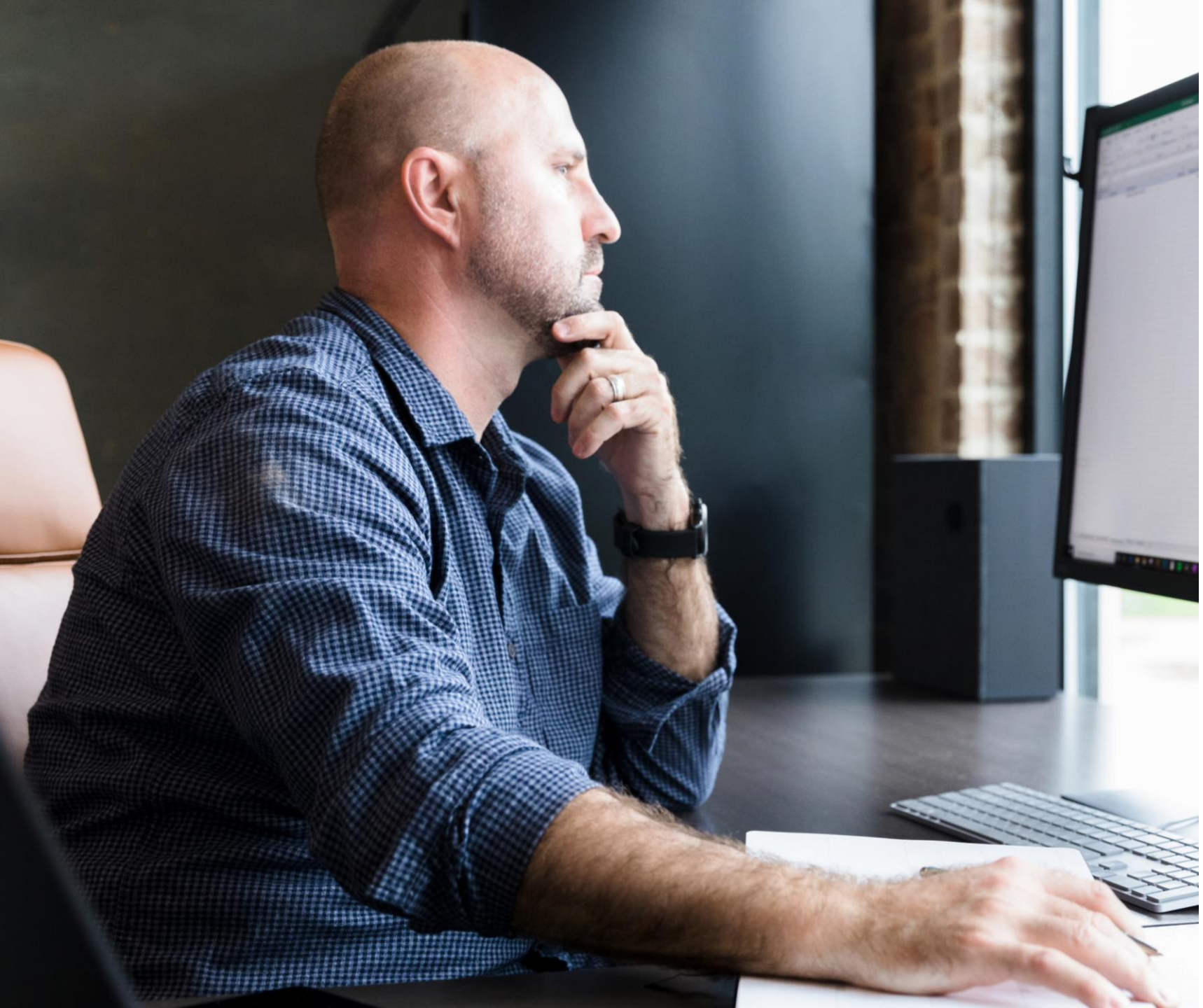
Defining appropriate network parameters is crucial in effective industrial network design. Done right, it encompasses an assessment of:

- ✓ The existing network architecture from a physical and logical standpoint
- ✓ Physical and logical (VLANs) network segmentation
- ✓ Identifying Single Points of Failure
- ✓ Layer 2 Redundancy mechanisms for mission-critical network segments (i.e., MRP, HRP, Spanning Tree)
- ✓ IP subnetting
- ✓ Routing protocols (e.g., static, OSPF, etc.)
- ✓ Network management and monitoring

Firewall rule sets and cybersecurity components are also reviewed as part of a thorough Siemens network design services scope.



Deliverables typically include:

- Comprehensive report
- Network diagrams
- Key observations
- Bill of Material (BOM) recommendations

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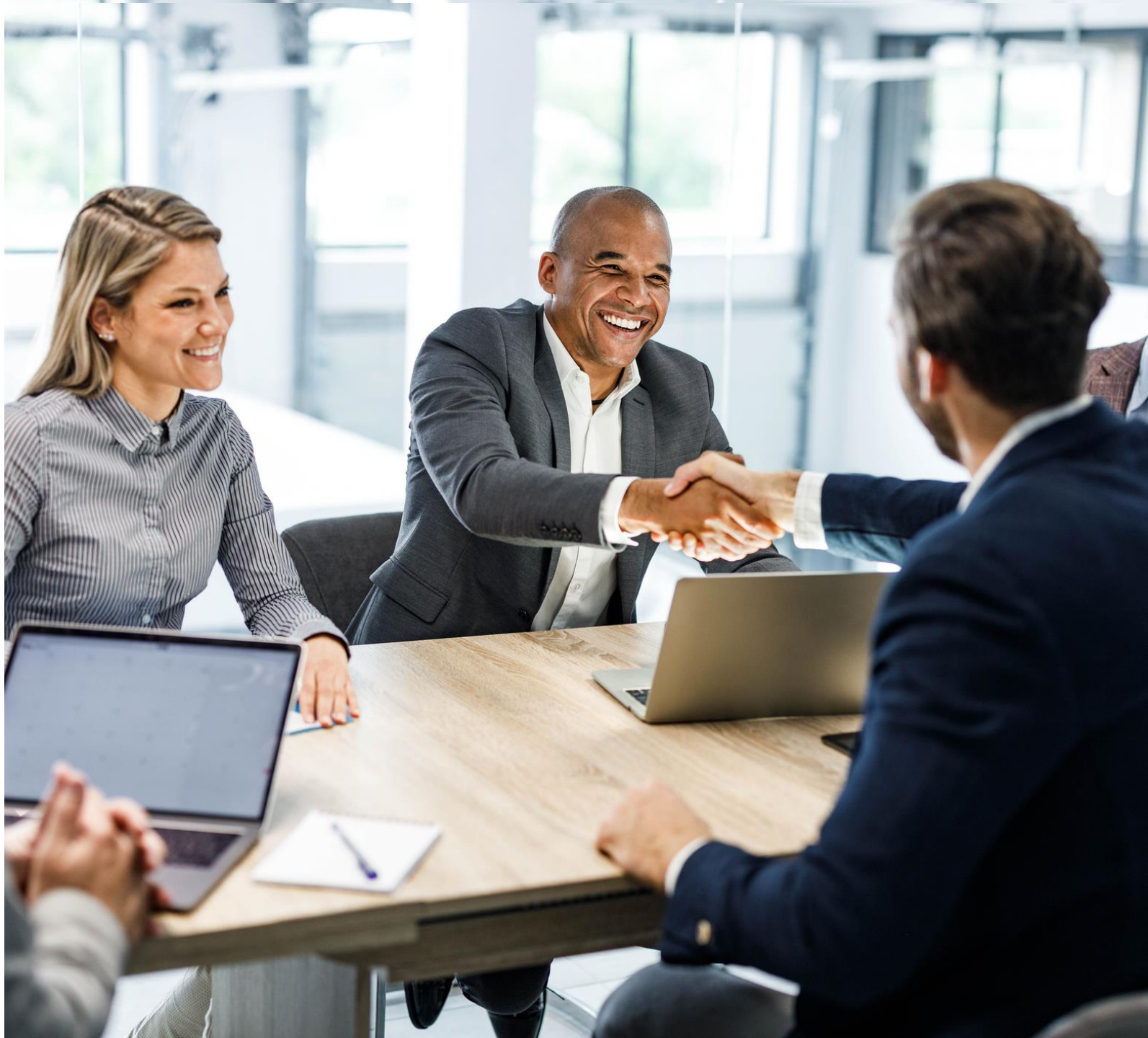
With Siemens Network Design Services, our customers walk away with greater peace of mind that all aspects were considered in the design of their network; meaning **an inherent confidence in the functionality of their future implementation**.



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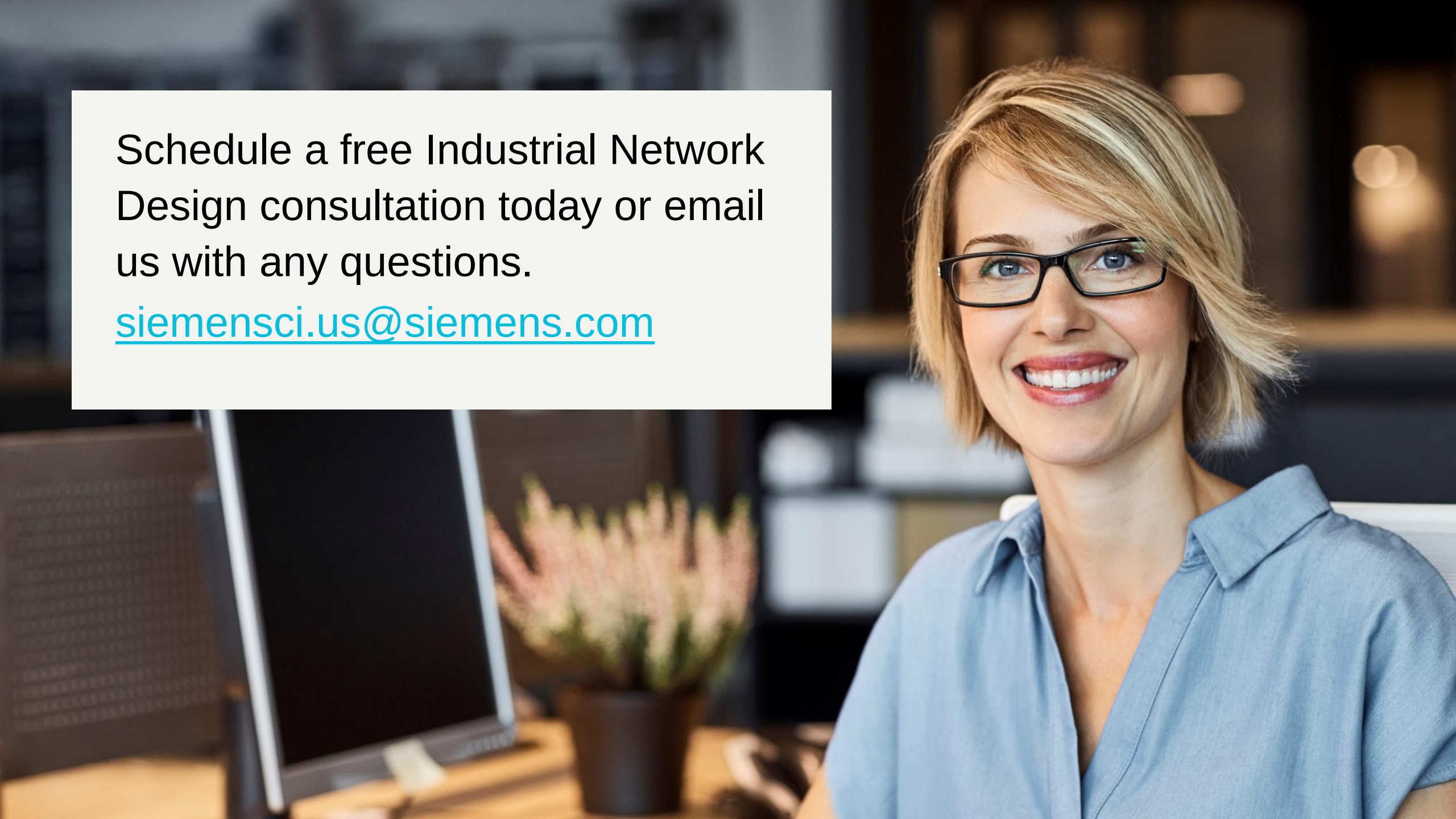

Schedule a free Industrial Network Design consultation today or email us with any questions.

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