How to Create an Effective Wireless Strategy for Industrial IoT in the Age of Wi-Fi 6 and 5G

Read this whitepaper if you're looking to:

- Gain an understanding of the latest wireless technologies—Wi-Fi 6 and private 4G and 5G (expounding on the Demystifying 5G in Industrial IoT white paper)
- Build a roadmap to navigate the different phases associated with wireless adoption, including shared license andunlicensed spectrums, standards and regulations, architectures and equipment, and operational considerations
- Establish IIoT use cases and requirements spanning manufacturing, mining, oil and gas, and utilities
- Build new business models that integrate the new wireless technologies, with consideration of TCO, local expertise, and security
- Understand the future of 5G and possible 5G evolution paths for private IIoT infrastructure

With the arrival of Wi-Fi 6 and the launch of 5G pilot projects tied to the ongoing 5G worldwide spectrum policies (including BNetzA in Germany, Consultation PTS in Sweden, and CBRS in the United States), leading decision makers, systems integrators, and industry partners are asking, What impact will Wi-Fi 6 and 5G have on the Industrial Internetof Things (IIoT)?

To help navigate these new waters, this whitepaper providesa guide for creating an effective wireless strategy for IIoT in the age of Wi-Fi 6 and private 4G and 5G. It covers the latest trends in wireless, and explores the different phases associated with adoption—including the licensed, shared license, and unlicensed spectrums, standards and regulations, architectures and equipment, and operational requirements. It also describes business models that may be employed when deciding to integrate new wireless options, providing a roadmap to help leaders navigate the different phases associated with adoption.

So what impact will Wi-Fi 6 and 5G have on IIoT? The answer is not one-size-fits-all. IIoT will require multiple technologies to meet the fluid demands of varied industries with complex infrastructures. Real-world IIoT deployments are expected to have multiple solutions within enterprises that support the various use cases, key performance indicators (KPIs), service-level agreements (SLAs), and reliability requirements as well as economic needs and future transformation.

Cisco is dedicated to providing best-in-class multi-access technologies in industrial IoT solutions, including Wi-Fi 6 and private 4G and 5G solutions. Working closely with organizations around the globe, Cisco can deliver the most appropriate platforms support using the Cisco Validated Design guide for various deployment options—ranging from fully private to a service provider-managed environment.

This white paper serves as a blueprint for IIoT decision makers who are evaluating the impact of new wireless technologies in their fields. It recommends that, when choosing technologies, one should stay focused on supporting the business and operations while also considering the total cost of ownership.

Ready to read the full version? Get your copy here, then contact your local Cisco representative to take your enterprise to the next level in wireless solutions.

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