

FACT SHEET

Industrial Connectivity Lab

Test laboratory for industrial connectivity applications

In July 2023, Siemens opened a new test laboratory for industrial connectivity technologies at its Erlangen site.

Key facts at a glance:

- Allows Siemens customers to test use cases under real-world industrial conditions
- Customers save time and money before installation at their own sites
- Tests a variety of connectivity solutions: industrial Wi-Fi, industrial 5G, real-time localization systems (RTLS), and radio-frequency identification (RFID)

In an area covering more than 300 square meters, Siemens customers can test various scenarios for connectivity and localization solutions with a high level of accuracy. To test 5G applications, Siemens has installed a private 5G campus network. The lab is equipped with a complete private 5G infrastructure from Siemens. This 5G infrastructure provides an open ecosystem where customers can use the private infrastructure to test and certify their devices.

Industrial companies need to tailor their wireless technologies to their specific factory and plant environments. Traditionally, they have tested new wireless technologies in their production environment. This has always been challenging because such tests require a great deal of preparation and disrupt production processes. By testing under real-world conditions in the Industrial Connectivity Lab, customers save time and money prior to installation in their own production environments. In addition, the test lab paves the way for direct comparisons, such as performance measurements between industrial Wi-Fi and industrial 5G.

For more information about the Industrial Connectivity Lab, please visit:

<https://press.siemens.com/global/en/pressrelease/siemens-customers-test-wireless-technologies-new-industrial-laboratory>