

Smart Factory Wireless Communications |Siemens S7-1500 Multimedia Courseware

Smart Factory Wireless Communications - Siemens S7-1500 - WX33742-AA01XEN-E1

Objective 1: Describe the Function of a Wireless Network Communications System

Wireless Communication Limitations

Although wireless communication has benefits, industrial applications are limited by network speed and the environment.

Wireless data transfer is often slower than wired systems, sometimes transferring data at only 25% of its potential rate. Therefore, high-speed machines that require a less-than-a-millisecond response time should not be wirelessly controlled.

Wireless communication also should not be used in locations where strong radio interference is present. Welding systems, for example, create strong signals that can interrupt communication.

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Smart Factory Wireless Communications Learning System: M33742

This course covers topics like the function, components, and basic operation of wireless networks in a smart factory environment, as well as how to setup and test a wireless network and how to pass data between Siemens controllers.

Multimedia

Learn Industry-Applicable Wireless Communication Skills

With Amatrol's comprehensive curriculum, students cover a wide variety of Wireless Communication skills. For example, learners will study the function and basic operation of a wireless communication system; configure and test a wireless communications system; and program and operate a PLC program that use a wireless communications system. Both modules, which can be self-directed or instructor-led, feature multiple lesson objectives, hands-on skill practice, and assessments following each lesson.

Engaging, Highly-Interactive Multimedia

Amatrol's curriculum features a highly-interactive, multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and interactive quizzes and exercises designed to appeal to learners with different learning styles. The combination of theoretical knowledge and hands-on skills solidifies understanding and creates a strong basis for pursuing more advanced skills.

Additional Info

- **Additional Requirements**

- Computer: [See requirements](#)

Address

**Amatrol
2400 Centennial Blvd
Jeffersonville, IN 47130**

Contacts

**email: contact@amatrol.com
phone: (800) 264 8285**