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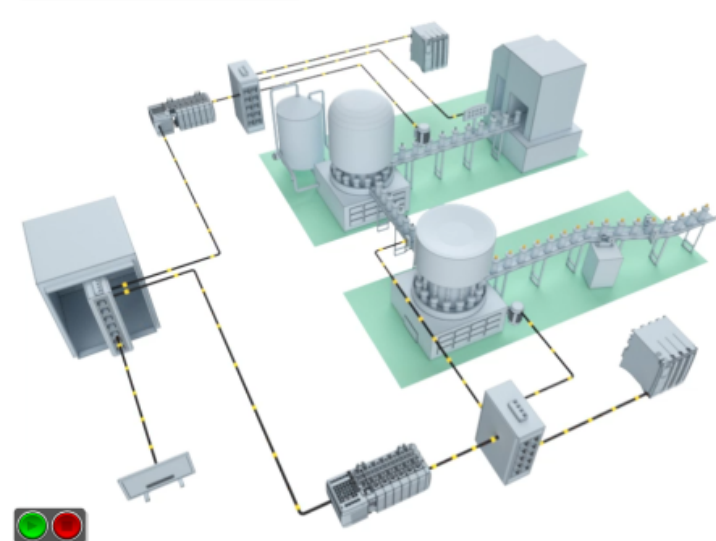
## Smart Factory Ethernet - AB CompactLogix L16 | Multimedia

Basic Industrial Ethernet Operation - WX33763-AA01UEN-E1

Objective 1: Describe the Function of an Industrial Ethernet Network

Networks for Industrial Automation

An industrial network is a system of sensors, robots, machines, and controllers connected together so they can communicate with each other. An industrial network allows a manufacturing process to be monitored and controlled automatically. Industrial networks reduce production costs, speed up assembly, and improve product quality.



The diagram illustrates an industrial Ethernet network. It shows a central network switch connected to several industrial components: a large storage tank, a robotic arm, a conveyor belt system, and a control cabinet. The network is represented by yellow and black lines connecting the switch to each component. A small control panel with a green and red light is also shown at the bottom left of the diagram.

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The Smart Factory network communications training systems feature real-world equipment learners will encounter on the job, including both managed and unmanaged network switches. The systems combine hands-on skills practice with in-depth multimedia curriculum for a well-rounded learning experience that will prepare learners to make an immediate impact in the technologically-advanced Smart Factory environments of the present and future.

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