



Features of Digitally Optimized Controllers

Manufacturers that don't choose truly modern controllers will not only miss out on competitive advantages today, but also will experience diminishing ROI as they upgrade production assets for digitalization.

To be sure your controller will allow your plant to modernize and become more efficient, your controller choice should offer these seven essential future-focused features:



1 Integrated No-Programming System Diagnostics

Easy-to-understand faults automatically displayed on the HMI, web server and controller

Why you need it

Efficient fault analysis and fast troubleshooting cuts commissioning times and minimizes production downtime.

Learn more about Siemens Integrated System Diagnostics.



2 High Performance

Short command processing times, symbolic programming, faster communication and optimized data access

Why you need it

More flexibility in handling, higher quality control and shorter time-to-market.

Find out how Siemens improves response times.



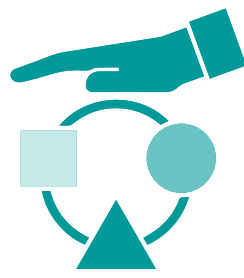
3 Single, Scalable Programming Environment

Scalable controller portfolio with uniform engineering and code reuse

Why you need it

Positions the plant for more profitable growth. Allows for maximum engineering, operation and maintenance efficiency.

Discover the full portfolio of Siemens controllers.



4 Integrated Safety

Single controller, communication and programming environment for standard and fail-safe controllers

Why you need it

Efficient, reliable protection of personnel, machines and the environment; lower initial and long-term operating costs; reduced system complexity and downtime.

Learn more about Siemens Safety Integrated.



5 Integrated Security

Prevents illegal copying and manipulation; additional password security for access, even at the controller level

Why you need it

Safeguards intellectual property investment.

Learn how to improve availability with Siemens Integrated Security.



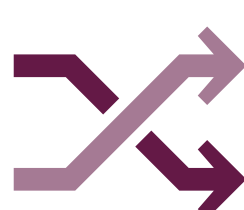
6 Integrated Trace

Graphical representation of process diagnosis within the controller

Why you need it

Program and application diagnostics in real-time enables recognizing even sporadic problems.

Watch to learn more about Siemens trace functionality.



7 Enhanced Compatibility

Built-in communication options and connections to share data via EtherNet/IP without code modifications to current installed controllers

Why you need it

Ability to share critical data to current installed controllers without gateways or third-party devices to keep your plant running as you move to more advanced controllers.

Don't assume all new controllers are digitally optimized. Be sure to identify a controller that allows you to benefit from the competitive advantages of digitalization, and move your plant closer to optimal efficiency.

Learn more about modernizing to digitally optimized controllers at usa.siemens.com/modernize.