Efficient automation starts with efficient engineering

Totally Integrated Automation: Efficiency driving productivity.

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Totally Integrated Automation: Efficient interoperability of all automation components

Answers for industry.
Efficiency and productivity are decisive success factors for manufacturing industries. Engineering plays a central role in this especially as it relates to ever more complex machinery and plants. For that reason, a high level of efficiency is already demanded at the engineering stage, as the first step toward better production: faster, more flexible, and more intelligent. Siemens has an intelligent answer to this: Totally Integrated Automation.

Making things right with Totally Integrated Automation

Totally Integrated Automation, industrial automation from Siemens, is the name given to efficient interoperability of all automation components. The open system architecture covers the entire production process and is based on the consistent presence of shared characteristics: consistent data management, global standards, and uniform hardware and software interfaces.

Consistent use of shared characteristics

Totally Integrated Automation allows for the holistic optimization of the production process:

- **Time and cost savings** due to efficient engineering
- **Minimized downtime** due to integrated diagnostic functions
- **Higher flexibility in production** due to integrated communication
- **Plant and network security** due to integrated security functions
- **Protection of personnel, machinery, and the environment** with seamlessly integrated safety technology
- **Improved quality** due to data consistency
- **Simplified implementation of automation solutions** due to global standards
- **Better performance** due to interoperability of system-tested components
**Framework for all automation tasks, engineering**

With the Integrated Engineering TIA Portal:

- **Value added for manufacturing industries**
  - Productivity.
  - Efficiency over the long term.
  - Ultimately improving overall competitiveness.

- **Efficiency driving productivity.**
  - Less time, lower costs, everything can be done with greater competence.

- **Safety Integrated**
- **Industrial Security**
- **Industrial Communication**
- **Industrial Data Management**
- **Higher productivity of engineering projects.**

- **Less time, lower costs, everything can be done with greater competence.**

- **Totally Integrated Automation creates real value added in manufacturing industries.**
  - Totally Integrated Automation plays a key role in this.

- **Siemens is continuously driving progress in**
  - With its comprehensive technology and industry-specific know-how, Siemens is continuously driving progress in automation.

- **All components are mutually compatible and system-tested.**
  - This ensures that they reliably perform their tasks in industrial use and interact efficiently, and their tasks in industrial use and interact efficiently, and their tasks in industrial use and interact efficiently, and their tasks in industrial use and interact efficiently.

- **A uniform engineering database and an easy-to-use user interface guarantee a high level of user friendliness.**
  - In this way, work processes can be performed in parallel that would otherwise have to be handled sequentially.
Discover how Totally Integrated Automation improves your competitiveness

› how the efficient interoperability of all components creates real added value
› how to achieve enormous time savings already at the engineering phase
› how to make your production better: faster, smarter and more flexible

Find out more: siemens.com/tia

Totally Integrated Automation – take a look!