

# 6 Ways an Integrated Automation Framework Slashes Engineering Time

The next industrial revolution is bringing more information to manufacturers so they can make smarter decisions. This includes the use of interconnected networks of machines that can bring more plantwide visibility for smarter decision-making. However, these increasingly complex machines and networks require advanced automation systems that can be commissioned quickly with minimal downtime.

What manufacturers need is **Siemens Totally Integrated Automation (TIA) Portal**, a single engineering framework that brings together:



Controllers + Distributed I/O + HMI Panels + Drives, Motion Control & Motor Management

Up to **30%** reduction in engineering time.

## How does the TIA Portal enable reduction of engineering time, increased transparency and improved diagnostics?

### 1 Integrated "no programming" diagnostics

**KEY BENEFIT**

Quickly and easily diagnose, navigate and solve a problem.



### 2 One common tag database

**KEY BENEFIT**

Easily commission a system to meet production deadlines while decreasing expenses.



### 3 Ability to create custom libraries

**KEY BENEFIT**

Share custom libraries across corporate servers for easy creation of company standardization for projects.



### 4 An overall project management tool

**KEY BENEFIT**

Reduce engineering time while lowering costs.



### 5 Intuitive system functions

**KEY BENEFIT**

Reassurance that the new system requires minimal training.



### 6 Time-saving functions

**KEY BENEFIT**

Functions such as online/offline comparisons, pictorial system view with online diagnostics, and no-PC-required trace improve efficiencies for the entire organization.



## RESULT



**Lower Design Costs**



**Production Flexibility**



**Minimized Downtime**



**Better Decision-Making**

To ensure you're maximizing the benefits of the TIA Portal, Siemens offers support and training services customized to your learning needs, either in person or digitally. This includes no-charge basic technical support and access to a global network of specialists.

For more information on how integrated engineering with Siemens TIA Portal boosts ROI and overall market competitiveness, call 888-454-4704 or visit [usa.siemens.com/modernize](http://usa.siemens.com/modernize).