

Software in the TIA Portal

The complete package for your automation solution optimizes your engineering processes

With the TIA Portal you integrate not only the basic software (STEP 7, WinCC, SINAMICS Startdrive, SIMOCODE ES and SIMOTION SCOUT TIA) but also the new functionalities like Multiuser and energy management in a single interface.

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PLC programming with SIMATIC STEP 7



Visualization with SIMATIC WinCC



Drive parameterization with SINAMICS Startdrive



Motion Control in the TIA Portal



Parametrization software for SIRIUS and SIMOCODE

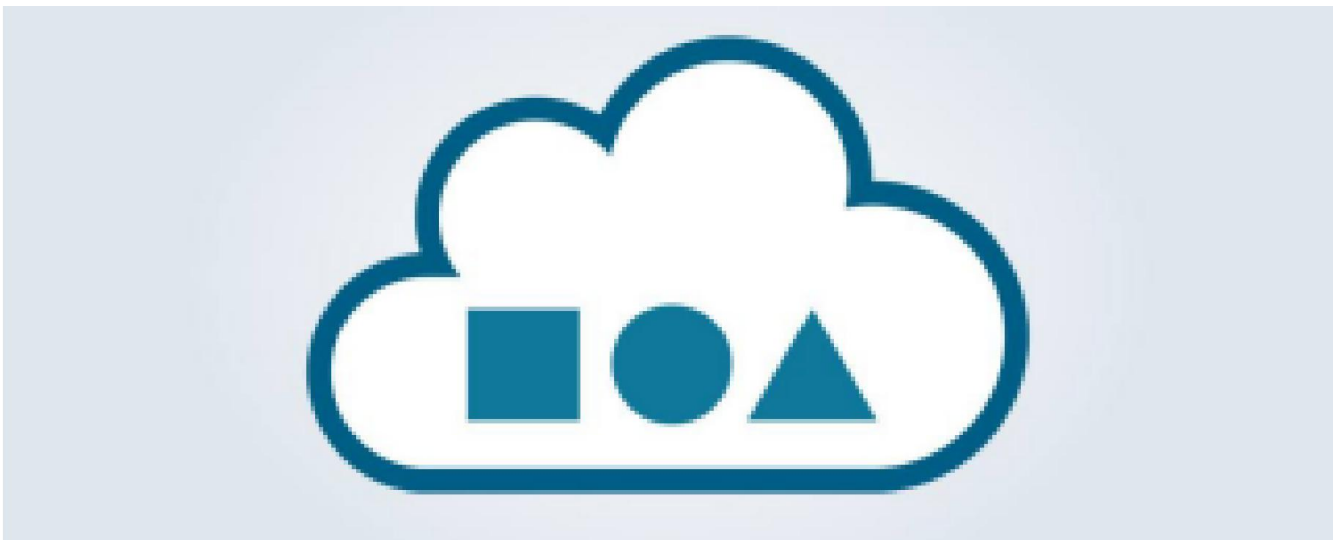




Highlights

TIA Portal highlights at a glance

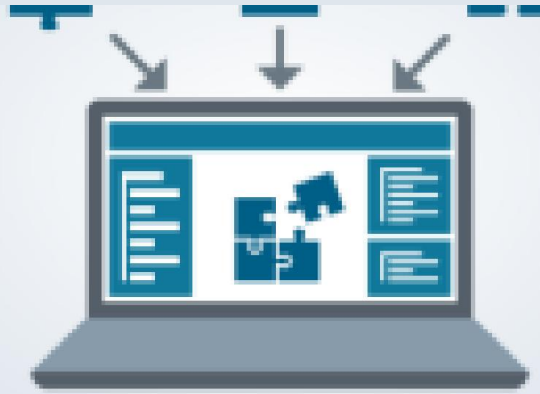
More than just the sum of its parts: The individual components of the complete software package are closely linked. As a result, the TIA Portal offers a variety of functions that link automation and digitalization in a way that is both efficient and, most importantly, manageable.



TIA Portal Cloud connector

Increase flexibility in your everyday work with engineering in the private cloud and direct access of the system controller from your private cloud

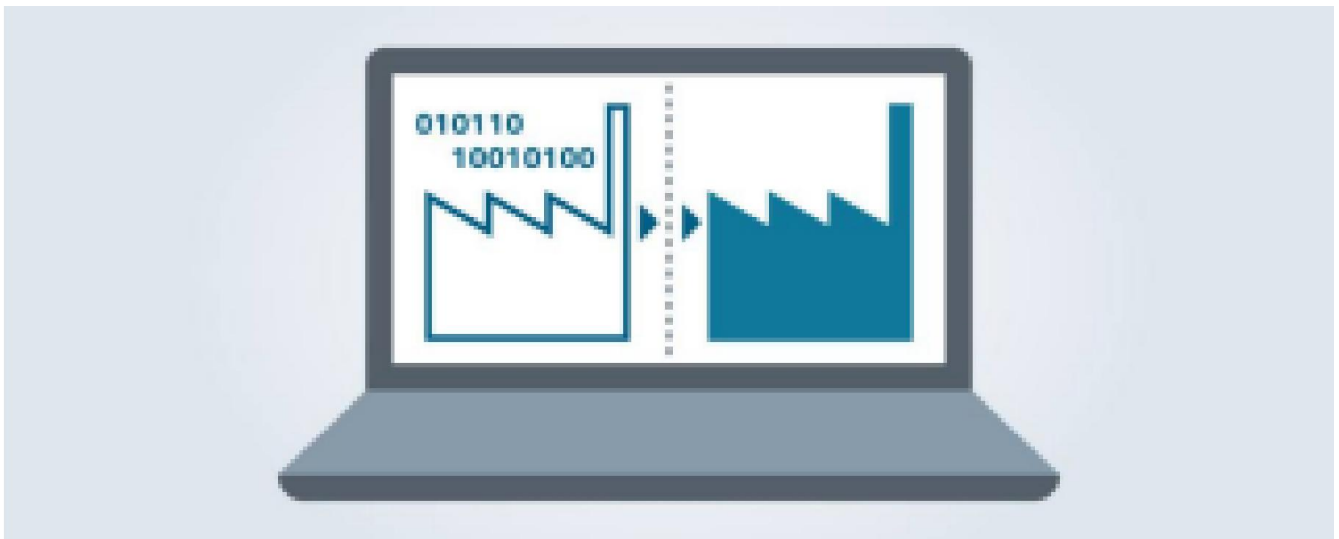
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TIA Portal Openness

Efficient generation of program code using code generators connected via the TIA Portal Openness interface

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PLCSIM Advanced

Holistic simulation of PLC functionality including e.g. communication and webserver as well as interaction with virtual machine and plant models by using PLCSIM Advanced

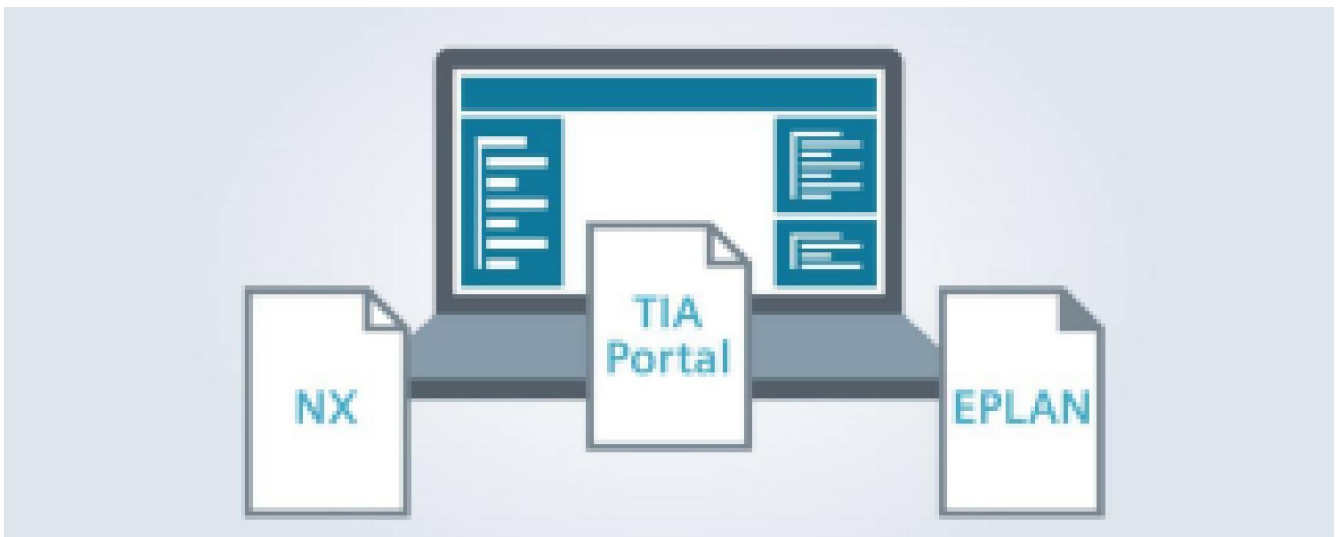
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Connectivity to MindSphere

Analyses and services with consistent quality worldwide with the MindSphere - the cloud-based, open IoT operating system from Siemens

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TIA Portal Teamcenter Gateway

Backup of projects plant-wide with the storage of TIA Portal projects in Teamcenter

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TIA Portal Multiuser Engineering

Work on the same project in a team and flexibly manage it on a server with Multiuser Engineering

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SIMATIC Visualization Architect (SiVArc)

Automatic generation of HMI visualizations with SIMATIC Visualization Architect (SiVArc)

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SIMATIC ODK 1500S

SIMATIC ODK 1500S supports development of Windows and realtime functions and enables integration of high-level languages

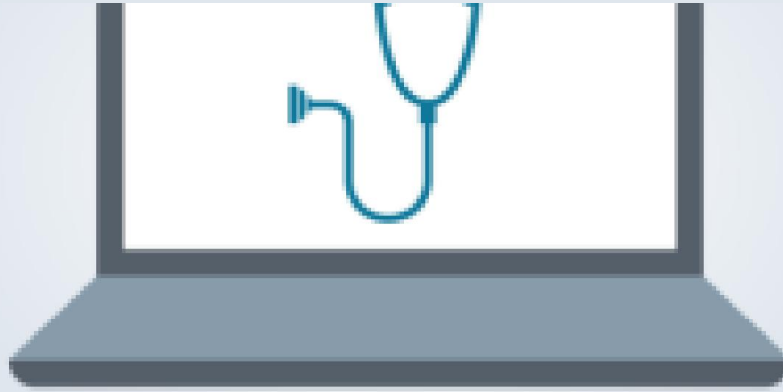
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SIMATIC Target 1500S™ for Simulink®

The SIMATIC Target 1500S enables model-based design with Simulink® and SIMATIC by automatically generating executable code from Simulink models.

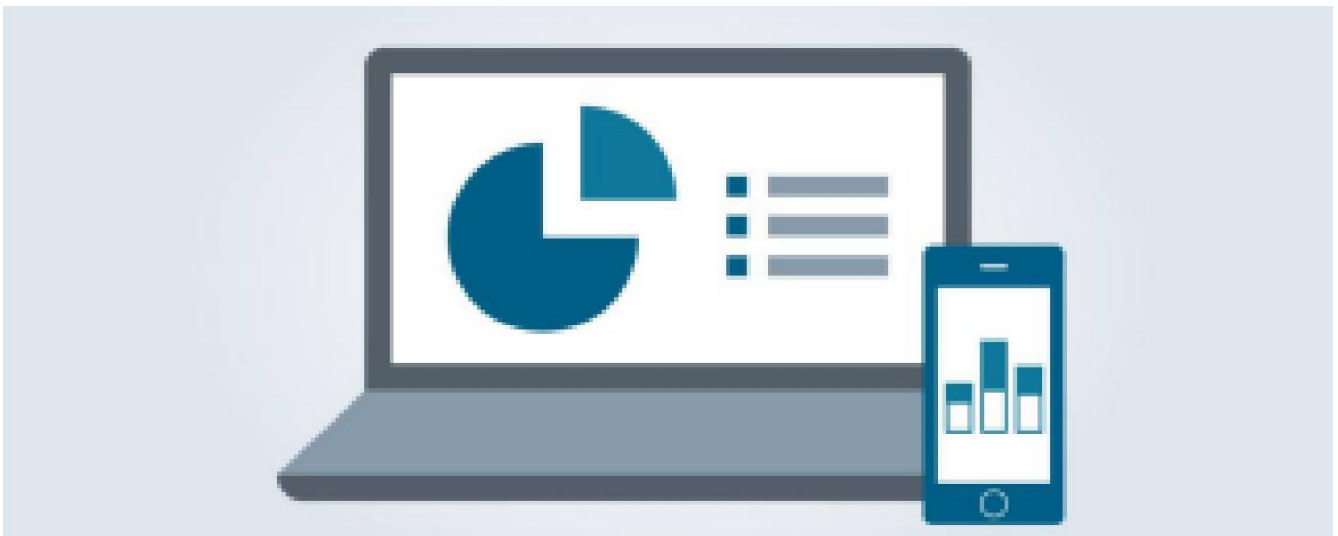
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Machine and plant diagnostic (SIMATIC ProDiag)

Efficient and integrated diagnosis of process errors reduces production downtimes and increases the availability of your machines and plants

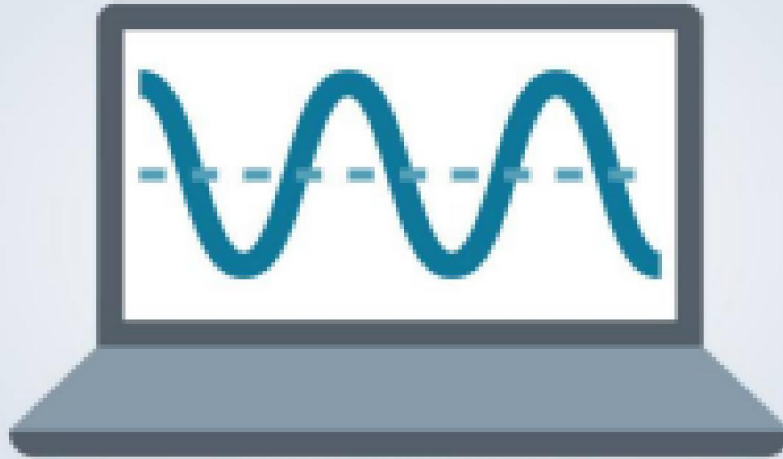
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SIMATIC WinCC/WebUX

Operating and monitoring - any time, any place - efficient, mobile, and secure - on different devices

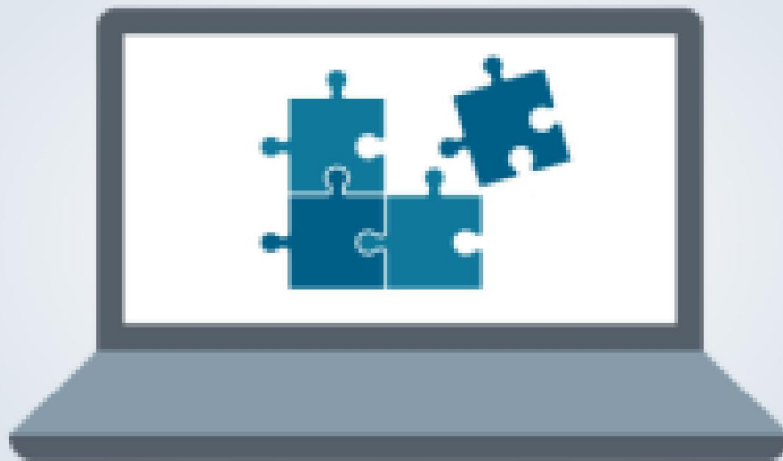
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SIMATIC Energy Suite

Maximum energy transparency in production with minimum expenditure, thanks to the automatic generation and intuitive configuration of measuring components

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SIMATIC OPC UA

Open communication standard for I4.0 communication concepts, supporting standardized connections regardless of the platform

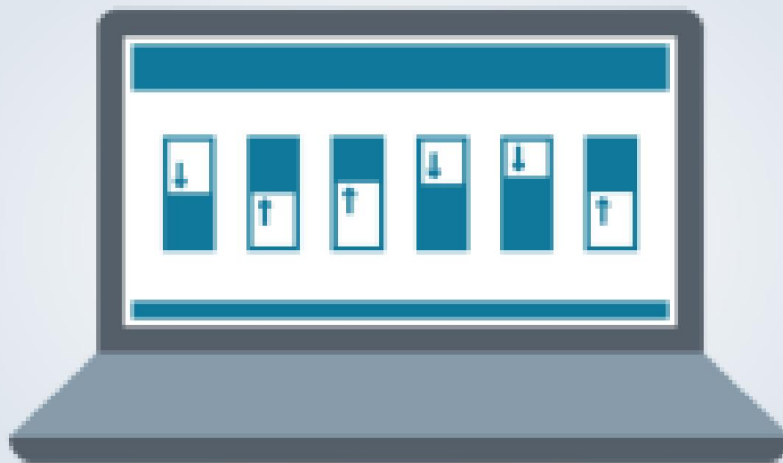
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TIA Portal User Management Component (UMC)

Global user administration minimizes maintenance effort and increases transparency as well as plant security.

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Energy Efficiency Monitor

Evaluation and optimization of energy efficiency of machines over the entire lifecycle.

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Testimonials

Yes, we can talk to machines

The TIA Portal is the proven tool for engineers in many different markets all over the world. Learn more about the TIA Portal in practice from our customers.

Martin Kuber – KROENERT GmbH & Co KG “We were actually very satisfied with the TIA Portal V13 SPS1. It ran faster.”

Starter packages

Starter packages for the TIA Portal

A range of starter packages makes it easy to get started with TIA Portal.

TIA Portal for beginners

TIA Portal Trial Set	+
SIMATIC STEP 7 Powerpack	+
SIMATIC Starter Kits	+
SINAMICS Starter Kits	+

TIA Portal for users switching over from other systems and occasional users

SIMATIC STEP 7 Professional upgrade package	+
SIMATIC 50h engineering license	+

Quick and easy access to further information for reviewing or downloading

Downloads

 [Brochure Totally Integrated Automation Portal V14](#)

[TIA Portal Screensaver](#)

Further information

[Programming Guideline for SIMATIC S7-1200 / S7-1500](#)

[Comparison list for programming languages](#)

* Required





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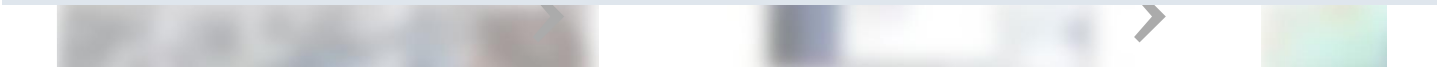
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