Making it the perfect access to automation in the Siemens Enterprise Software Suite, it joins PLM and MES in enabling complete access to the entire digitalized automation, from digital planning and integrated engineering energy efficiency systems: consistently from configuration to data storage, all the way to the customer’s desk.

One for all
With TIA Portal, you integrate all important components of your automation, including SIMATIC, SIMO, S7, and BOX and can now realize control and drive applications. With one or a few mouse clicks, you define the project architecture and start to interact across all tasks, your engineering time is reduced.

Coordinated teamwork
With TIA Portal Multiuser Engineering, multiple people can access a project at the same time. Synchronization is automatic. You can flexibly process tasks and complete them simultaneously – both device-oriented and task-based.

Reliability avoids errors
You reduce the number of errors and double savings time with automated programming code template, drag-and-drop diagnostics tools as well as modular system configuration that enables you to analyze and diagnose errors during commissioning.

Generation instead of programming
Develop your solutions more faster thanks to automated generation of code templates. Use the API, data analysis, and diagnostic functions as well as automated code creation along software generation, that are linked via the TIA Portal Openness interface.

Handle know-how safely and efficiently
Thanks to the comprehensive library concept, you can easily access the tool landscape with access to a complete portfolio of integrated control and drive components.

Open communication
Connecting automation and IT level by means of open interfaces and standards ensures an increased availability of your automation systems. The extended reporting services and pre-diagnostic functionalities give you efficient analytics of all errors. Integrated system analysis via open standard interfaces and bidirectional data exchange lets you access production data from systems of other manufacturers. IndustrialDataBridge offers easy identification and integration of external data documents, thus further develop existing systems and projects in the Digital Factory.
Open, virtual and connected

Digital workflow with TIA Portal

Flexible simulation
By combining the entire workflow, including the contract design, engineering and virtual world, total simulation time is reduced thanks to ProSIM Advanced, the controller’s digital twin.

Cloud solution
You can connect to the cloud to increase flexibility in your everyday work. The new TIA Portal Cloud Connector links the access system solution to your system and makes the engineering application in WinCC flexible. The portal can be accessed via web or mobile devices.

Reliably avoid errors
You reduce the amount of extra work by reliably identifying errors and quickly accessing them with error-optimized programming code templates, using new and efficient diagnostic tools in the complete automation project, including the controller’s digital twin.

Generation instead of programming
Develop your solutions even faster thanks to automatic generation of complete automation in WinCC, WinCC flexible and Simatic Controls. Even existing DCS and PLC systems can be replaced. As well as automatic program creation along standard software generation, you can link the TIA Portal system components.

Handle know-how safety and efficiently
Thanks to the comprehensive library concept, you can easily work with existing project systems and thus avoid extra work. Adapt your own project to your own requirements and needs, and easily further develop existing systems and projects in TIA Portal.

Shorten your time to productivity
Integrated engineering with TIA Portal

One for all
With TIA Portal, you integrate all important components of your automation project – safety, control, drives, HMI, power distribution and even more. The new multi-master control and power visualization. With only a few mouse clicks, a desired device is entered in a virtual system across all tabs, your engineering time is reduced.

Coordinated teamwork
With TIA Portal Multiuser Engineering, multiple people can access a complete portfolio of the control and drive components.

Reliably avoid errors
You reduce the amount of extra work by reliably identifying errors and quickly accessing them with error-optimized programming code templates, using new and efficient diagnostic tools in the complete automation project, including the controller’s digital twin.

Information management
The integrated SIMATIC Energy Suite automation solution and the data management Energy Manager PRO energy management solution helps you get control of your energy assets. With this new and efficient diagnostic tool you can diagnose energy system downtimes and increase the availability of your machines and plants. The standardized ProDiag machine and plant diagnostic function gives you efficient analyses of process errors. Integrated system diagnosis helps you quickly identify errors in the automation system and thus avoid extra work.

Energy management
The integrated SIMATIC Energy Suite automation solution and the data management Energy Manager PRO energy management solution helps you get control of your energy assets. With this new and efficient diagnostic tool you can diagnose energy system downtimes and increase the availability of your machines and plants. The standardized ProDiag machine and plant diagnostic function gives you efficient analyses of process errors. Integrated system diagnosis helps you quickly identify errors in the automation system and thus avoid extra work.

Open communication
Connecting automation and IT levels by means of open communication interfaces enables you to integrate and replace SIMATIC solutions. The system architecture of this system allows for maximum protection due to systems of other manufacturers. Standardization of communication as well as the use of standardized software and system components allow you to use both SIMATIC and third-party technologies and applications in the automation system.
TIA Portal – more than an engineering framework

Open, virtual and connected
Digital workflow with TIA Portal

Flexible simulation
By combining the entire workflow, including the controller, server, visualization, and virtual model, TIA Portal makes user-friendliness easier. A check list is delivered thanks to the automatic integration of the controller’s digital twin.

Open system
The Totally Integrated Automation Portal (TIA Portal) is the central point where you can access a complete portfolio of your automation project: safety, security, control, HMI, drives, distributed automation.

Cloud solution
You can connect to the cloud to increase flexibility in your everyday work. The new TIA Portal Cloud Connector lets you access the system controller from your private cloud.

Increase your productivity
Transparent operation with TIA Portal

Shorten your time to engineering
Integrated engineering with TIA Portal

Reliably avoid errors
You reduce the risk of errors in your end product by easily identifying errors and quickly solving them with integrated programming, code generation, diagnostic, and energy management tools. In real-time, you can identify errors and start working from a virtual model.

One for all
With TIA Portal you integrate all important components of your automation project: safety, security, control, HMI, drives, distributed automation and your entire control and drive system. With only a few multiple entries, a shared database and a standard interface across all tools, your engineering time is reduced.

Coordinated teamwork
With TIA Portal you can easily coordinate tool landscapes across all tasks, your engineering time is reduced. One for all: configuration to data storage, all the way to the customer’s desk.

Generation instead of programming
Streamline your automation even further. Thanks to automatic generation of control code, you can avoid the repetitive programming work and focus on planning and design. Thanks to the new TIA Portal Openness interface, you can easily integrate higher-level MES/ERP solutions. The standardized OPC UA communication protocol lets you forward information to the company’s enterprise systems.

Handle know-how safety and efficiently
Thanks to the comprehensive library concept, you can quickly react to project changes and thus avoid errors, safeguard your project, and cut down on costs. Thanks to the TIA Portal, you can prepare data according to specific target groups with the SIMATIC Information Server locally or on a mobile device when you are on the move. Thanks to the deep support of WebDirect as well as the full functionality of WinCC and WinCC flexible, the TIA Portal helps you to achieve uniform data according to the status of the project and access it in the TIA Portal.

Information management
The greatest possible transparency through uniform data storage and easily accessible navigation. The integrated SIMATIC Energy Suite makes energy data management easy, convenient, and flexible. The universal system helps you get a handle on your energy costs at all times. The greatest possible transparency through consistent data storage and quickly correcting them with numerous programming code generated by software generators.

Energy management
The integrated SIMATIC Energy Suite automates the collection and evaluation of energy consumption data and the entire energy management and planning of power distribution systems. The universal system helps you get a handle on your energy costs at all times.

Diagnosis management
The integrated SIMATIC Energy Suite automates the collection and evaluation of energy consumption data and the entire energy management and planning of power distribution systems. The universal system helps you get a handle on your energy costs at all times.

Open communication
Connecting automation and IT levels by means of open communication tools, an integrated and integrated TIA Portal allows you to avoid errors and thus increase availability of your automation project. The standardization, tuning functions and process diagnosis tools as well as the diagnostic functions for components and equipment make it easy to analyze errors and errors in the automation system diagnosis helps you quickly identify errors in the automation system. The standardized ProDiag machine and plant diagnostic gives you efficient analyses of process errors. Integrated operation downtimes and increase the availability of your machines, in production lets you make the right decisions quickly. You can prepare data according to specific target groups with the SIMATIC Information Server locally or on a mobile device when you are on the move. The system supports WebDirect as well as the full functionality of WinCC and WinCC flexible, the TIA Portal helps you to achieve uniform data according to the status of the project and access it in the TIA Portal.
Open, virtual and connected

Digital workflow with TIA Portal

Flexible simulation
By combining the entire workflow, including the controller engineering and virtual model. Final commissioning time is reduced thanks to TIA Portal. For controller’s digital twin.

Cloud solution
The cloud offers you to efficiently make your project using software generators. Thus reducing the number of required equipment, trips, follow-up, you can manage your project, production planning, engineering, and design.

Reliably avoid errors
You reduce the amount of extra work by reliably identifying errors and quickly correct them with numerous programming code generators, thus reducing your commissioning time and the need to return to the field.

Integrated engineering with TIA Portal

You work with a team-enabled, fully integrated tool landscape with access to a complete portfolio of control and drive components.

One for all
With TIA Portal, you integrate all important components of your engineering environment. The connection of SIMATIC, Sinamics, and SG100 and your entire control and drive system automation. With only a few mouse clicks, a shared database and a standard interface across all tasks, your engineering time is reduced.

Coordinated teamwork
With TIA Portal, you integrate all important components of your engineering environment. The connection of SIMATIC, Sinamics, and SG100 and your entire control and drive system automation. With only a few mouse clicks, a shared database and a standard interface across all tasks, your engineering time is reduced.

Integration instead of programming
Simplify your solutions even further thanks to automatic generation of control codes with TIA Portal. The integration of engineering, simulation, and software generators, thus reducing your commissioning time and the need to return to the field.

Handle know-how safety and efficiently
Thanks to the comprehensive library concept, you can easily access project and thus avoid new code. Safeguard your own project data. TIA Portal supports Microsoft Access, SQL, and MySQL further develop existing systems and projects in the cloud.

Increase your productivity

A standard engineering platform is desirable for engineering energy efficiency systems: consistently from configuration to data storage, all the way to the customer’s desk.

One for all
With TIA Portal, you integrate all important components of your engineering environment. The connection of SIMATIC, Sinamics, and SG100 and your entire control and drive system automation. With only a few mouse clicks, a shared database and a standard interface across all tasks, your engineering time is reduced.

Information management
Integrate life cycle data and use it for intelligent decision making. Make your engineering process more efficient by accessing, analyzing, and using historical data. Scale your business across processes.

Energy management
Integrate SIMATIC Energy Suite automation solution and the universally conected Energy Manager PRO energy management system. You can plan and control your energy systems at any time. You can also use the Energy Manager PRO energy management system to significantly reduce your energy costs.

Diagnosis management
With an integrated Standard OPC UA setup, you can store and analyze your data remotely and quickly improve the quality of your data. The connection of engineering and fault diagnosis functions gives you detailed analysis of your energy systems. Integrated automation and process simulation allows for the visual representation of your energy systems and applications.

Open communication
Connecting automation and IT level by means of open communication technologies for a transparent and IT-optimized system architecture. The integration of automation and IT systems provides you with real-time access to your energy systems and reduces your energy costs.

The Totally Integrated Automation Portal (TIA Portal) enables convenient access to the entire digitalized automation framework.

With TIA Portal and its possibilities offered by the new Version 13.0, machine manufacturers and system integrators as well as plant operators benefit from:

- shorter development thanks to innovative simulation tools, among other things
- increased plant productivity thanks to additional diagnostic and energy management functions
- greater flexibility thanks to coordinated teamwork

The Totally Integrated Automation Portal (TIA Portal) – more than an engineering framework.

With TIA Portal and its possibilities offered by the new Version 13.0, machine manufacturers and system integrators as well as plant operators benefit from:

- shorter development thanks to innovative simulation tools, among other things
- increased plant productivity thanks to additional diagnostic and energy management functions
- greater flexibility thanks to coordinated teamwork

The Totally Integrated Automation Portal (TIA Portal) – more than an engineering framework.

“The ability to simulate machines gives me security in design, security in sales and security in machine configuration.”

Rainer Feuchter, Head of E-Technik, Quintec

“Open, virtual and connected...”

One for all
With TIA Portal, you integrate all important components of your engineering environment. The connection of SIMATIC, Sinamics, and SG100 and your entire control and drive system automation. With only a few mouse clicks, a shared database and a standard interface across all tasks, your engineering time is reduced.

Coordinated teamwork
With TIA Portal, you integrate all important components of your engineering environment. The connection of SIMATIC, Sinamics, and SG100 and your entire control and drive system automation. With only a few mouse clicks, a shared database and a standard interface across all tasks, your engineering time is reduced.

Integration instead of programming
Simplify your solutions even further thanks to automatic generation of control codes with TIA Portal. The integration of engineering, simulation, and software generators, thus reducing your commissioning time and the need to return to the field.

Handle know-how safety and efficiently
Thanks to the comprehensive library concept, you can easily access project and thus avoid new code. Safeguard your own project data. TIA Portal supports Microsoft Access, SQL, and MySQL further develop existing systems and projects in the cloud.

Increase your productivity

A standard engineering platform is desirable for engineering energy efficiency systems: consistently from configuration to data storage, all the way to the customer’s desk.

One for all
With TIA Portal, you integrate all important components of your engineering environment. The connection of SIMATIC, Sinamics, and SG100 and your entire control and drive system automation. With only a few mouse clicks, a shared database and a standard interface across all tasks, your engineering time is reduced.

Information management
Integrate life cycle data and use it for intelligent decision making. Make your engineering process more efficient by accessing, analyzing, and using historical data. Scale your business across processes.

Energy management
Integrate SIMATIC Energy Suite automation solution and the universally conected Energy Manager PRO energy management system. You can plan and control your energy systems at any time. You can also use the Energy Manager PRO energy management system to significantly reduce your energy costs.

Diagnosis management
With an integrated Standard OPC UA setup, you can store and analyze your data remotely and quickly improve the quality of your data. The connection of engineering and fault diagnosis functions gives you detailed analysis of your energy systems. Integrated automation and process simulation allows for the visual representation of your energy systems and applications.

Open communication
Connecting automation and IT level by means of open communication technologies for a transparent and IT-optimized system architecture. The integration of automation and IT systems provides you with real-time access to your energy systems and reduces your energy costs.
Digital Enterprise. Siemens for companies on the path to Industrie 4.0, rounding out the comprehensive offering from Enterprise Software Suite, it joins PLM and MES in information, from digital planning and integrated engineering platform ecosystem integrators as well as plant operators benefit from:

- With TIA Portal and the possibilities offered by the new diagnostic and energy management functions increased plant productivity thanks to additional flexibility in your work.
- The Totally Integrated Automation Portal (TIA Portal) gives me security in machine control and drive components.
- You work with a configuration to simulate machines.
- “You work with a configuration to simulate machines.”
- By simulating the entire installation, including the controller I/O and now even motion control and power distribution. With only a few multiple entries, a shared database and a standard interface the controller's digital twin.
- Commissioning time is reduced thanks to PLCSIM Advanced, the controller's digital twin.
- You reduce the amount of extra work by reliably identifying errors during commissioning.
- No installation on the engineering workstation is necessary. MindSphere – Siemens Cloud for Industry can be used for everyday work. The new TIA Portal Cloud Connector lets you access the system controller from your private cloud.

You can connect to the cloud to increase flexibility in your software generators, thus reducing the number of redundant programming code. With TIA Portal Multiuser Engineering, multiple people can access a project at the same time. Synchronization is automatic. You can realize system downtimes and increase the availability of your machines. The greatest possible transparency through consistent data storage.

In communications oriented and task-based.

The information given in this document only contains general descriptions and/or performance features which are linked via the TIA Portal Openness interface. As well as automatic program creation using software generators, thus reducing the number of redundant programming code.

Long-term specialist knowledge over the long term with know-how-protected tools and open system drivers. You can connect to the cloud to increase flexibility in your software generators, thus reducing the number of redundant programming code.

OpenGL, virtual and open, virtual and open.
### Easy access to the TIA Portal

#### Action packages

**Trial user**
- **TIA Portal V14 TRIAL download collections**
  - STEP 7: [https://support.industry.siemens.com/cs/de/de/view/109740158](https://support.industry.siemens.com/cs/de/de/view/109740158)
  - WinCC: [https://support.industry.siemens.com/cs/de/de/view/109740228](https://support.industry.siemens.com/cs/de/de/view/109740228)
  - Startdrive: [https://support.industry.siemens.com/cs/de/de/view/68034568](https://support.industry.siemens.com/cs/de/de/view/68034568)
  - Trial period: limited (21 days)

**Upgraders**
- **Software – STEP 7 V5.5 to SIMATIC STEP 7 Professional V14 Combo**
  - **Scope**: Upgrade and power pack from STEP 7 V5.5 to STEP 7 V14 Professional / Prof. 2010; SUS contract also required
  - **Product no.**: 6ES7822-1AA04-0XC2
  - **SUS product no.**: 6ES7810-5CC04-0YE2
  - **Trial period**: unlimited; prerequisites: STEP 7 V5.5 license, STEP 7 V5.5 SUS
  - **Important**: The package is linked with a mandatory SUS contract.

**First-time users**
- **Starter kit with S7-1500 hardware**
  - The starter kit includes everything you need to immediately put the high-performance SIMATIC S7-1500 into use.
  - [siemens.com/s7-1500-starter-kits](https://siemens.com/s7-1500-starter-kits)

- **Starter kit with S7-1200 hardware**
  - With the SIMATIC S7-1200 starter kits, you can quickly and easily implement your simple automation tasks.
  - [siemens.com/s7-1200-starterkits](https://siemens.com/s7-1200-starterkits)

- **Starter kit with Comfort Panel hardware**
  - With high-resolution wide-screen displays ranging from 4" to 22" and the option of touch operation or operating buttons, the starter kits include everything you need to use the hardware.
  - [siemens.com/comfort-panel-starter-kits](https://siemens.com/comfort-panel-starter-kits)

- **Software – SIMATIC STEP 7 V14 power pack: V14 Trial 365 → V14 (download)**
  - After you purchase the SIMATIC S7-1500 starter kit, you can convert the included 365-day license to a full license of the same version with a power pack.
  - **Product no.**: 6ES7822-1BE04-0YC5
  - **Prerequisites**: S7-1500 starter kit

**Temporary use**
- **SIMATIC 50-hour engineering license for infrequent use of the software (rental license)**
  - **Scope**: STEP 7 Professional (TIA Portal & 2010), WinCC Professional (TIA Portal & Flexible 2008), STEP 7 Safety Advanced (TIA Portal & Distributed Safety)
  - **Product no.**: 6ES7823-1GE04-0YA5
  - **Trial period**: 50 hours of actual use

#### Good to know

- **Software Update Services (SUS)**
  - With the Software Update Service, you automatically receive all released versions of the software you use delivered right to your door – in other words, all upgrades and service packs. [siemens.com/SUS](https://siemens.com/SUS)

- **Online Software Delivery (OSD)**
  - The clever alternative to traditional software delivery! Downloading automation software reduces your administrative expense and storage costs, and ensures simple, reliable, and always clearly organized license management. [siemens.com/OSD](https://siemens.com/OSD)

#### Your step into the future – migration made easy

- **Supporting documents and tools for migration**
  - Migration to the TIA Portal is supported with several powerful tools and helpful documents, which you can simply download.
  - • TIA Portal readiness check tool: Check quickly and easily whether the hardware contained in your projects is supported by the TIA Portal. [siemens.com/readiness-check](https://siemens.com/readiness-check)
  - • Compatibility tool: The tool allows you to assemble a compatible selection of software products or to check existing configurations for compatibility. [siemens.com/kompatool](https://siemens.com/kompatool)

- **Individual modernization support**
  - On request, Siemens can provide you with personal support for very specific requirements: [siemens.com/industry/contact](https://siemens.com/industry/contact)
  - From consultation and implementation to final project completion, Siemens offers comprehensive modernization services: [siemens.com/fa-migration](https://siemens.com/fa-migration)
  - Details are available at: [siemens.com/tia-migration](https://siemens.com/tia-migration)

- **Documentation**
  - Migration guides:
    - From SIMATIC S7-300/400 to S7-1500: [siemens.com/s7-300/400-s7-1500](https://siemens.com/s7-300/400-s7-1500)
    - From SIMATIC S5 to S7-1500: [siemens.com/s5-s7-1500](https://siemens.com/s5-s7-1500)
    - From SIMATIC WinAX RTX to S7-1500 software controller: [siemens.com/winax-rtx-s7-1500](https://siemens.com/winax-rtx-s7-1500)
# Digital workflow with the TIA Portal

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<th>Simulation</th>
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<td>SIMATIC S7-PLCSIM Advanced V1.0</td>
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<td>DVD: 6ES7823-1FA00-0YA5</td>
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<td>TIA Portal Cloud Connector V1.0</td>
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<tr>
<td>Siemens MindSphere</td>
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<td>MindSphere – Siemens Cloud for Industry</td>
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<td><a href="http://support.automation">http://support.automation</a>. siemens.com/WW/view/ de/109739072</td>
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<td>SIMATIC Target 1500S™ for Simulink® V1.0</td>
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<td>TIA Portal Teamcenter Gateway V14</td>
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# Integrated engineering with the TIA Portal

## PLC programming

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| SIMATIC STEP 7 V14 Professional | Download: 6ES7822-1AE04-0YA5  
  DVD: 6ES7822-1AA04-0YA5 |
| SIMATIC STEP 7 V14 Basic | Download: 6ES7822-0AE04-0YA5  
  DVD: 6ES7822-0AA04-0YA5 |
| SIMATIC STEP 7 V14 Safety Advanced | Download: 6ES7833-1FA14-0YH5  
  DVD: 6ES7833-1FA14-0YA5 |
| SIMATIC STEP 7 V14 Safety Basic | Download: 6ES7833-1FB14-0YH5  
  DVD: 6ES7833-1FB14-0YA5 |
| SCOUT/SCOUT TIA V4.5 (SIMOTION) | Download: 6AU1810-1BA45-0XH5  
  DVD: 6AU1810-1BA45-0XA0  
  to be released December 2016 |

## Visualization

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| SIMATIC WinCC Basic V14 | Download: 6AV2100-0AA04-0AH5  
  DVD: 6AV2100-0AA04-0AA5 |
| SIMATIC WinCC Comfort V14 | Download: 6AV2101-0AA04-0AH5  
  DVD: 6AV2101-0AA04-0AA5 |
| SIMATIC WinCC Advanced V14 | Download: 6AV2102-0AA04-0AH5  
  DVD: 6AV2102-0AA04-0AA5 |
| SIMATIC WinCC Professional with 512 or more PowerTags V14 | Download: 6AV2103-0DA04-0AH5  
  DVD: 6AV2103-0DA04-0AA5 |
| SIMATIC Visualization Architect V14 | Download: 6AV2107-0PX04-0AH5  
  DVD: 6AV2107-0PX04-0AA5 |

## Motion Control

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| SINAMICS Startdrive V14 | Download: 6SL3072-4EA02-0XG0  
  DVD: 6SL3072-4EA02-0XA0 |

## Motor Management

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| SIMOCODE ES V14 Basic | Download: 3ZS1322-4CE12-0YB5  
  DVD: 3ZS1322-4CC12-0YA5 |
| SIMOCODE ES V14 Standard | Download: 3ZS1322-5CE12-0YB5  
  DVD: 3ZS1322-5CC12-0YA5 |
| SIMOCODE ES V14 Premium | Download: 3ZS1322-6CE12-0YB5  
  DVD: 3ZS1322-6CC12-0YA5 |

## Soft Starter

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| SIRIUS Soft Starter ES V14 Basic | Download: 3ZS1320-4CE10-0YB5  
  DVD: 3ZS1320-4CC10-0YA5 |
| SIRIUS Soft Starter ES V14 Standard | Download: 3ZS1320-5CE10-0YB5  
  DVD: 3ZS1320-5CC10-0YA5 |
| SIRIUS Soft Starter ES V14 Premium | Download: 3ZS1320-6CE10-0YB5  
  DVD: 3ZS1320-6CC10-0YA5 |

## Working on a team

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| TIA Portal Multiuser Engineering V14 | Download: 6ES7823-1AE04-0YA5  
  DVD: 6ES7823-1AA04-0YA5 |

## High-level language integration

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| SIMATIC ODK 1500S V2.0 | Download: 6ES7806-2CD02-0YG0  
  DVD: 6ES7806-2CD02-0YA0 |
# Transparent operation with the TIA Portal

## Transparent operation

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<td>Download: 6AV6362-2AB00-0AH0</td>
<td>WinCC WebUX Monitor with one or more clients</td>
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<td>DVD: 6AV6362-2AB00-0BB0</td>
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<tr>
<td>Download: 6AV2107-0CR00-0BH0</td>
<td>SIMATIC WinCC Sm@tServer for SIMATIC Basic Panels</td>
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<tr>
<td>Download: license-free</td>
<td>SIMATIC WinCC Sm@tServer for SIMATIC Comfort/Mobile Panels</td>
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<td>Download: 6AV2107-0CA00-0BH0</td>
<td>SIMATIC WinCC Sm@tServer for Runtime Advanced</td>
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## Energy Management

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<td>Download: 6AV2108-0AA04-0AH5</td>
<td>SIMATIC Energy Suite V14 Engineering incl. 10 Energy Objects (2x5 EnO)</td>
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<td>Download: 6AV2108-0CF00-0BH0</td>
<td>SIMATIC Energy Suite S7-1500, from 5 Energy Objects up (1x5 EnO)</td>
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<td>DVD: 6AV2108-0CF00-0BB0</td>
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## Communication

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<td>SIMATIC OPC UA S7-1500 small [ET 200SP to S7-1513(F) + 15055(F)]</td>
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<td>Download: 6ES7823-0BE00-1CA0</td>
<td>SIMATIC OPC UA S7-1500 medium [S7-1515/S7-1516(F) + 15075(F)]</td>
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<td>Download: 6ES7823-0BE00-1DA0</td>
<td>SIMATIC OPC UA S7-1500 large [S7-1517/S7-1518(T) (F) (ODK)]</td>
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## Machine and plant diagnostics

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<td>SIMATIC ProDiag S7-1500 for 250 supervisions</td>
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<td>Download: 6AV2107-0UP00-0BH0</td>
<td>SIMATIC ProDiag for SIMATIC Comfort/Mobile Panels</td>
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More information at: siemens.com/energysuite and Webux: siemens.com/wincc-webux
## Software packages and options

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<th>Software packages and options</th>
<th>Scope of services</th>
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<td>SIMATIC STEP 7 V14 / STEP 7 Safety</td>
<td>Advanced Controller – SIMATIC S7-1500 and SIMATIC S7-300/400 (F)</td>
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<td>SIMATIC WinCC</td>
<td>Distributed Controller – SIMATIC ET 200CPUs (F)</td>
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<td>SINAMICS Startdrive</td>
<td>Basic Controller – SIMATIC S7-1200 (F)</td>
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<td>SIMOTION SCOUT TIA</td>
<td>Basic Controller – SIMATIC S7-1500</td>
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<td>SINAMICS S120</td>
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### Engineering options

- TIA Portal Multiuser Engineering
- TIA Portal Teamcenter Gateway
- TIA Portal Cloud Connector
- SIMATIC Energy Suite ES
- SIMATIC PLCSIM Advanced
- SIMATIC STEP 7 Safety
- SIMATIC ODK 1500S
- SIMATIC Target 1500S for SIMULINK
  - SIMATIC Visualization Architect

### Runtime options

- SIMATIC ProDiag
- SIMATIC Energy Suite RT
- SIMATIC OPC UA
  - WinCC/WebUX