

SIEMENS

Ingenuity for life

The SCADA system inside TIA Portal

Efficiency and transparency
for your plant

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SIMATIC WinCC Professional

The SCADA system for multi-user solutions inside TIA Portal

With SIMATIC WinCC Professional, Siemens offers a SCADA system which is perfectly integrated in the TIA Portal and with which you are optimally prepared today for the requirements of the increasing digitalization of production processes.

Efficiency

- Shorter time-to-market
- Minimized downtimes
- Transparent production

Scalability

- Expansion of existing plants
- Security of investment

Innovation

- Optimized overview, anytime and anywhere
- Intuitive and safe operation

Partner and support

- Global support according to the highest quality

Openness

- Easy integration in the IT world

The requirements of the future

The data volume in modern industrial plants is growing continuously. Modern and powerful SCADA solutions today must be able to quickly process huge amounts of data and archive this data for long periods. At the same time, new

technologies are introduced in the industry and global solutions require mobile access to all of the plant information. In addition to increasing productivity, energy efficiency is an important factor in reducing the overall costs.

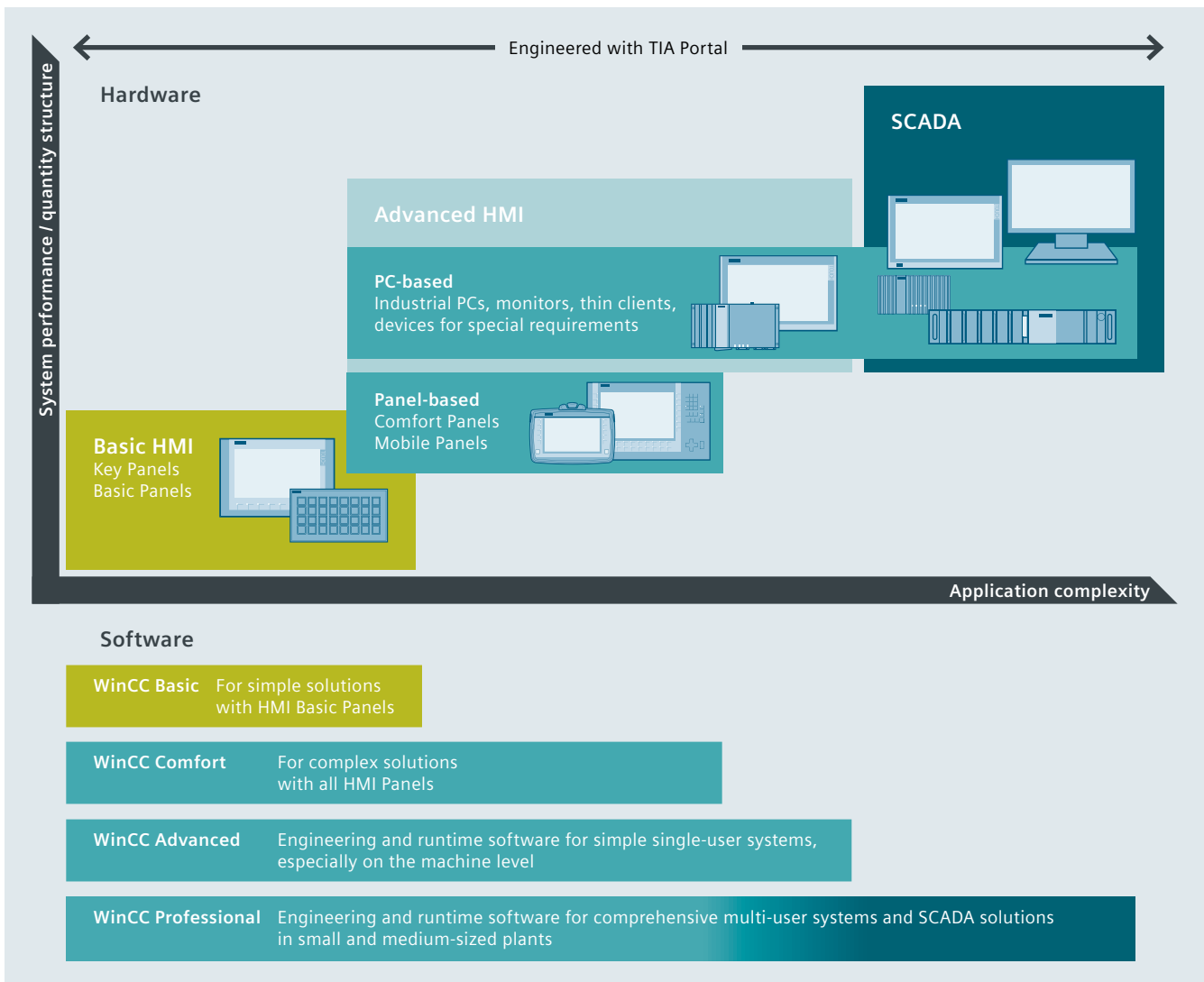
Increase your efficiency with the TIA Portal

SIMATIC HMI software in the TIA Portal – more than just a visualization software

From machine-level visualization all the way to the powerful SCADA system, SIMATIC WinCC inside TIA Portal, with its efficient tools, covers the entire engineering and visualization software spectrum for the human machine interface – integrated across all performance classes!

The system solution for efficient production

SIMATIC WinCC Professional and SIMATIC industrial PCs form a high-performance and flexible platform for the acquisition, evaluation and visualization of data. Thus you rely on a coordinated development and integrated end-to-end functionality of hardware and software, which pays off over the entire life cycle.



Simple and fast configuring...



Industry-standard HMI functions

- Reporting and acknowledging of events
- Archiving of messages and measured values
- Logging of all process and configuration data
- Integrated user management with SIMATIC Logon
- Flexibly expandable through VB and C scripts

Security of investment:

- Reduced life cycle costs due to minimized engineering, training, maintenance and service effort
- Reuse and standardization
- Import of the configuration from WinCC flexible and from WinCC V7

Powerful and intelligent tools for...

- Efficient engineering
- Optimum interaction of controller and HMI
- Multilingual for international projects
- Comprehensive library concept
- Automatic generation of the HMI visualization with SiVarc

SIMATIC WinCC Professional

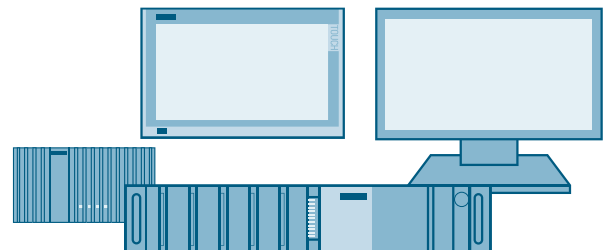
Consistent data throughout the entire production...



...is the basis for a transparent plant

High-performance and reliable archiving of production data, even comprehensively in a central process historian.

PC hardware for industrial solutions



The system platform comprising SIMATIC industrial PCs and SCADA software – in combination as attractive packages.

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[➤ siemens.com/scada-ipc](https://www.siemens.com/scada-ipc)

...for efficiency and transparency in operation!

...high user-friendliness...

Implement clearly arranged applications with modern HMI operation concepts for uniquely fast and efficient operator control using intuitive gestures.



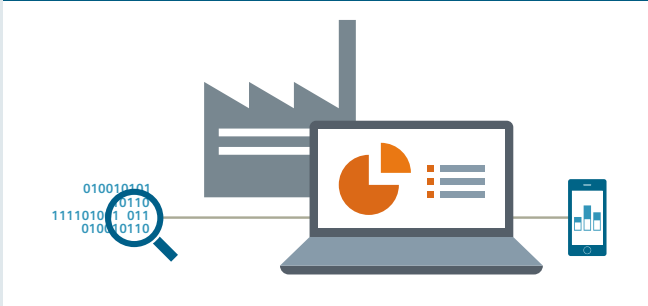
...and worldwide, web-based access

Operator control and monitoring from wherever you want – also with target group-oriented dashboards, reports and analysis of your production data.



Information hub for corporation-wide vertical integration

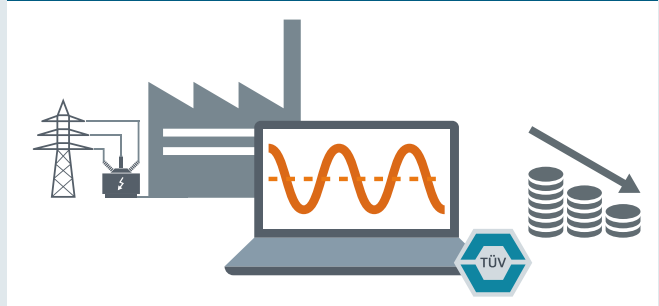
Transparent production...



...for optimized processes

So that you can make the right decisions – quickly, anytime, anywhere.

Energy transparency...



...for energy savings according to ISO 50001

Low-cost and energy-efficient production in accordance with the latest legal stipulations.

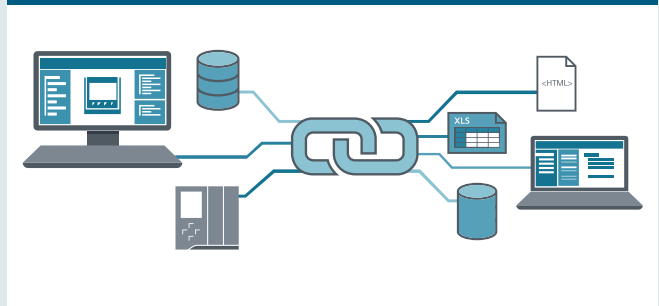
Increased availability...



...of machines and production plants

Reduce production outages by combining integrated system diagnostics and efficient process diagnostics.

Open communication...



...connects the automation and IT world

Easily transfer your production data to higher-level systems via standard interfaces.

Options for SIMATIC WinCC Professional

Software expansions for individual requirements

WinCC Professional options*

Easily scalable

- **WinCC Server/WinCC Client** – for client/server systems
- **WinCC Redundancy** – for increased availability
- **SIMATIC Process Historian** – the powerful, plant-wide long-term archive
- **WinCC/WebNavigator** – operator control and monitoring via the Internet/Intranet
- **WinCC/WebUX** – mobile access to important plant information

Efficiency in operations control

- **WinCC Recipes** – administration of user data records
- **SIMATIC Information Server** – web-based reports of historical plant data based on the Microsoft Reporting Services or with Microsoft Office
- **SIMATIC Energy Suite** – efficient linking of energy management with automation
- **SIMATIC Energy Manager PRO**, SIMATIC B.Data, manages the consumption efficiently and across sites
- **SIMATIC ProDiag** – machine and plant diagnostics for the efficient analysis of process faults

Related products

- **WinCC/IndustrialDataBridge** – bidirectional exchange of data via standard interfaces without programming overhead

* Please observe the release of individual options



Web-based operator control and monitoring with SIMATIC WinCC WebNavigator



Target group-oriented reports and evaluations with SIMATIC Information Server

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Energy management with SIMATIC Energy Suite and SIMATIC Energy Manager PRO

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[siemens.com/simatic-process-historian](https://www.siemens.com/simatic-process-historian)

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Efficiency

SIMATIC WinCC Professional combines efficient engineering in the TIA Portal with powerful diagnostics and archiving. Thus you benefit from shorter time-to-market, minimized downtimes, and transparency in production.

Scalability

To cover increasing demands, we offer stationary and mobile solutions – security guaranteed. You can expand your existing plants without any problems and secure your investments.

Innovation

Stay informed with mobile SCADA solutions anywhere and anytime – also with existing tablet and smartphone hardware. The use of multi-touch gestures in the industrial environment opens the door for modern operating concepts.

Openness

Through the support of international standards, you are able to easily integrate your SCADA solution in the IT world.

Universal application – solutions for many industries and technologies

SIMATIC WinCC Professional is of modular design and can be easily expanded. It is used worldwide in single-user applications in mechanical engineering as well as in PC-based multi-user solutions with redundant servers or web-based client access. References from many industries prove the versatility and performance capability:

- Mechanical and plant engineering
- Metalworking industry
- Automobile production and suppliers
- Pharmaceutical industry
- Food, beverage and tobacco industries
- Trade and services sector
- Plastics and rubber industry
- Paper production and processing

For more information, go to the reference center:

[➤ siemens.com/scada-references](https://www.siemens.com/scada-references)

Find out more:

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**SIMATIC WinCC Professional –
the SCADA system inside TIA Portal:**

- **Efficiency in engineering**
- **Scalable to cover increasing demands**
- **Innovative through mobile SCADA**
- **Open for simple integration**



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More information:

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