

A milestone for efficient  
configuring.

SIMATIC WinCC flexible – the new software generation.

**simatic hmi**

[www.siemens.com/wincc-flexible](http://www.siemens.com/wincc-flexible)

**SIEMENS**

# Select future compatibility ...

Technological progress cannot be held back: what was state-of-the-art yesterday can already be surpassed today. The best example: SIMATIC ProTool. This engineering software has been proven in practice for many years, but could only be expanded to a limited extent – and therefore subsequently reached its limits.

For this reason, Siemens, the global leader in HMI systems, reacted and developed SIMATIC WinCC flexible. This innovative engineering software is not just a successor to SIMATIC ProTool: it is the technological backbone of the SIMATIC HMI software for the future.

## The uniform software solution for all HMI applications

From now on, you only require one engineering software for all your HMI applications for the process level for machines and plant construction: SIMATIC WinCC flexible. Our pioneering software makes engineering extremely simple, allows panel operation and diagnostics over the Web, and permits the retention of the highest quality standards through specific support of validation procedures. SIMATIC WinCC flexible is scalable for all applications. Whether for operation and monitoring directly on the machine or for host supervisory tasks, whether for the smallest Micro Panel or for solutions on a PC: with the new software generation you will always be able to profit along the complete line.

Convince yourself – at  
[www.siemens.com/wincc-flexible-easy](http://www.siemens.com/wincc-flexible-easy)

## Highlights

- For flexible use at the machine and process levels in all industrial sectors as well as worldwide – thanks to multilingual software and projects
- Maximum configuring efficiency – e.g. through simple and convenient GUI, intelligent tools, convenient search and replace functions, simple handling of graphics and faceplates
- Innovative HMI and automation concepts: plant-wide access to process values and displays, distributed operator stations, networking of autonomous production cells, local control room solutions, and interfacing to the office world
- Servicing and diagnostics over the Web: HMI, diagnostics, and automatic sending of e-mails
- Support of validation procedures during engineering and runtime: tracing of production processes using audit trails, versioning and user administration
- Safeguarding of investments and the provision of a secure future thanks to compatibility of projects from the SIMATIC ProTool range

# ... and minimum configuring requirements.

Configuring with WinCC flexible is simple and fast. You can create a complete project with just a few inputs. Appropriate editors support you during the execution of all configuring steps. SIMATIC WinCC flexible is the HMI software for future-compatible automation concepts at the machine level – with all functionalities for maximum configuring efficiency.

## 1 Convenient GUI

The very clear GUI allows fast and specific access to HMI objects, and can be adapted to your personal requirements very easily. Your working environment comprises several elements, some of which are linked to specific editors – and are only visible when the appropriate editor is active.

## 2 Multilingual

The language of the configuring GUI can be changed during use. You can create multilingual programs – with up to 32 languages, up to 16 of which you can download and switch over online depending on the target system. In order to translate an application into other languages, simply use dictionaries with automatic text translations!

## 3 Mass data processing

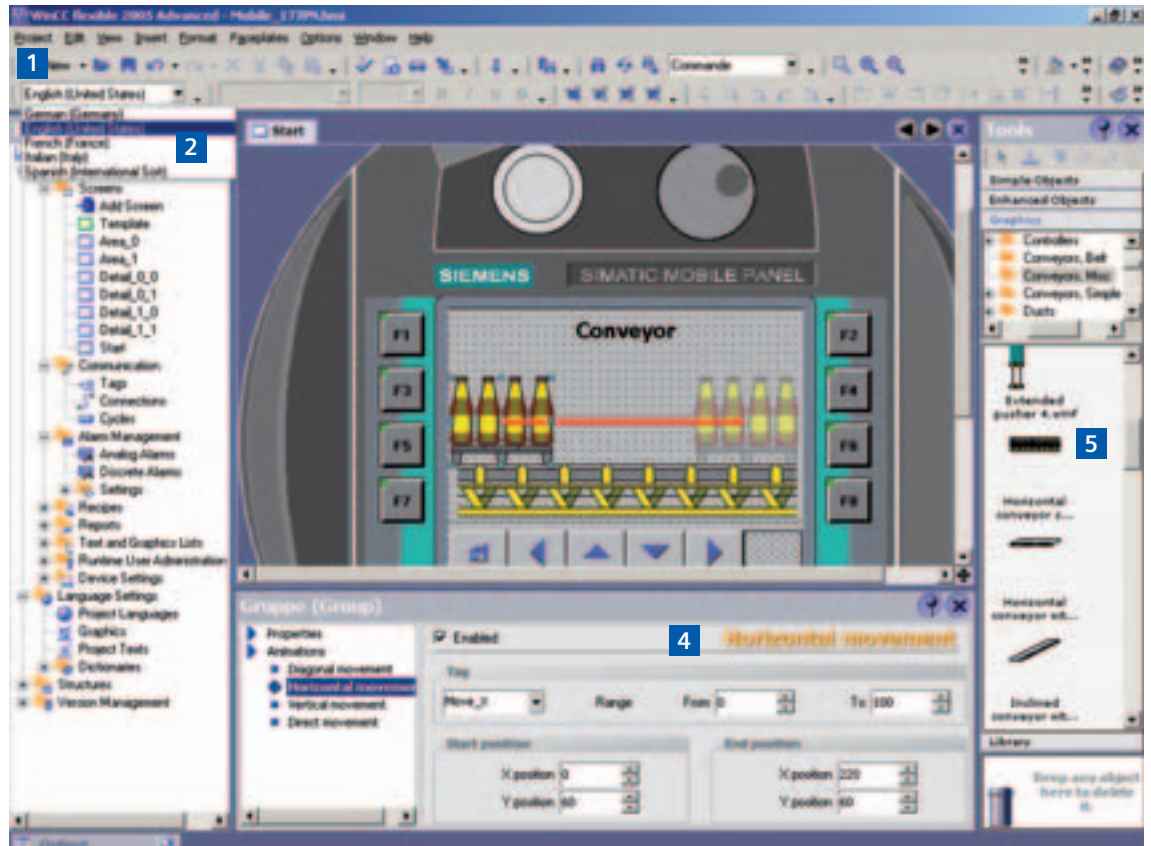
Parallel creation and editing of several objects (e.g. variables) can be carried out in the shortest possible time and without multiple steps thanks to the mass data processing. You can create new elements quickly and easily in a format comparable to MS Excel.

## 4 Motion paths

Process sequences can be easily implemented by using just a few clear, graphical steps, as can the linking to their variables.

## 5 Libraries and graphics

Special libraries provide you with pre-configured objects which you can reuse without reconfiguring. Of course, you can also define new library objects yourself. A graphics browser allows simple integration of graphics with different formats – simply by drag & drop. Scaling is carried out automatically.



## 6 Display hierarchy

The display hierarchy provides you with an excellent overview of the entire project. The clear navigation structure also accelerates the creation of direct connections between process displays – as does the automatic generation of display selection keys.

## 7 Faceplates

You can configure and edit these from a central point using an editor with the same name. Preconfigured object groups can be compiled specific to a project from any display objects and used repeatedly. If you edit a faceplate, the modifications are automatically implemented throughout the project.

## 8 Visual Basic scripting

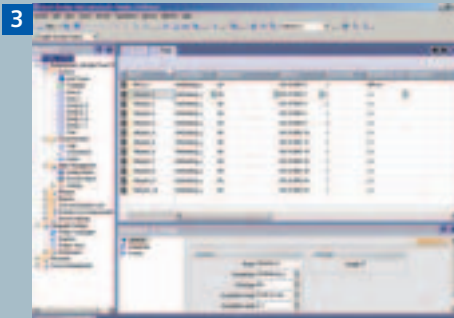
Using predefined system functions, you can solve many tasks during runtime without programming knowledge. VB scripting is available for more complex requirements. VB scripting allows access to parts of the project data (objects) during runtime, and is available for Panels of the 270 range and above and for WinCC flexible Runtime for PCs.

## 9 Totally Integrated Automation

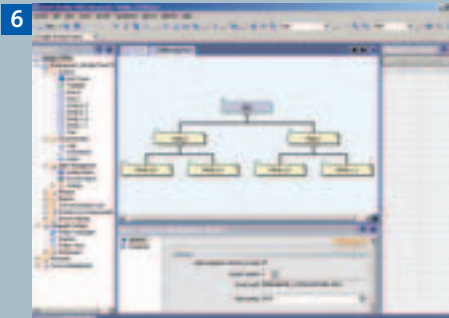
SIMATIC WinCC flexible is a part of Totally Integrated Automation (TIA). TIA supports uniform configuration, programming, data management and communication as well as integrated system and process diagnostics – significantly reducing lifecycle costs with a high degree of

investment safeguarding.

You can integrate SIMATIC WinCC flexible into STEP 7. The SIMATIC Manager then serves as the central point for creating, editing and administering the SIMATIC PLCs and the HMI devices. You can use the SIMATIC Manager to access all objects in WinCC flexible.



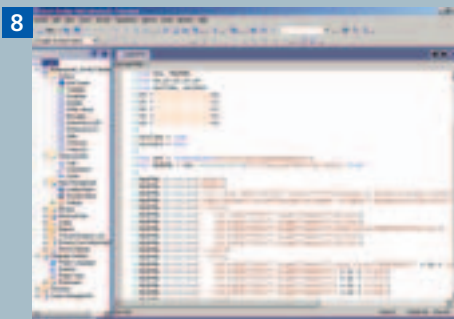
Mass data processing



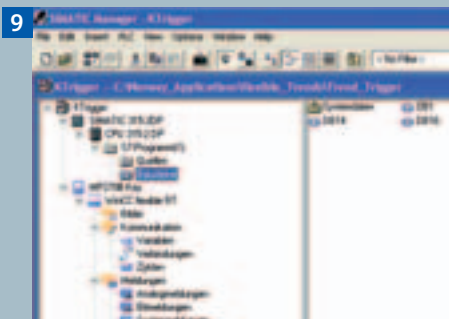
Display hierarchy



Faceplates



Visual Basic scripting



Totally Integrated Automation

## ... and innovative concepts ...

If necessary, you can specifically expand SIMATIC WinCC flexible by innovative options at any time. For example, they can allow for plant-wide access to process values. Or they can provide a significant increase in availability – through pioneering servicing and diagnostics facilities.

### Plant-wide access to process values

The WinCC flexible/Sm@rtAccess option allows operator panels to communicate with each other over Ethernet. This permits plant-wide access to current process values and the local displays of the stations involved, or also the establishment of distributed operator stations or small, central control rooms in which the data can be archived centrally or evaluated and displayed using standard office applications.

### Servicing and diagnostics via the Web

The WinCC flexible/Sm@rtService option allows remote access to your operator panels and PCs – from any commercially available PC with a standard browser. Further advantages: event-controlled sending of e-mails and SMSs to service personnel, as well as service and maintenance functions over the Internet.

### Traceability and validation

Our answer to continuously increasing quality demands which require compliance: the Audit and Change Control options. User administration together with recording of operator inputs in audit trails (including electronic signature) help you in this regard. In addition, you can assign versions to your projects when engineering, and trace modifications. WinCC flexible supports compliance with

statutory requirements for traceability in accordance with EU 178/2002 and validation in accordance with 21 CFR Part 11 – also in the panel segment!

### High degree of investment protection

Compatibility as well as conversion facilities guarantee a high degree of investment protection: with Windows-based devices, you can import ProTool and ProTool/Pro projects (version 5.2 and higher) extremely simply: download the new engineering software, and modify or expand as required. You can also convert existing projects for text panels or older graphic devices to an appropriate Windows-CE-based system and then modify or add as you need.



# www.siemens.com/wincc-flexible-easy: Configuring can be so simple and efficient today.

SIMATIC WinCC flexible simply brings you faster to your goal. The innovative software generation sets new standards with regard to efficiency, flexibility and well-thought-out functionalities. Get into the picture with SIMATIC WinCC flexible and the possibilities offered by our pioneering engineering software. And see for yourself – live – how simple, intuitive and efficient configuring can be – on the Internet at [www.siemens.com/wincc-flexible-easy](http://www.siemens.com/wincc-flexible-easy).

This is where you can find valuable information on WinCC flexible – a milestone for efficient programming.

- **Discover configuring efficiency!**  
SIMATIC WinCC flexible offers a wide range of highlights.
- **Experience configuring efficiency!**  
Short Flash films show how efficient SIMATIC WinCC flexible makes configuring – step-by-step.
- **Train configuring efficiency!**  
Take your first steps toward successful application of SIMATIC WinCC flexible – with extracts from our Web-based training of SITRAIN. At the same time you can also view our comprehensive range of training courses.
- **Get to know configuring efficiency!**  
Download further information material: migration manuals, Getting started, trial DVDs etc.
- **Prove the configuring efficiency!**  
Convince yourself of the advantages offered by SIMATIC WinCC flexible in practice – by means of references.
- **Understand configuring efficiency!**  
We answer the most frequent questions concerning SIMATIC WinCC flexible, and provide valuable professional tips for advanced users.

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