

VisiWin7

UNLIMITED HMI
POSSIBILITIES



AN HMI SOFTWARE FOR ALL DEVICES

ABOUT VISIWIN

HMI/SCADA PROCESS VISUALIZATION

From simple HMIs to complex SCADA applications: VisiWin creates ultra-modern operator interfaces controlling stand-alone machines or whole production lines and can be used in any industrial sector.

You can combine large monitors with compact operator panels or multi-monitor solutions with mobile devices – the possibilities are plentiful.

YOU SET YOUR OWN LIMITS!

THE PERFECT COMBINATION OF COMPLETE OPENNESS AND CONFIGURABLE RANGE OF FUNCTIONS MAKES EVERYTHING POSSIBLE. IN VISIWIN, ALL FEATURES OF A CLASSIC HMI SOFTWARE ARE PAIRED WITH INFINITE PROGRAMMING POSSIBILITIES AND THE BEST TOOLS AVAILABLE ON THE MARKET.

You don't want to do anything complicated and the tool shouldn't be complicated either? Just use our VisiWin ready-made components and the numerous approved functions!

You can't wait to finally break through the boundaries of conventional tools and to build a user interface that really gives you a competitive edge? VisiWin is what you are looking for!

VisiWin is an open tool with an extensive range of features and the right solution for small and big tasks. Working smoothly with Microsoft Visual Studio and Blend, VisiWin opens up possibilities that users of proprietary tools can only dream of. Try and see!



OPENNESS

UNLIMITED POSSIBILITIES WITH OUR COMPLETELY OPEN ARCHITECTURE: YOU CAN WORK IN VISUAL STUDIO AND BLEND USING C#, VB, AND XAML COMBINED WITH .NET, WPF, AND HTML5 TECHNOLOGIES. WITH EXTENSIBLE FUNCTIONS AND STANDARD FILE FORMATS, YOU CAN DO JUST ABOUT ANYTHING.

You want to integrate custom elements into your HMI application, display an online spare parts catalog or create a VisiWin project "at the push of a button"? No problem! VisiWin can integrate almost anything you want and, more importantly, anything that makes your HMI really good.

It helps to create a unique HMI if so desired, both in terms of functionality and design!

SOPHISTICATED LOGIC WITH VISUAL STUDIO

Statistics, databases, mathematical operations, integration of third-party components, or even specific interactions with the user interface – the list of technical requirements for modern user interfaces is lengthy. To face the challenge, a proven champion enters the ring: Microsoft Visual Studio can seamlessly be integrated with VisiWin.

EXCELLENT GRAPHICS WITH WPF

From individual buttons through custom

theming up to a complete HMI in your corporate design including custom buttons, navigation elements, and high-quality images. There is a specialist for that: Blend for Microsoft Visual Studio.

VISUAL STUDIO/BLEND: SEAMLESS INTEGRATION WITH VISIWIN SINCE ALL THREE TOOLS USE THE SAME PROJECT WITH IDENTICAL FILES AND FOLDERS.

Is this going to far for you? No problem. VisiWin offers a wide range of configurable functions that allow you to create a competitive operator interface for you machines with a minimum of work.

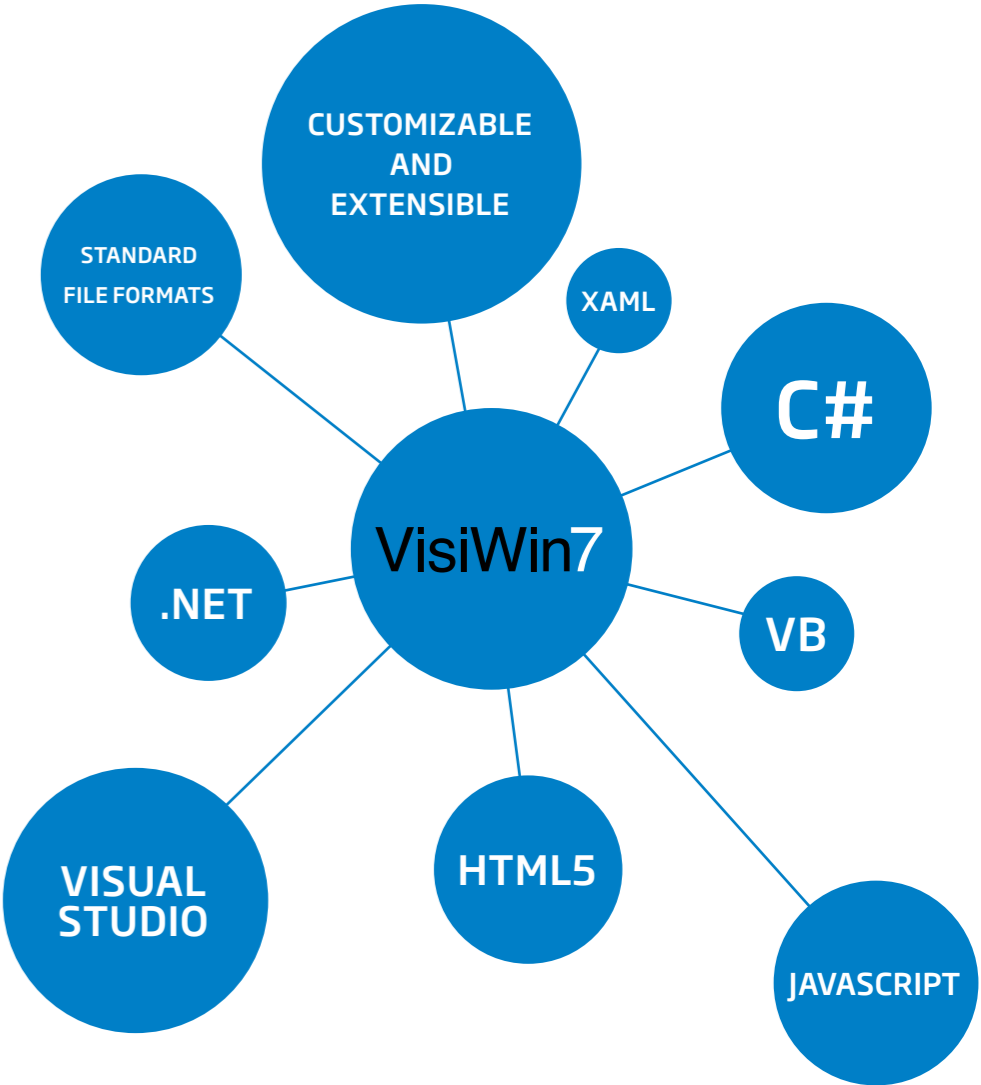
>>>>> MORE INFORMATION >>>>>

The VisiWin Principle
inosoft.com/en/visiwin-principle

Process Communication
inosoft.com/en/process-comm

Design
inosoft.com/en/design

UNIQUELY OPEN ARCHITECTURE



UI TECHNOLOGIES FOR VARIOUS APPLICATION SCENARIOS

VISIWIN MODERN UI – EXCELLENT GRAPHICS

MODERN UI IS THE TOOL OF CHOICE FOR GRAPHICALLY DEMANDING PROJECTS.

Transparency effects, custom UI elements, 3D images and animation – with VisiWin Modern UI everything is possible. Based on

WPF, Modern UI uses DirectX to visualize contents written in XAML. Top quality and optimal utilization of the graphics capabilities of modern computers is guaranteed!

Modern UI strictly separates functionality and design. Both can be edited on their own without one influencing the other. For sophisticated user interfaces, state-of-the-art

input technology is a must. For VisiWin Modern UI, gesture control on multi-touch monitors is a matter of course!

- WPF
- 3D and animation
- Styling and theming
- User and custom controls
- OPC UA
- All customary controllers
- MVVM
- Object-oriented
- Multi-protocol access
- High-end graphics
- Multi-touch & gestures



>>>>> MORE INFORMATION >>>>>

Architecture
inosoft.com/en/architecture

VISIWIN WEB UI – THE MOBILE SOLUTION

KEY TAKEAWAYS: THE VISIWIN SOLUTION FOR MOBILE DEVICES TAKES YOUR HMI INTO THE BROWSER ON TABLETS AND SMARTPHONES USING STATE-OF-THE-ART HTML5 TECHNOLOGY.

When people need to be mobile while working, they also need to stay informed wherever they are.

VisiWin has been doing its job reliably as a human-machine interface for three decades now. It enables operation, monitoring, supervision, logging, and more on industrial PCs and (multi-)touch panels.

The system is now rounded off by support for mobile devices.

Based on the latest browser-based HTML5 technology, the mobile VisiWin client supports almost all current smartphones and tablets!

- Responsive design
- Web sockets
- Style guide
- CSS
- Templates

CROSS-PLATFORM

INCREASED FLEXIBILITY FOR MACHINE MANUFACTURERS: VISIWIN CROSS-PLATFORM HMI INCLUDING AN APP FOR DOCKER & CO.

A platform-independent variant of the powerful VisiWin Runtime system is now available. The VisiWin 7 Cross-Platform Runtime allows to run VisiWin 7 server projects and VisiWin 7 Web UI projects on any Windows or Linux-based automation device.

This makes VisiWin a fully hardware-independent system that allows machine manufacturers to switch to deliverable products in case of short-term supply bottlenecks.

Thanks to VisiWin, you are immediately able to meet your delivery targets again!

VISIWIN ENABLES HARDWARE INDEPENDENCE IN CASE OF SHORTAGES

What works for consumer end devices should work for the industrial market, too: Apps running in a container directly on a PLC or edge device either under Windows or Linux. The app is installed from an app store.

This is easily possible since containers are stand-alone, executable software packages that contain everything needed to run the app. These software packages are always executed in the exact same way regardless of the infrastructure. In practical terms, this

means that in future, machine manufacturers will have more options when choosing components for their machines since these components can work smoothly together thanks to container apps. That's why having decided in favor of a certain PLC, your choice of software is not inevitably limited the HMI software provided by the manufacturer of the PLC.

Docker is the market-leading technology for such apps. The VisiWin Runtime is already available on Docker Hub, in the NUPANO Open Automation Platform and in the FLECS Marketplace, with further apps for other container formats and app stores currently being prepared at INOSOFT.

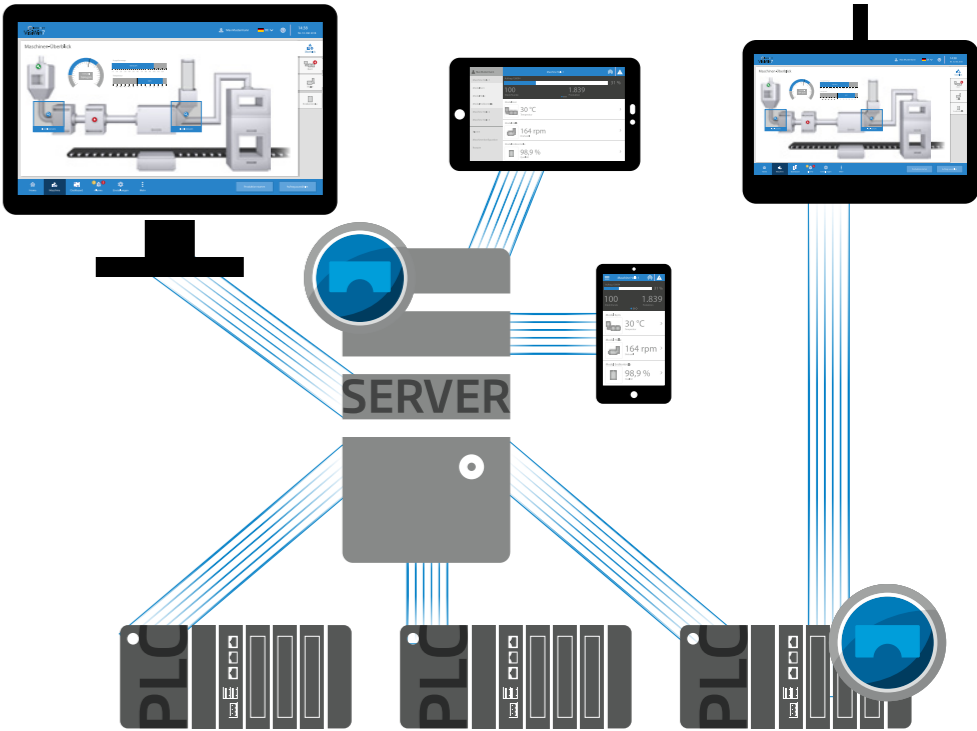
HMI projects are engineered and designed in the VisiWin IDE, which combines complete openness and a configurable range of functions. Automation specialists don't have to decide between the two opposite concepts – the seamless integration of Visual Studio and the use of C# and JavaScript on the one hand and a construction kit bursting with parameterizable system functions on the other – they can combine elements of both.

The HMI project developed in the IDE is loaded into the app installed on the PLC. Thanks to its responsive design, the HMI project adapts itself to the device it is displayed on.

THE NEW VISIWIN CROSS-PLATFORM RUNTIME

>>>>> MORE INFORMATION >>>>>

Cross-Platform
inosoft.com/en/cross



COUNTLESS PARAMETERIZABLE SYSTEM FUNCTIONS



SCOPE OF FUNCTIONS

WITH ITS HUGE AMOUNT OF CONFIGURABLE SYSTEM FUNCTIONS AND CONTROLS, VISIWIN SUPPORTS USERS WITH ALL TASKS. THE COLLABORATIVE ENGINEERING CONCEPT ENHANCES TEAMWORK AND ENABLES GREATER EFFICIENCY IN THE USE OF RESOURCES.

Process communication, language switching, alarm management, recipe management, trend recording, user management, logging, reporting, UI design – VisiWin's extensive range of functions leaves little to be desired.

PROCESS COMMUNICATION

The VisiWin communication drivers feature optimal performance, stability, and diagnostic functions for all well-known controllers.

LANGUAGE SWITCHING

An application may include various languages, fonts, and measurement units that can be switched at runtime.

ALARM MANAGEMENT

The VisiWin alarm system allows to recognize critical machine states and to react to them.

RECIPE MANAGEMENT

Supports combination of set values into recipes as well as hierarchical recipes and

process variables.

TREND RECORDING

The VisiWin trend system allows to record process variables chronologically and to configure the display of recorded data.

USER MANAGEMENT

Allows to manage rights/levels, passwords, and log-in options (touch/remote maintenance dialogs, RFID interface/card reader).

LOGGING

The logging system records system events, custom events, and disturbances in a forgery-proof manner.

ENGINEERING

TO DEVELOP A FUNCTIONING HMI, IDEAS AND DRAFTS MUST BE IMPLEMENTED FIRST. THE COMMAND CENTER FOR THIS PROCESS IS THE VISIWIN DEVELOPMENT ENVIRONMENT.

The basic components of an HMI application are screen masks, the logic, and definitions of various types. VisiWin users edit their projects in a modern environment with docking windows and menu bars. A powerful graphical editor, property pages, document outline views, and a modern source code editor (C#, VB, and XAML) are included.

The VisiWin modularization concept allows to create and maintain partial projects that can be wrapped and versioned for later reuse as pre-built modules in the final HMIs.

MICROSOFT VISUAL STUDIO/BLEND

And that's not all. The VisiWin development environment itself and the projects created with it are compatible with the Microsoft development tools Visual Studio and Blend for Visual Studio.

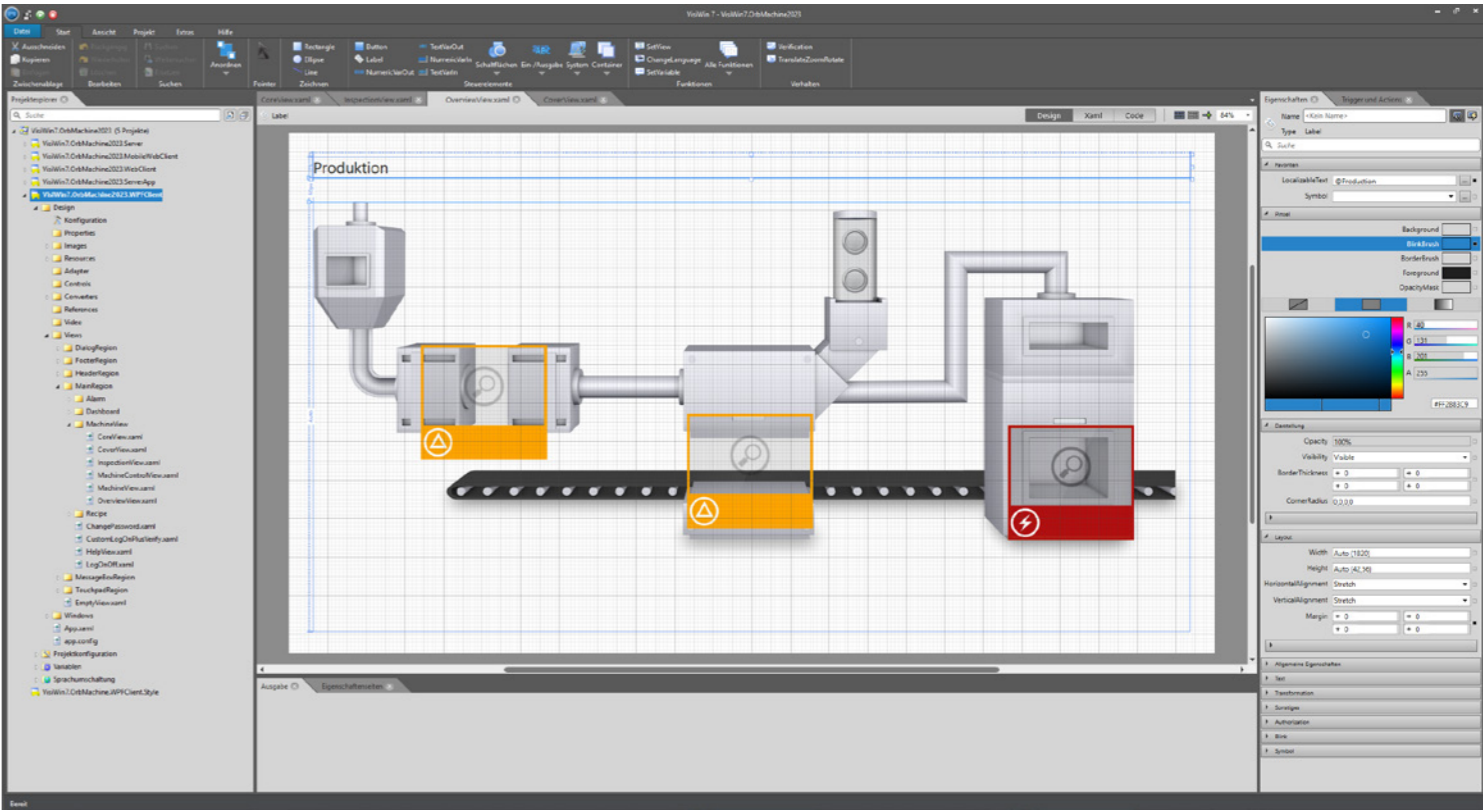
>>>>> MORE INFORMATION >>>>>

Engineering &
Collaborative Engineering Concept
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Architecture
inosoft.com/en/architecture

Modularization
inosoft.com/en/modularization

PROFESSIONAL DEVELOPMENT ENVIRONMENT

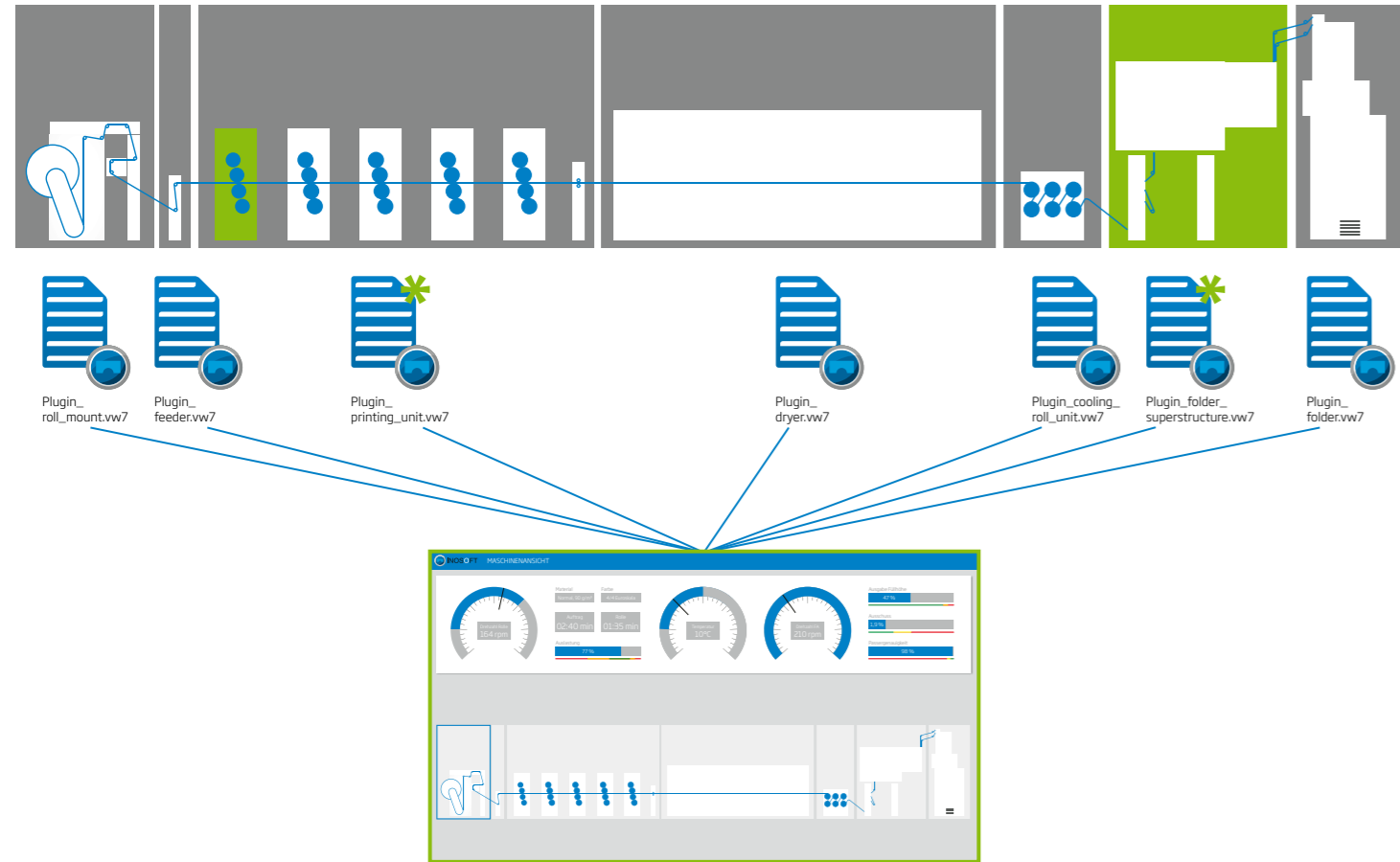


>>>>> MORE INFORMATION >>>>>

Functionalities
inosoft.com/en/functionalities

Process Communication
inosoft.com/en/process-comm

HIGH EFFECTIVENESS IN ENGINEERING SAVES TIME AND COSTS



COST-EFFECTIVENESS

BY DEVELOPING MODULAR, CUSTOMIZED, REUSABLE COMPONENTS, OUR CLIENTS SAVE TIME AND MONEY.

The VisiWin modularization concept allows to create and maintain partial projects that can be wrapped and versioned for later re-use as pre-built modules in the final HMIs. This reduces engineering and maintenance costs while minimizing error causes. Project-specific modules may also include custom functions.

The initially high investments for the identification of modules and the definition of interfaces pay off quickly due to shorter lead times for projects and the excellent quality of tested and maintained modules.

>>>>> MORE INFORMATION >>>>>

Modularization
inosoft.com/en/modularization

Engineering &
Collaborative Engineering Concept
inosoft.com/en/engineering

STYLE GUARANTEE

TRANSLATE YOUR STYLE GUIDE INTO REALITY WITH VISIWIN – WITH NO IFS, ANDS, OR BUTS.

Even professional designers are amazed by VisiWin's capabilities to recreate anything they have devised, down to the finest details! VisiWin's superior graphics API makes your design dreams come true on an industrial monitor.

An excellent user interface emphasizes the high quality and technological superiority of your machines and facilities.

MAKE NO COMPROMISES! THE FULL POTENTIAL OF YOUR DESIGN IMPLEMENTED WITH VISIWIN

The consistent separation of logic and design as well as the seamless integration of Visual Studio/Blend allow to implement just about anything your style guide requires.

Multi-touch, gesture control, WPF/DirectX, 2D/3D graphics, customizable style, and theming – the sky's the limit.

Custom navigation concepts: Swiping in the panorama control on multi-touch screens, automatic page switching depending on the operating mode or the current user, configurable and dynamic navigation, automatic creation of navigation depending on the options built into the machine – all these fea-

tures have been implemented with VisiWin in real projects by our clients.

AWARD-WINNING HMIS BASED ON VISIWIN

Whether iF Design Award, Red Dot Award, or German Design Award – VisiWin-based HMIs enthrall even the juries of renowned design awards.

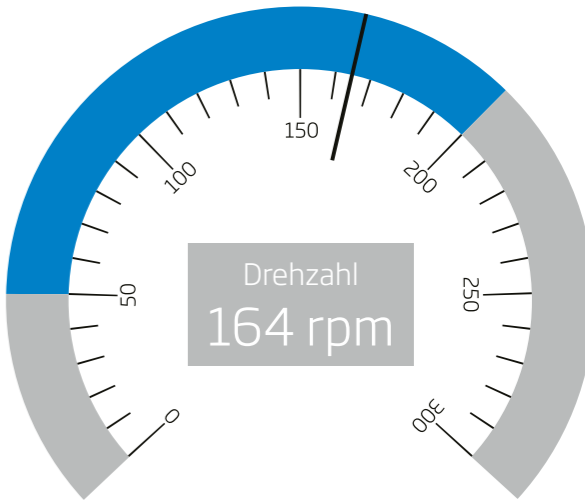
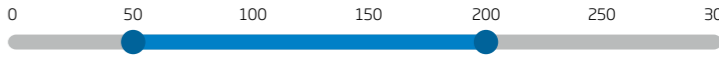
Due to their sophisticated UX design and professional style guides, some of our customers won various prizes for their operator interfaces in the recent years.

The exact and uncompromised implementation of style guides is only possible thanks to VisiWin's uniquely open architecture and integration into Visual Studio/Blend.

>>>>> MORE INFORMATION >>>>>

Design
inosoft.com/en/design

USABILITY, FIRST-CLASS DESIGN & INDIVIDUALITY



WE HELP YOU FIND SOLUTIONS



ASSISTANCE

MADE-TO-MEASURE TRAINING COURSES
AND PROJECT SUPPORT – WE ASSIST YOU
IN FINDING SOLUTIONS.

Whether you are a beginner or an expert, our training courses are always tailored to your specific needs and wishes. We will gladly adapt the training course to your concrete project and develop basics as well as specific requirements for that. Time and location will be arranged according to your wishes – we prepare each training course individually for the customer.

We also assist you in any area and at any phase of your project that uses our systems. From driver development, project collaboration, and support to turn-key applications, we can provide the full spectrum of services.

>>>>> MORE INFORMATION >>>>>

Support
inosoft.com/en/support

Training Courses
inosoft.com/en/training-courses

Programming
inosoft.com/en/programming

DECADES OF EXPERI- ENCE

MORE THAN 200,000 APPLICATIONS HAVE
ALREADY BEEN IMPLEMENTED BY KEY
PLAYERS IN THE INDUSTRY SUCH AS KRO-
NES, LENZE, KEBA, AND BÜHLER.

As a software developing company with a focus on process visualization for the engineering industry, we have been successfully operating on the market for 40 years.

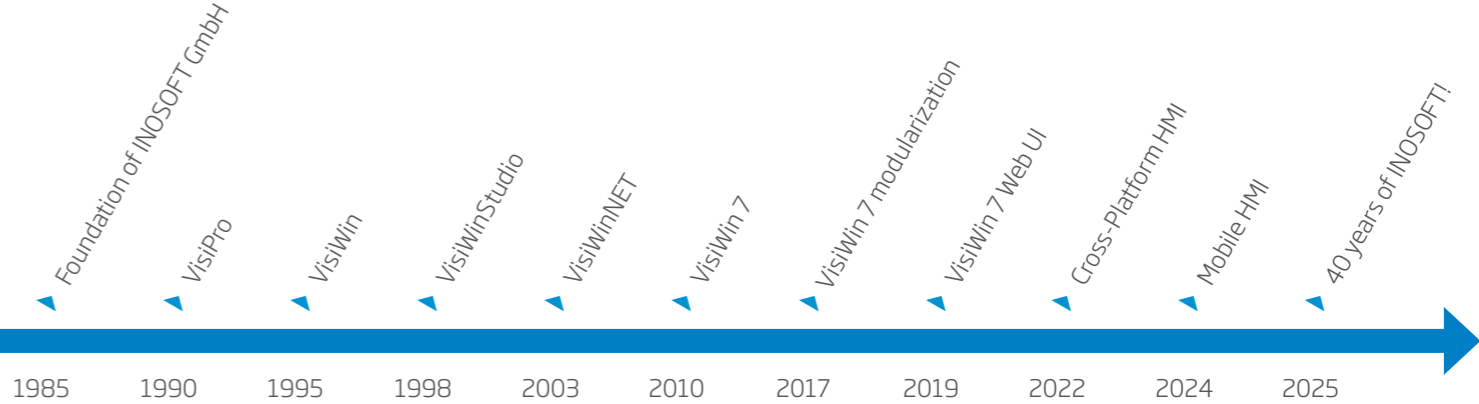
We offer a complete package that includes the powerful HMI software VisiWin, decades of experience as well as individual support and turn-key applications.

VisiWin relies on open solutions based on standards thus providing you with unlimited HMI possibilities.

A STRONG AND RELIABLE PARTNER, INO-
SOFT OFFERS THE FULL SPECTRUM OF
SOLUTIONS, RANGING FROM MACHINE-ORI-
ENTED HMIS TO COMPLEX SCADA APPLICA-
TIONS.

A few of our clients are presented on the rear page of this brochure.

40 YEARS OF INOSOFT



OUR FOCUS TOPICS

- Platform independency
- Scalability
- Communications
- Data analysis
- Smart engineering

>>>>> MORE INFORMATION >>>>>

About INOSOFT
inosoft.com/en/about

Compliance
inosoft.com/en/compliance

There is a reason why innovation is in our name: Always up to date with the latest developments on the machine construction market, we are constantly developing our software further – often in close collaboration with our customers.

Innovation and future-proofness have been our hallmarks for

40 years. Our ability to deliver on them has never changed.



COOPERATIONS AND PARTNERSHIPS

LENZE SE
KEBA GROUP AG
CORDIS SUITE B. V.
HST SYSTEMTECHNIK GMBH & CO. KG
FLECS TECHNOLOGIES GMBH
LOGONPLUS/OBION GMBH
TRANSACTION-NETWORK GMBH

ERGOSIGN GMBH
UXMA GMBH & CO. KG
INFOTEAM SOFTWARE AG
NEUSTA INFOMANTIS GMBH

PROFESSIONAL DESIGNERS AND SOFTWARE DEVELOPER ARE AMAZED BY VISIWIN'S CAPABILITIES.

Our renowned technology partners trust in VisiWin and equip their products with it.

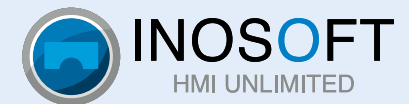
Many UX designers and system integrators recommend VisiWin and support their and our customers in their projects.

Partner
inosoft.com/en/partner

A FEW OF OUR CLIENTS



>>>>> MORE INFORMATION >>>>> Our clients inosoft.com/en/references



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