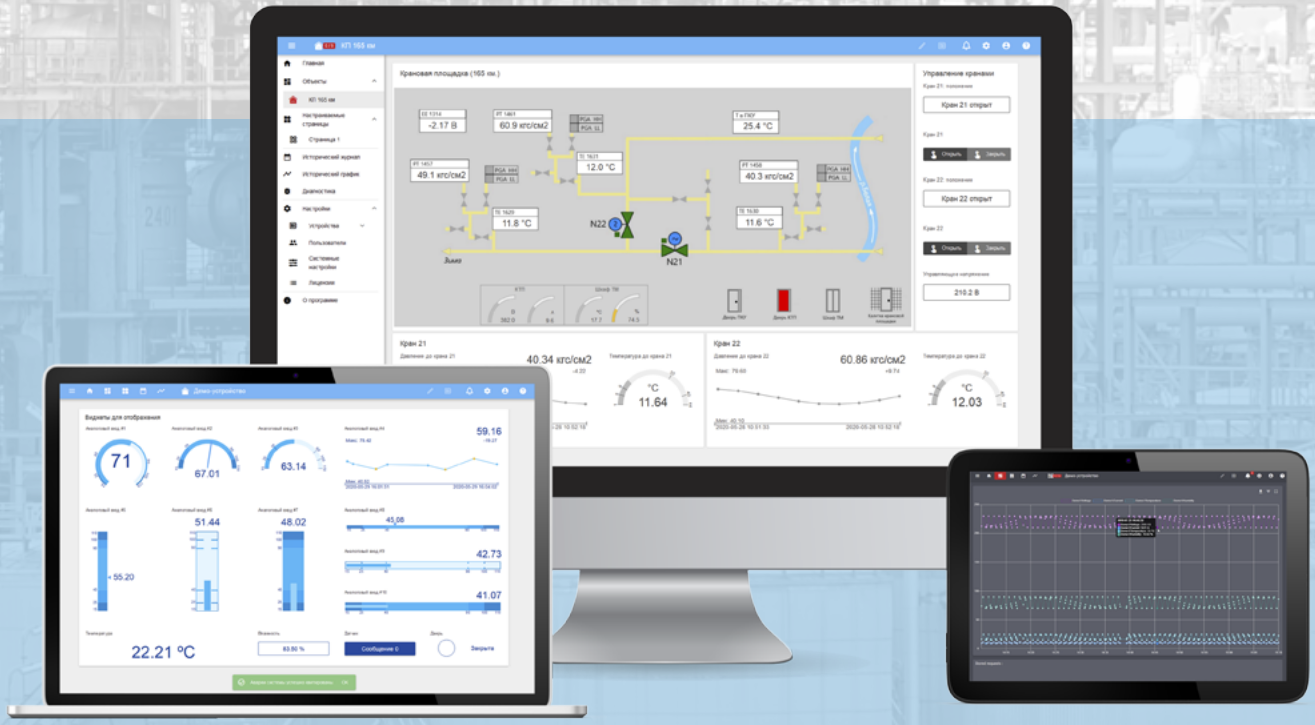
SmartICS

DIFFERENT APPROACH AND NEW OPPORTUNITIES FOR SYSTEM INTEGRATORS

SmartICS is a flexible and universal SCADA/ IIoT software platform for building the professional manufacturing automation and industrial IoT systems. It is configured without coding and scripting using the automated widget library, based on Plug & Play technology, and Drag &
Drop tool.



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WHAT ARE THE KEY FEATURES OF SMARTICS?

Developing SmartICS, we created a really user-friendly platform for automating various facilities that our customers and ourselves needed when implementing system integration projects.

We always wanted to significantly reduce the system development time. We wanted to minimize setup errors and simplify the process of creating and adapting the interface for different tasks and different users too. Finally, we just wanted to provide end-users with really convenient and easy access to important technological information.

There have been so-called “builders” in the field of the Internet web sites and applications for a long time that allow you to create and run a website or service your own hand quickly and cheaply, without programming and scripting.

And we thought it would be great to have a similar tool for creating

top-level projects for industrial automation systems.

This is how SmartICS was invented – the first “builder” for visualization systems, an universal and flexible SCADA/IIoT software platform for manufacturing automation systems and industrial IoT.

SmartICS software platform developed based on modern web technologies and has the automated interface builder and the built-in widget library to automatically create the user interface and visualization panels. The interface creation and configuration is performed using a simple Drag & Drop principle and Plug & Play technology. This allows you to create a single information space of the enterprise without coding and scripting.

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Elcomplus is an international IT company, developer and integrator of technological communication systems, industrial automation and manufacturing digitalization.

26 years on the market

250 employees

5 offices in Russia and the USA

89 countries of distribution

APPLICATIONS

INDUSTRIAL AUTOMATION (SCADA/HMI)

Automate technological processes at the entire manufacturing or some production site.

BUILDING MANAGEMENT SYSTEMS (BMS OR SMART BUILDING)

Create a smart building control center for electric, heat supply, security services, etc. by automation of engineering systems

INDUSTRIAL INTERNET OF THINGS (IIOT)

Make the industrial data more accessible and efficient by combining various units (sensors or equipment) into a single data exchange network

MANUFACTURING DIGITALIZATION

Improve the quality and efficiency of enterprise’s decisions making by implementation of digital technologies in operational activities.

DEVELOP AND SCALE YOUR INTEGRATOR BUSINESS WITH US

EVERY SYSTEM INTEGRATOR STRIVES TO:

- Use in his automation project a simple, convenient and reliable software platform that solves the customer's problems, works clearly and correctly, is easy to configure, has a modern and clear interface and allows him to offer his customers unique solutions with competitive advantages
- Avoid mistakes in the development, implementation and subsequent operation of the system by the customer and minimize repeated site visits and complex adjustments
- Minimize the cost of mastering new SCADA packages and training your developers
- Reduce the time and money spent on developing and implementing automation projects, which makes it possible to reduce costs and maximize profits
- Implement reliable and proven software in automation projects that is suitable for a wide range of end-user tasks

BY BECOMING OUR PARTNER, YOU CAN EASILY ACHIEVE ALL THESE GOALS!

WE HAVE A DIFFERENT APPROACH TO BUILDING AUTOMATION SYSTEMS!

LET'S COMPARE IT WITH THE TRADITIONAL ONE

Before you start developing top level software for automation systems and configuring an automation system based on a specific SCADA, you need to learn and master this software, if you have not worked with it before.

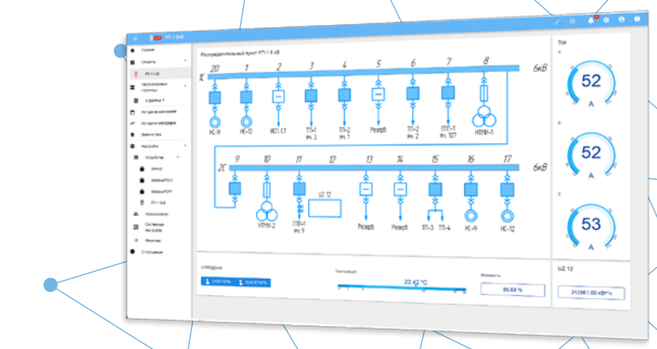
Traditional SCADAs	SmartICS
Experience with other SCADA systems is required	Experience with other SCADA systems is not required
Programmer qualification is required	No programming skills are required
You will be able to work with the system in 1-4 weeks	**You will be able to fully develop projects for automation systems based on our platform in 1-2 days**

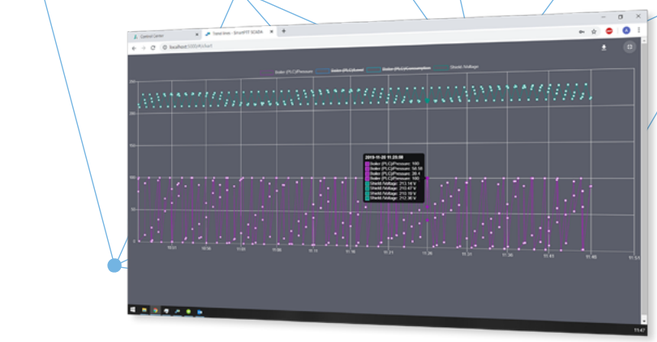
Based on our SmartICS platform, the development stage is significantly simplified and less time-consuming than in classic SCADA systems

WITH SMARTICS, YOU WILL DEVELOP A TOP-LEVEL AUTOMATED CONTROL SYSTEM PROJECTS 3-4 TIMES FASTER THAN WITH TRADITIONAL SCADAS

HOW?

Stages of development of a top level automated process control system project	Traditional SCADAs	SmartICS
1. CONFIGURING device connections, parameters, ranges, alarm limits, etc.	**5% OF THE PROJECT TIME**	**SIMILAR STAGE DURATION**
2 DEVELOPMENT OF TEMPLATES (typical project objects) for visualization of various types of monitored parameters and facilities	**25% OF THE PROJECT TIME** Creating templates in traditional SCADA systems is a laborious process. Mistakes may occur, because templates are created manually	**THE STAGE IS EXCLUDED** You don't need to create templates: SmartICS has a built-in automated widget library in accordance with Plug & Play technology
3 LINKING TEMPLATES AND TAGS Replicating templates, linking tags to template instances, creating the required set of memo pages	**35% OF THE PROJECT TIME** Performed manually Mistakes may occur	**TIME SAVING OF A PROJECT STAGE — 2-7 TIMES** You do not need to manually link tags and configure custom pages: when you add a new device, visualization pages are created automatically with all tags linked to the corresponding widgets
4 IMPLEMENTATION AND CONFIGURATION OF ADDITIONAL FUNCTIONALITY History, event log, graphs, etc. Configuring user roles and rights	**5% OF THE PROJECT TIME** Additional configuration takes time	**TIME SAVING OF A PROJECT STAGE — 2-3 TIMES** Additional functionality is loaded automatically, you only have to configure roles and user rights
5 TESTING Testing the system, correcting comments and errors, retesting	**30% OF THE PROJECT TIME** Developer experience is required Mistakes may occur Retesting after correcting comments and errors	**TIME SAVING OF A PROJECT STAGE — 3-6 TIMES** Due to the automated interface builder, full testing is not required: only the presence of all necessary system parameters is checked No errors occur Retesting is often not required
TOTAL	**100% OF THE AVERAGE TIME FOR AN AUTOMATION PROJECT DEVELOPMENT PROCESS**	**SAVING LABOR COSTS FOR THE DEVELOPMENT OF THE PROJECT AS A WHOLE — 3-4 TIMES**





WHAT ARE THE BENEFITS

of using our SmartICS platform and partnering with us?

REDUCED DEVELOPMENT AND IMPLEMENTATION TIME OF AN AUTOMATION PROJECT

The automated interface builder, which is at the heart of SmartICS, significantly reduces the development and implementation time of an automation project (by 3-4 times in comparison with classic SCADA systems). All you have to do is to interrogate controllers or third-party systems. And the interface for visualizing the collected parameters will be created automatically in a few clicks.

This minimizes errors that occur by connecting tags manually. Now you do not need to spend much time carefully testing.

Thus the project development with SmartICS is performed 3-4 times faster than with classic SCADA systems.

QUICK SELECTION OF THE REQUIRED CONFIGURATION AND DETERMINATION OF THE EXACT COST AT THE SYSTEM DESIGN STAGE

The SmartICS license price is calculated based not on the number of I/O signals, which may increase in the future, but on the number of interrogated units (PLC, RTU, meters, or other intelligent interface devices).

You don't need to know the number of connected tags at the system design stage , at the risk of not taking into account all the necessary tags or paying for extra ones. All you need to know is the number of connected devices.

And the first 10 devices are already included in the basic SmartICS license.

THE SYSTEM IS DEVELOPED WITHOUT PROGRAMMING AND SCRIPTING AND MASTERED IN A FEW DAYS

Mastering SmartICS takes on average of 1-2 days without special coding skills and experience with other SCADA-systems while you can master other SCADA-systems in 1-4 weeks having the same skills and experience.

Moreover, your employees do not need to complete a serious product training: a short introductory online course is enough.

If you still have any questions, our technical support specialists will always help you.

THE VALUE OF YOUR OFFER AND THE CHANCE TO WIN OVER COMPETITORS ARE INCREASED

Our special approach to software development based on the automated interface builder, visualization panels, and web technologies allows you to quickly, easily, and without programming create a single information space for industrial automation systems.

The speed of development, ease of further configuration using the Drag & Drop tool, Plug & Play technology and the absence of errors provided by SmartICS help to reduce the cost of your projects and increase the value of your services, making your offer more likely to be selected when compared with competitors.

LESS TIME FOR POST-SERVICE AND MAINTENANCE OF IMPLEMENTED PROJECTS

Back in the day to make any changes to the top level of automation systems or to connect additional devices, third-party systems, and even parameters, you had to spend time on software development and testing, and sometimes go to the site again. Now with SmartICS, most of these changes to the top level of automation systems can be made remotely and in a short time.

Moreover, most of the elements can be changed or added by the customer directly from the operator's user menu.

You will no longer have to waste additional time and incur losses due to numerous repeated site visits.

PROJECTS BECOME MORE PROFITABLE

The versatility of SmartICS is one of Its main advantages. Firstly, the platform is equally well suited to various industries and applications. SmartICS will help you solve customer problems in any of these areas: industrial automation, industrial Internet of Things (IIoT), manufacturing digitalization.

Secondly, SmartICS provides a single solution for the operator's and dispatcher's workstations, HMI panels, and for organizing a web portal. You will be able to remote access to data over the enterprise's local network and from mobile devices and configure it for various users: both for operating personnel and the top management.

As a result, you save time and development costs by using this one-stop solution. Therefore, you will increase the project profit as a whole.

HOW CAN YOU START WORKING WITH US NOW?

1. We can organize a presentation or webinar for you to find out more information about the features and benefits of our solution.
2. You can test our platform by installing a demo package or using the online access to a demo project based SmartICS. We are also ready to provide you with introductory training on working with the system.
3. Starting work on a specific project, we can arrange an online consultation for you, where we will determine the required for your tasks platform configuration, and the cost of the license.
4. We will help you create your first automation project based on SmartICS after purchasing the necessary license.
5. We provide technical support for our platform operation both during the project work and after its completion. You can always contact us with any questions, and our experts will answer and help you.

PARTNERSHIP WITH SmartICS

- **Increasing your order portfolio due to the technical features and advantages of the SmartICS software platform for the end customer**
- **Increasing the marginality of your projects by reducing their cost and implementation time**

INCREASING THE ECONOMIC EFFICIENCY OF YOUR BUSINESS