



The essential cross-platform HMI solution

a very cheap and powerful set of entirely configurable HMI development tools available for a wide range of applications.

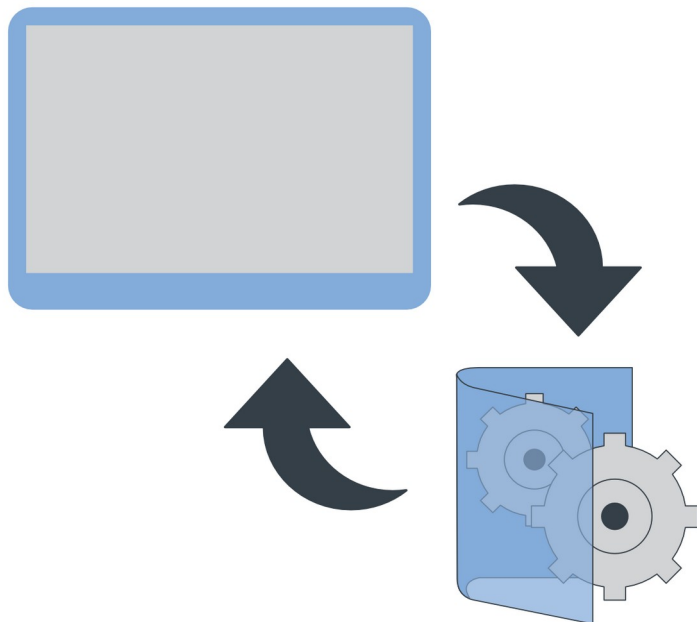
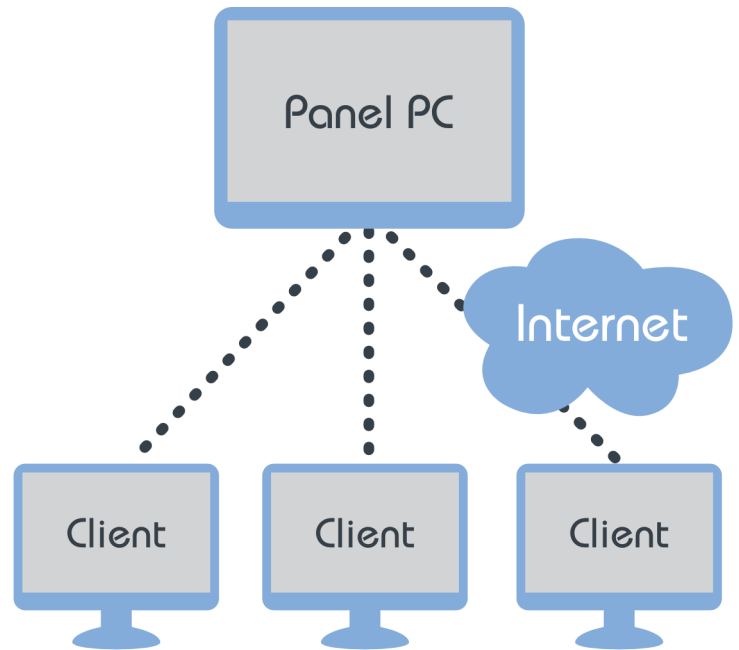
Thanks to eScada features you can choose the OS and the hardware that fits your needs, because it is an independent SW with a series of interesting properties.

eScada doesn't require any installation procedure nor compilation, because it is designed to be used on removable supports, without any dependencies with the OS.

Client Server architecture

TCP/IP sockets and Ethernet support guarantee a high level of connectivity, between eScada server component and several other eScada client components.

From everywhere in your company, or from a remote site, using a VPN, you can operate with your equipment as you were in front of it.



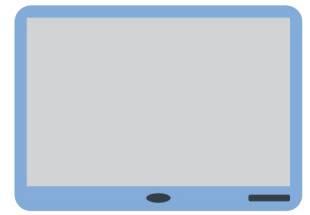
Recipes and HMI solution, easy backup and restore

Using easy HMI commands, you will be able to backup the entire HMI solution and recipes data.

It's very easy to create your own archive of recipes and restore them whenever you need it.

Your precious data regarding production parameters will be always in a safe place.

Replace a broken HMI solution in minutes not hours or days



OR



OR



The entire HMI solution available doesn't require any installation and is stored on a removable support.

In the event of disaster recovery, it is necessary to remove such media from the broken hardware and insert it in a spare part, or using any other laptop, desktop PC, or server PC in your company and you can continue to operate with your machine.

In the event of emergency, the OS version you are running is not of importance as you can run the HMI solution using other types of hardware and OS.

Cross platform HMI solution



Below is a wide range of OSs supported by eScada:

- All Microsoft server OSs from version 2008 R2 to version 2019, 32 bit or 64 bit
- All Microsoft desktop OSs from Windows 7 to Windows 10, 32 bit or 64 bit
- All Microsoft embedded OSs from Windows 7 to Windows 10 IoT Enterprise, 32 bit or 64 bit
- All modern Linux distributions or derived from it, 32 bit or 64 bit. Raspbian ready.

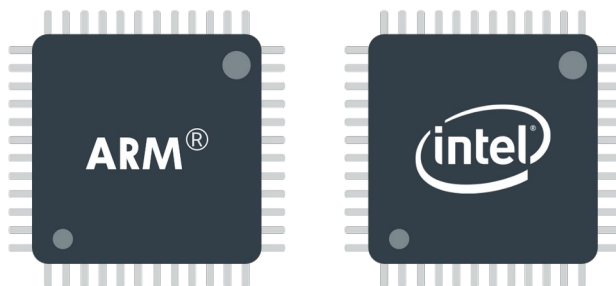
Remarks: *it doesn't require any kind of installation procedure nor compilation for anyone of them. Just copy a folder and start.*

Hardware architecture

Even the hardware architecture is your choice, the application binaries we can provide are available for Intel, Amd or Arm processors.

For ARM processors only Linux OS can be used.

Raspberry PI 3 Model B is fully supported.



Connectivity and Industry 4.0



Modbus Server TCP



Weihenstephan V8



OPC UA TCP



Hypertext Transfer Protocol

eScada permits to use several instances of common server protocols.

Currently Modbus Server TCP, Hypertext Transfer Protocol, OPC-UA (polling mode, no encryption) and Weihenstephan Standards for Production Data Acquisition are fully supported.

The implemented Weihenstephan physical interface is aligned to the Version 8 for bottling and packaging plants and machines of the food industry.

Dependently on the OS used it's possible to read and write data using the major database engines currently present on market, such as Microsoft SQL server, mySQL, Oracle and many others, using OleDb technology.



Multicultural environment



Nowadays in our companies there are a mix of cultures from all around the world.

Several languages are spoken and it is important to offer to the operators the opportunity to read the HMI interface using their own language.

Communication drivers

- Allen Bradley EIP	Ethernet	
- Allen Bradley PCCC	Ethernet	
- Allen Bradley DF1	Serial	
- Applicom	(Windows OSs only)	
- CAN Bus	USBTin	www.fischl.de/usbtin/
- General Electric SRTM	Ethernet	
- Kernel PLC TCP	Ethernet	
- Kernel PLC	Serial	
- Kunbus (Revolution Pi)	Direct I/O	https://revolution.kunbus.com
- LTI Servo One	Ethernet	
- Modbus TCP	Ethernet	
- Modbus RTU	Serial	
- OPCUA	Ethernet	TCP transport (no encryption)
- OMRON CMODE	Serial	
- OMRON FINS Serial	Serial	
- OMRON FINS TCP	Ethernet	
- OMRON EIP	Ethernet	
- SAIA Burges S-BUS	Serial	
- Siemens S7 protocol.	Ethernet	even for MPI to Ethernet adapters

Other kinds of communications drivers are works in progress and are not listed but in the event your device does not support any of the protocols listed above, do not hesitate to ask for its implementation.

We are very pleased to implement communication drivers on request.