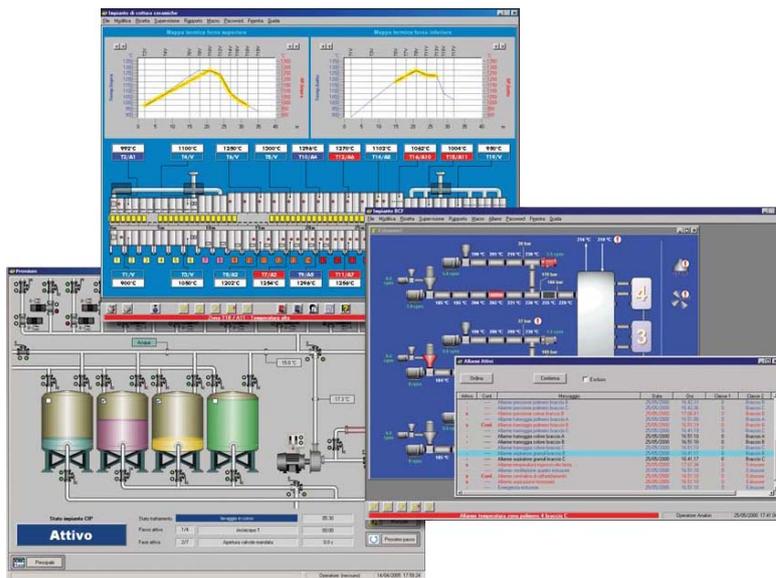




Winlog Pro SCADA / HMI Software

Simple, flexible and economical, Winlog Pro is a real-time SCADA software package for the supervision of industrial and civil plants.



- TCP/IP architecture and web solutions
- Integrated SCADA language
- Extensive driver library and OPC Interface
- Communication through fix or GSM / GPRS network
- History files accessible from Excel, Access etc
- Creation of reports for quality control
- Support and technical assistance

An integrated development environment provides different tools (Gate Builder, Template Builder, Code Builder) for the easy and intuitive creation of multilanguage applications. An extensive library of drivers and an OPC Client interface allow communication with most electronic devices such as PLCs, controllers, motor drives, i/o modules. Special functions can be developed and integrated directly by the user. The standard format (DBF, CSV) of history files and ODBC (SQL) support ensure interface with most Windows applications (Excel, Access, etc.).

Winlog Pro makes it possible to set up a distributed Client/Server architecture with TCP/IP protocol on Intranet/Internet or to create web applications accessible from a standard browser; both fix and mobile (GSM, GPRS) telephone network can be used to communicate with remote devices or to send SMS.

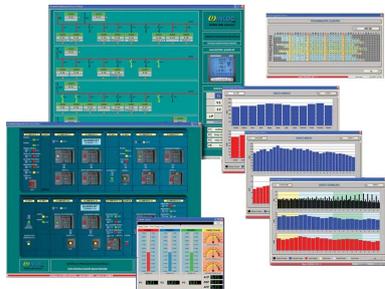
Winlog Pro is offered at a very competitive price, and is backed up by a personalised assistance service.

Systems Development Services

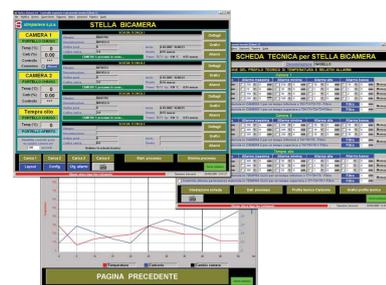
Winlog Pro is available for independent purchase or Pacific Data Systems can develop an integrated hardware / software solution for your application. With over thirty years experience in the development of integrated systems, we can source all necessary hardware, manufacture, program and install your next small to medium scale SCADA system.

Applications

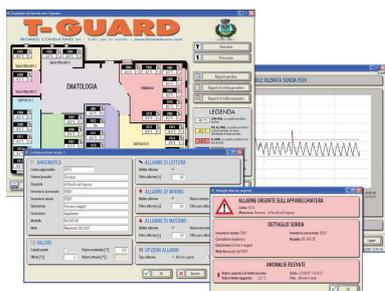
Below are some examples of how Winlog Pro has been used in a wide variety of applications.



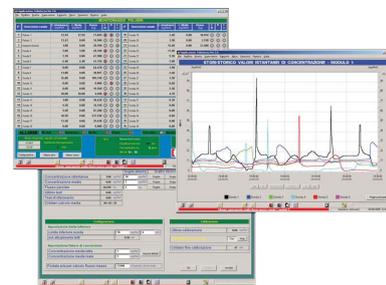
Monitoring of low and medium voltage networks



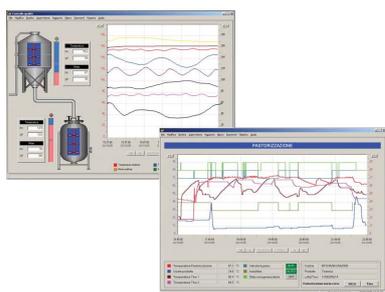
Quality control in metal heat treatment



Monitoring and control of medical devices with controlled temperatures



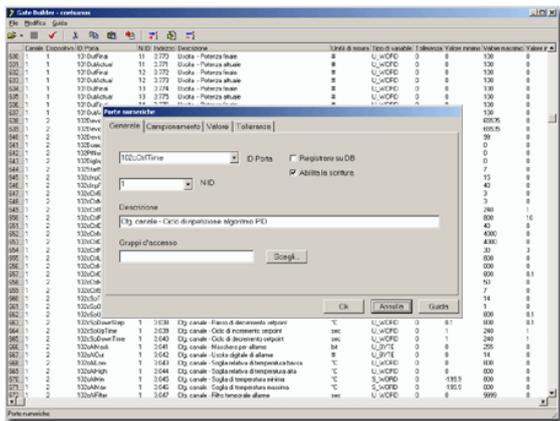
Dust pollution level monitoring system



Quality control system in the food industry

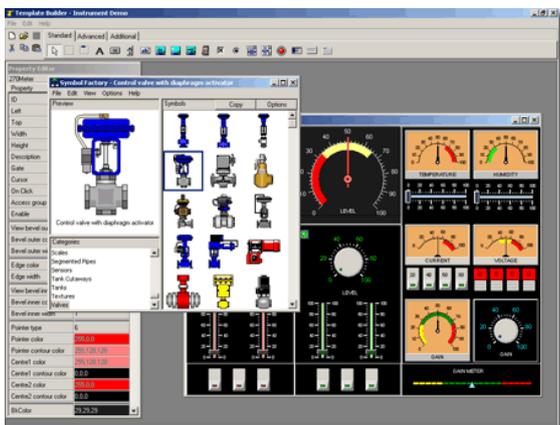
Winlog Pro Features

Gate Builder



Gate Builder is the tool for setting up your gates (tags) database quickly and easily. Different kinds of gates (numeric, digital, string, compound, event, alarm) can be defined and assigned their right properties (name, description, address, measurement unit, scale factor, etc.). Gates can be read from external devices (controllers, PLCs, indicators, data acquisition modules, etc.) or generated by the software itself. The sampling method can be configured for each gate (or set of gates) to obtain a satisfactory data update frequency without using too much disk memory (block reading, reading on scheme, record only in cas of significant variation, etc.).

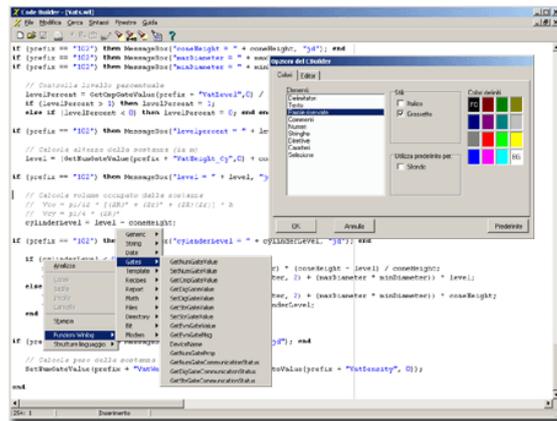
Template Builder



Template Builder is the tool for an easy and intuitive creation of templates and display pages; all you have to do to build a template is to arrange on the screen the objects (bitmaps, metafiles, text, values, status bars, leds and control icons) and to define their properties (dimensions, styles, associated tags, etc.).

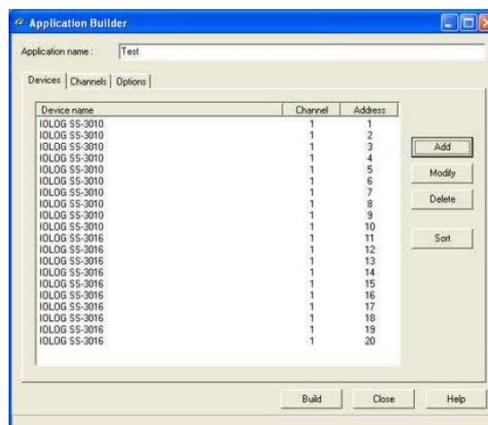
Each object of the template can be assigned to a control that allows access only by the class of operators with a specific password level. A library of over 3000 industrial automation symbols (pumps, valves, motors, tanks, PLCs, piping, etc.) is also available.

Code Builder



Code Builder is the integrated development environment that gives the possibility to enrich and personalise the application. A simple C-like programming language allows the programmer to interact with all the elements of Winlog Pro (tags, templates, recipes, reports, etc.), to define loops or "if-then-else" conditions, to create functions (macro) that can be executed automatically or under operator control. The editor allows an easy recalling of all functions and language structures and provides a series of syntactic controls.

Application Builder



Winlog Pro can automatically create SCADA applications by using Application Builder, a powerful tool that allows a drastic reduction of development time. Any application can be built by simply taking up from a library and putting together objects that refer to various automation devices (PID controllers, indicators, data acquisition modules, motor drives). The library can be enriched with new objects created by the user.

Run-Time Applications

A unique low cost run-time key can be used to run any of the applications, independently of the number of tags involved. Multilanguage applications (in two languages or more) can be set up, with a simple command to switch between languages. Reports and historical data are recorded with a format (DBF, CSV) that can be accessed by most Windows applications (Excel, Access, etc.).

Communication Drivers

An extensive library of drivers and an OPC Client interface allow communication with most electronic devices such as PLCs, controllers, motor drives, i/o modules. Special drivers can be developed under customer specification; ODBC support (SQL) provides a standard interface with external database.

Trends

Historical or online trends can be displayed individually or in groups: up to ten trends at a time are possible, which can refer to different kinds of tags, each with its own colour and scale. The temporal axis can be shifted backwards and forwards using video icons, the mouse can be used to zoom in and out, and various other viewing options are possible (grids, line thicknesses, modes of interpolation, etc.).

Events and Alarms

Historical or online trends can be displayed individually or in groups: up to ten trends at a time are possible, which can refer to different kinds of tags, each with its own colour and scale. The temporal axis can be shifted backwards and forwards using video icons, the mouse can be used to zoom in and out, and various other viewing options are possible (grids, line thicknesses, modes of interpolation, etc.).

Recipes

The recipes are sets of characteristic values of a working process or a plant configuration: new recipes can be created and existing ones updated (copied, deleted, renamed, printed and modified), as well as being imported and exported to and from the process itself. The application of a recipe can be commanded by the operator, automatically executed on start-up, or triggered by the program (eg. batch process).

Reports

Reports with summary information about production data or process quality or plant alarms can be generated in a pre-programmed format (RTF, CSV, TXT) and can be displayed or printed or sent to any peripheral device.

Reports can be either requested by the operator, or automatically generated on a cyclic basis (after a specific time interval, on a particular day of the week, etc.), or triggered by the program (eg. in case of end of production). Copies of reports are recorded and are available for Quality Control.

Networking Architecture

Winlog Pro makes it possible to set up distributed Client/Server architectures with TCP/IP protocol on Intranet/Internet networks or multi-master structures, in which each terminal can communicate with the others. Web solutions that can be accessed by Internet clients with standard browser (as Internet Explorer) are also possible. Both the fix and mobile (GSM, GPRS) telephone network can be used to communicate with remote devices or to send SMS to maintenance operators; in this way a supervision centre can provide a remote assistance service to a network of peripheral sites spread around the country.

Security

Each menu item, template, tag, etc., can be protected by the specification of the groups authorised to access it and those who can modify it. A name, password, and membership of one or more groups can then be defined for an unlimited number of operators. Every operator's action that has produced a data modification is recorded in a history file by date, time, event description and operator's name.

