TESTING SOLUTIONS

DATA ACQUISITION SYSTEM

B_23200

TECHNICAL DATA:

• Board:	NI
• I/O:	8 ch analog in [V]
• Frequency:	up to 100 kHz
• Channels:	analog / digital…/

STRUMENTAZIONE:

• Type:	can support any analog trasmitter

POWER SUPPLY:

• Electric:	230 Vac-50 Hz-0,5 kW

DIMENSIONI E PESI:

• L, p, h:	600 x 600 x 1400 mm;
• Raw weight:	~ 28 kg.

DAS is a data collection terminal; it can be coupled to any kind of test benches.

It reads and records sensors from field, show measures and trends with graphics analysis. arch Its architecture is extremely flexible and adaptable to any application: one or more PC, in a Windows 10 Pro© environment, can be networked with remote and distributed acquisition devices, or connected to local devices on the USB bus or on internal buses.

At the same time, SW application can be resident on a single PC or distributed among various networked devices in a Windows©, Linux RT and / or FPGA environment.

Whatever the architecture adopted (concentrated or distributed), the command and supervision of the system is carried out via HMI in a Windows© environment.

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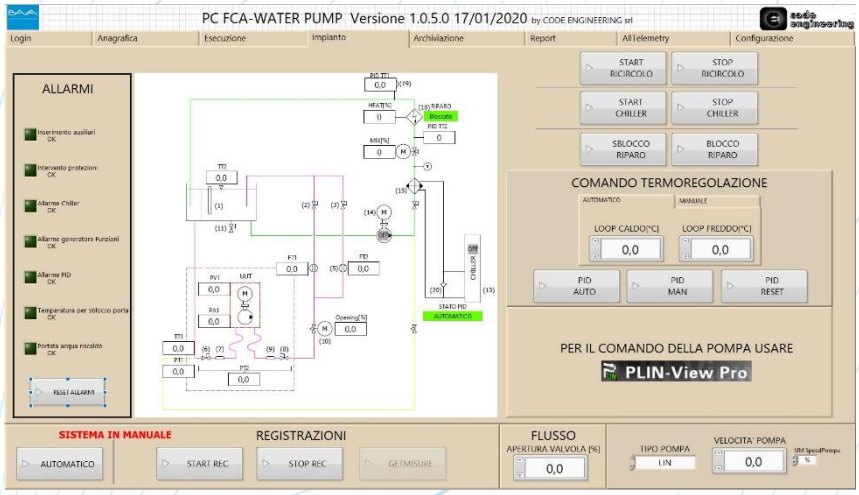
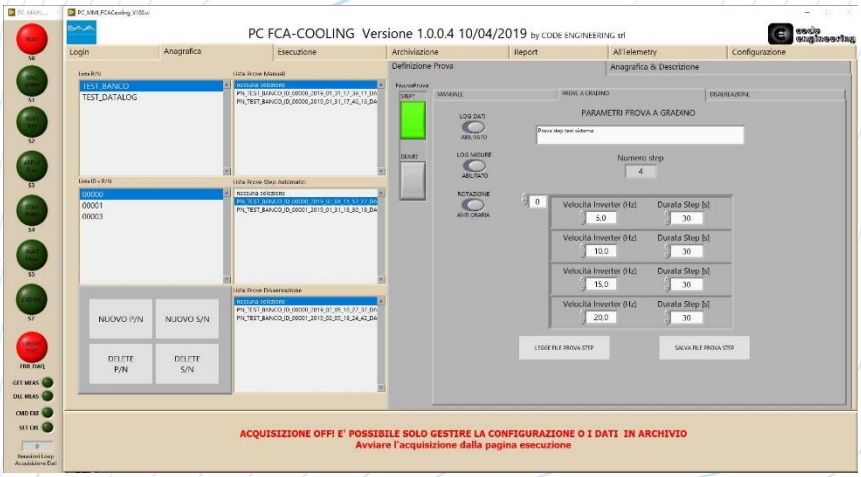
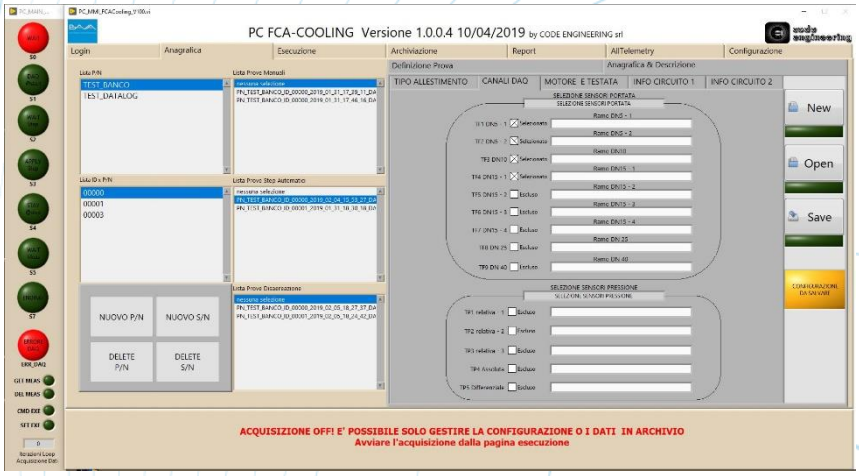
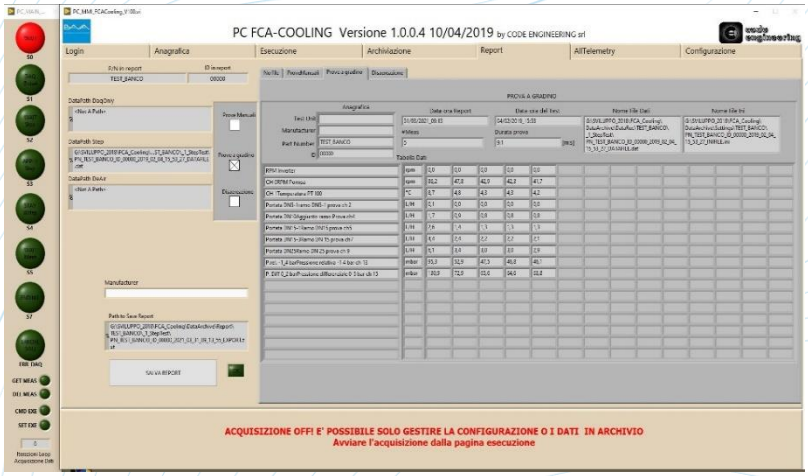


DAS allows you to control the individual devices, the operating modes (manual / automatic) and to view status and measures from the sensors in a simple and intuitive way. The system allows to insert test recipes, store recipes and execute automatic tests.

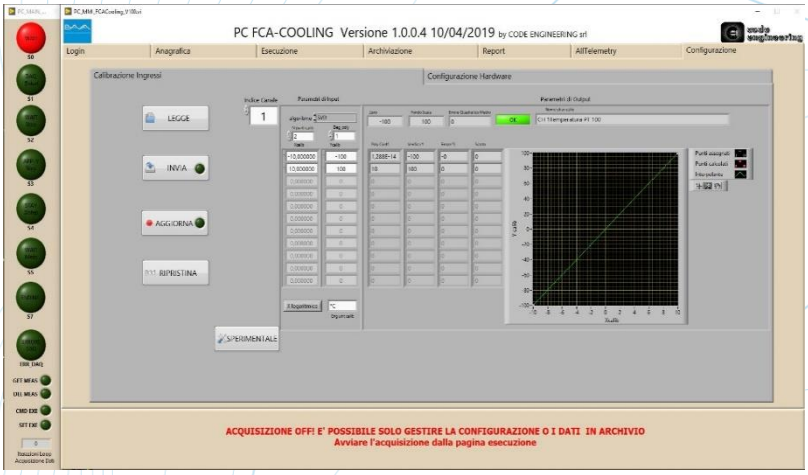




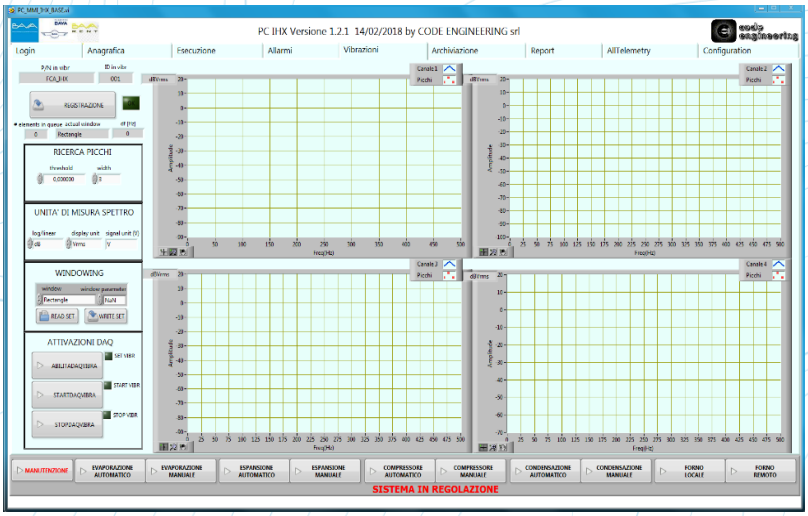
Test report can be filled with notes and descriptions; more of that, during test configuration, you can select relevant sensors and type of output, CSV or EXCEL © format.

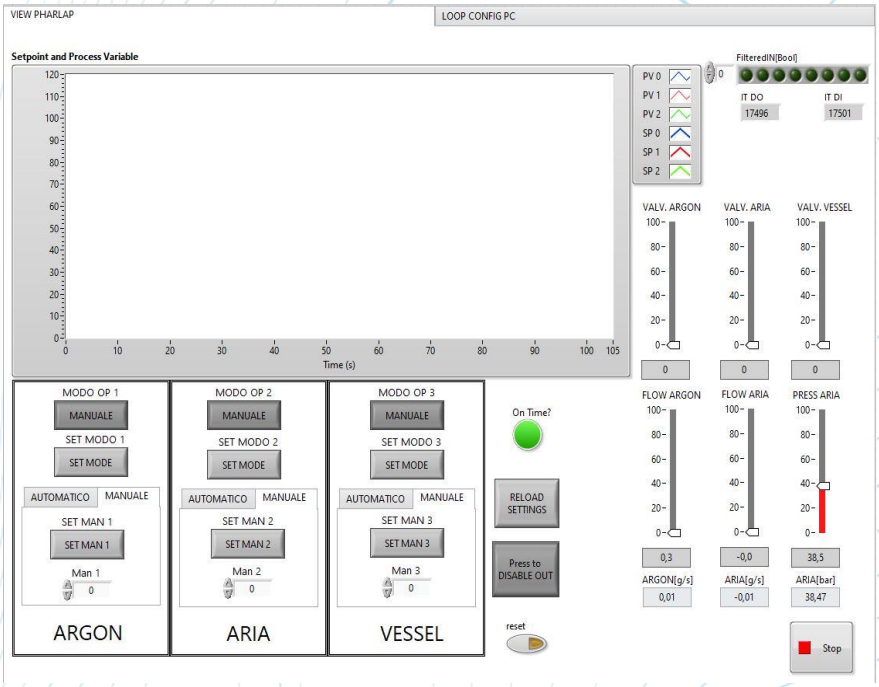


Depending on application, DAS can be equipped with special functions.



Figures, on the right, show an interface for displaying and configuring vibration measurements (in time and frequency) integrated into the HMI but carried out by dedicated hardware transparently to the operator.





Figure, on the right, shows the control and supervision interface of 3 PID regulation loops, integrated in the HMI, but carried out by remote hardware based on an application developed ad-hoc and installed on the FPGA.

GUI can be shown on multiple languages.

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