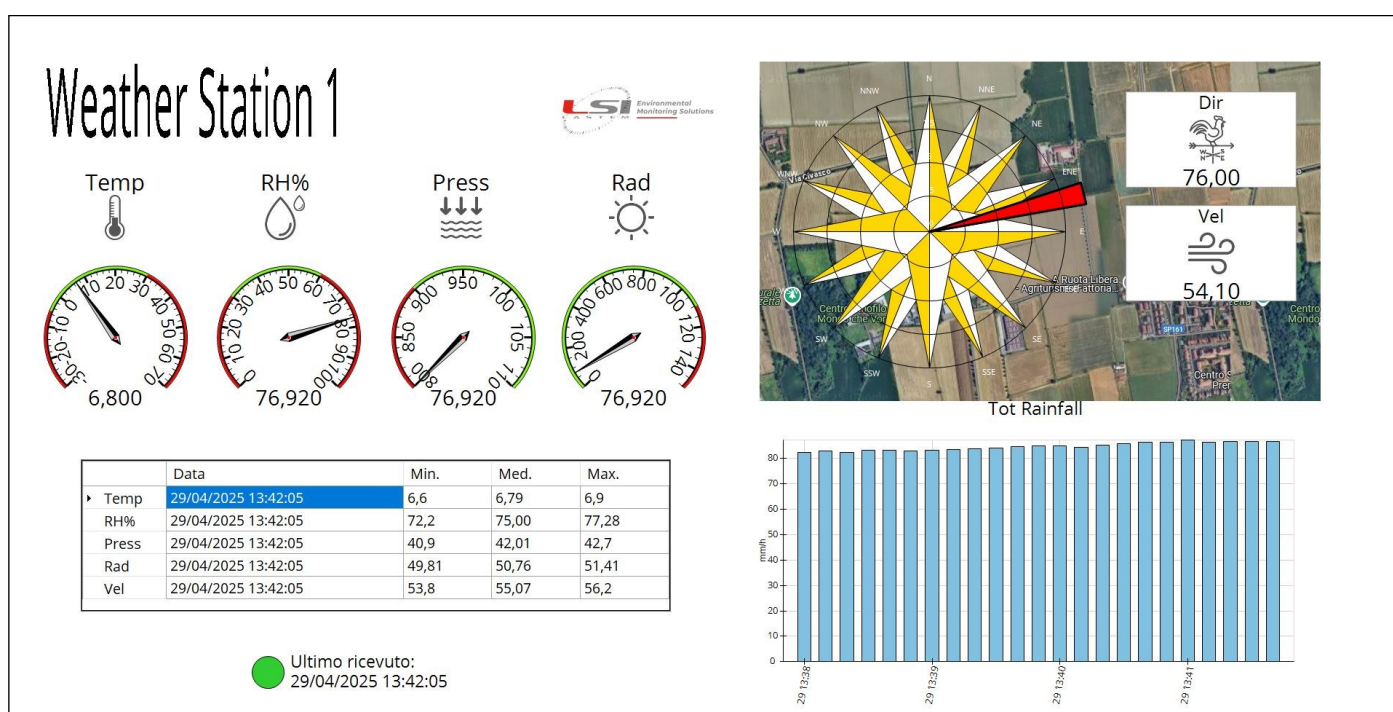# X-Panel
(BSZ411)

X-Panel is a control panel that displays the instantaneous values from the M/R/E-Log and Alpha-Log data loggers in real time and dynamically.

The software receives data from **E-Log connected via cable or through the CommNET program**. Using the latter program allows you to use multiple independent X-Panel sessions on multiple computers on the same network.

For Alpha-Log, X-Panel **takes the data from an MQTT broker server** where the data logger has sent the data. With X-Panel, the configuration of each page can be completely customized according to the data loggers and sensors to be viewed.

- Real-time information from data logger on dynamic dashboard
- Fully programmable
- Multi-parameter and multi-station dashboard
- Data input directly from data logger or from CommNET program or from MQTT broker server
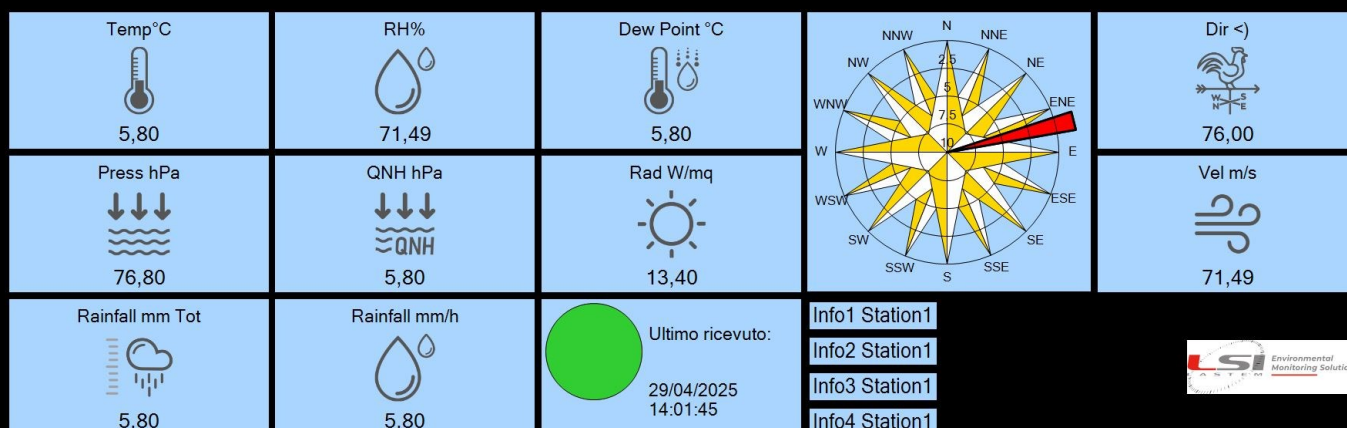- Availability of templates pre-configured for easy initialisation
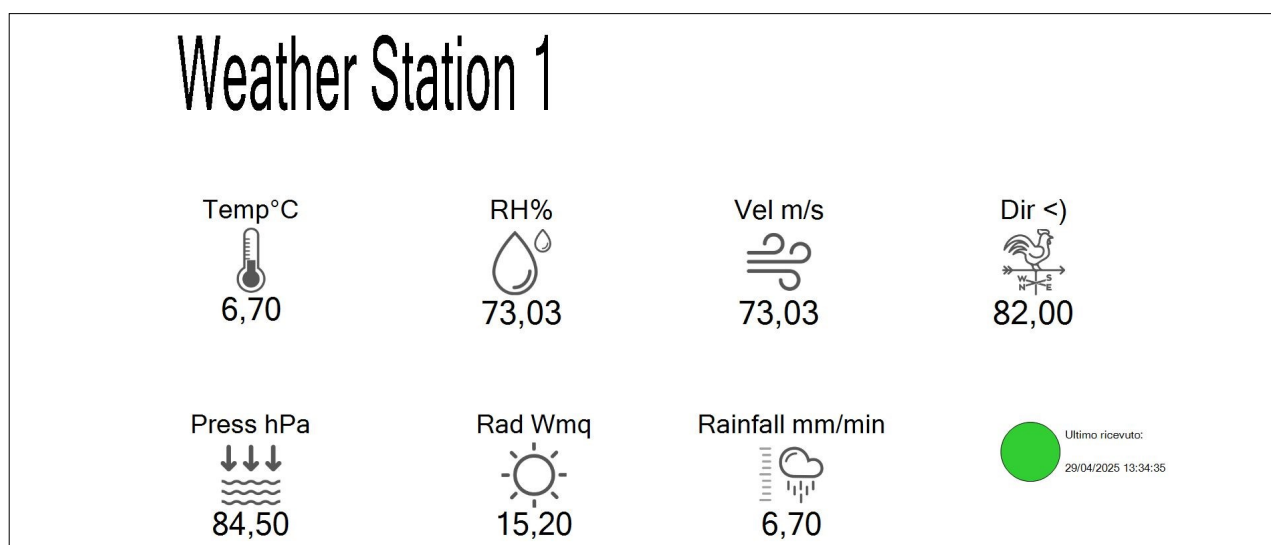
Main features

▶ *Example of a control panel, in which the following dynamic objects are positioned: Icons of quantities, graphs, compass rose, tables with statistical values, communication status. The compass rose is largely configurable in the number of sectors, alarm setting and background image*

- Setup of the data received directly from a data logger connected via RS232-RS485-USB-Ethernet, (using R/M/E-Log) or through CommNET, which is set up on a PC server; in this case, it is possible to view data coming from more data loggers, even remote

- Setup of data reception from an MQTT broker (Alpha-Log only). The data logger sends data to the broker, where X-Panel extracts instant values. This enables fast remote connectivity, with updates up to every second when Alpha-Log is online via Wireless Router, WiFi, or Ethernet.

- Configuration of "dynamic elements" (digital and analogue indicators, icons) according to the number of measurements to be displayed: position, contents of the dynamic elements for each parameter, as dynamic wind rose, charts with real-time or statistical values

- Configuration of visual and acoustic alarms (file wave) with configured thresholds

- Configuration of the wind rose. It is possible to add a background topographic map, which is useful to understand the wind direction and intensity

> Titles and images can be added on the control panel, it is also possible to configure the navigation through the various pages: manually selectable through labels or with automatic scrolling

MQTT broker-server rental

LSI LASTEM allows its customers to activate an MQTT service on the broker-server.
The customer who does not have their own service for the transit of data from monitoring stations through the MQTT broker-server, may request the sales / distributor to activate it.
The service is available in the form of an annual subscription.
SWCLA0009: FTP/MQTT service activation
SWCLA0220: 12 Months License MQTT service, n.1 Data Logger

*(see **MW9006-ENG-FTP-MQTT services**)*

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