

Miranda Monitoring & Control



FULL CONTROL OF MACHINES, SENSORS AND ALL PROCESSES FROM ANYWHERE

Miranda



All supported devices

The real-time aquaculture and water industries BIG DATA Management

Robust and reliable for producers, managers and researchers allowing you to monitor and control parameters in real-time, on site or remotely.

Save time and money by optimising your operations. Create the reports you need to manage your installation better and take the right decisions timely.

Innovaqua has many years of experience and knoledge and has designed several specific control modules for aquaculture such as photoperiod, thermoperiod or feeding managment (*Mirafeed*) that are fully integrated.



INNOVAQUA

Automation Control and Supervisor Data



- MySQL database Engine.
- Field Communication module specifically developed.
- APACHE web server with php technology.



Rack Model

Miranda SDA (Supervisor Data Acquisition)

It is installed into a rugged device connected to controllers via cable, optic fiber or radio (communications network), collecting the field data and incorporating them into the database, also allowing the excution of orders and setting of different control systems.

Includes the following functions:

- Parameters display in real-time.
- Display in real-time.
- Information showed with colour codes for quick interpretation.
- Management of historical data.
- Information export in standard CSV file, compatible with most data management applications.
- Alarm management through SMS and/or e-mail.
- Can be accessed simultaneously locally (LAN) or remotely (Internet).
- Automatic back-up in local removable media.
- Key-code system, allowing the replacement of a defective machine with a new one keeping all configuration.



Miranda ACB (Automation Control Box) includes an industrial PLC with colour touch screen. Connecting the appropriate probes, it reads the levels of the parameters (pH, oxygen, temperature, etc.), acting on the devices (pump, valves, etc.) and maintaining the levels within the desired ranges.

This architecture increases the system reliability against failures and minimizes the risk of accidents and losses.

Currently, it can be connected to any standard device with 4-20 mA, 0-20 mA and 0-10 Volts, or digital communications.

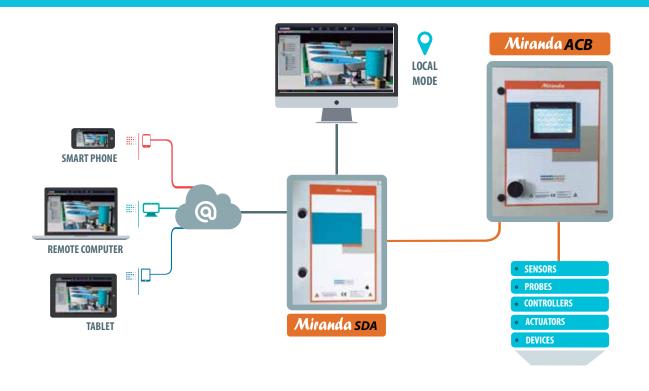
CONTROLLERS and SENSORS have been specifically chosen for their optimal performance with our system.

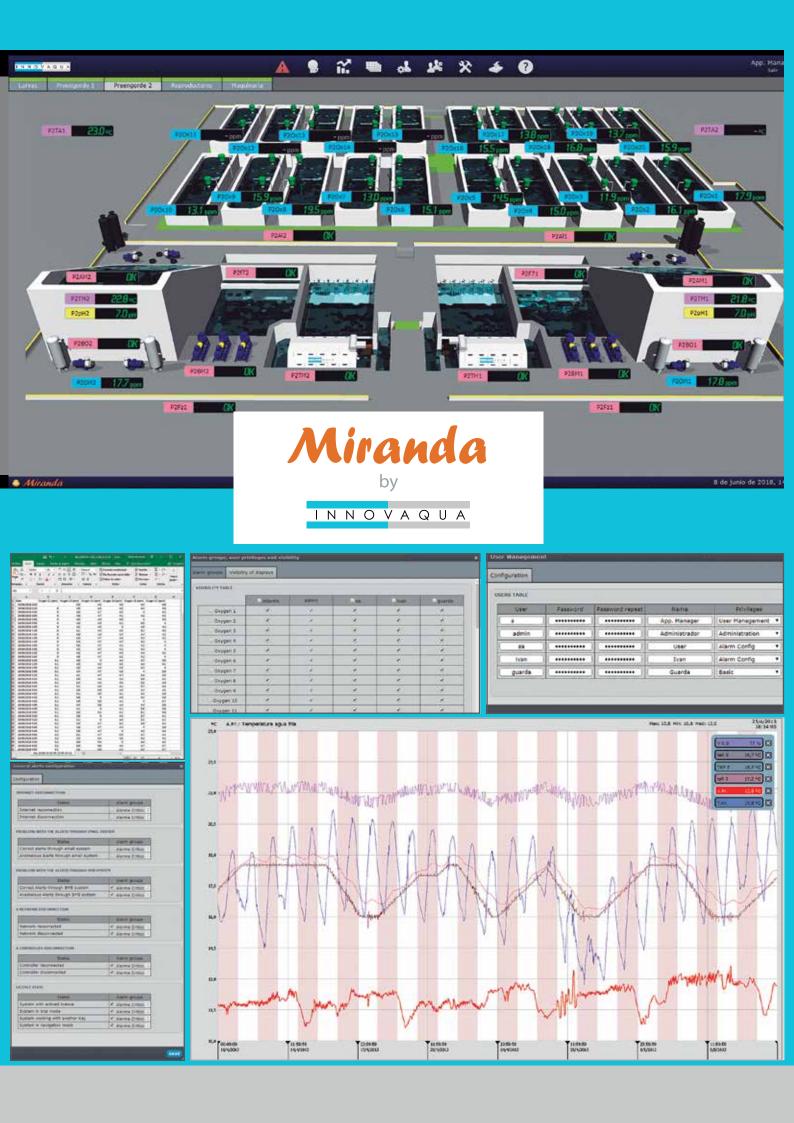
PROBES among others



ACTUATORS and DEVICES among others







INNOVAQUA

www.innovaqua.com

Integral solutions for the aquaculture world

