

I N N O V A Q U A

Miranda

Monitoring & Control



FULL CONTROL OF MACHINES, SENSORS AND ALL PROCESSES FROM ANYWHERE

Designed and manufactured by INNOVAQUA in the EU.

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 knowledge and has designed several specific control modules for aquaculture such as photoperiod, thermoperiod or feeding management (**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 execution 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.

“ INTELLIGENT 4.0 solutions for
AQUACULTURE and WATER INDUSTRIES ”

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

PROBES among others



Optical DO
Autoclean



Conductivity



Turbidity
Autoclean



Pressure



Level IP68



TDG



pH



Redox



+ Autoclean

ACTUATORS and DEVICES among others



Alarms



Inverters



Electric Valves



Skimmers



Temperature



Oxygen
Dissolution



Filtration



Mixers



Aerators



Feeders



Pumps



pH



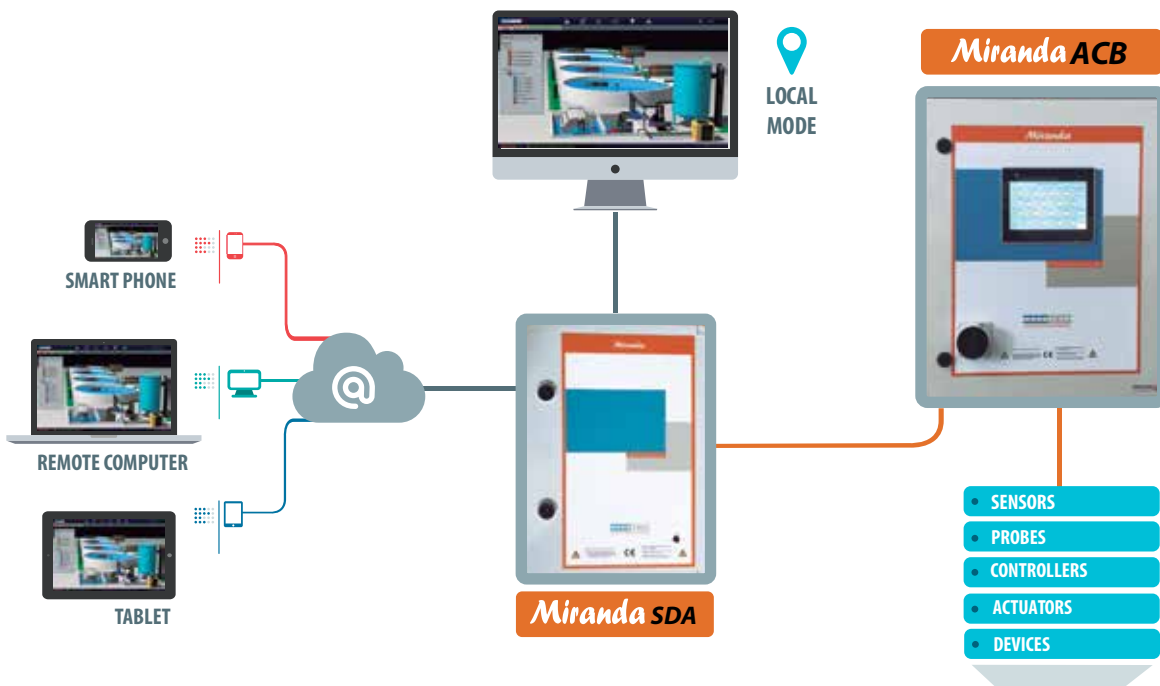
Photoperiod



UV



Ozone



I N N O V A Q U A

www.innovaqua.com

Integral solutions for the aquaculture world

