



Monitoring and Control in Aquaculture



Electronic data capture equipment for fisheries data collection must be rugged, portable and weather resistant. It must also give a return on the investment by saving time, providing better accuracy or increases in efficiency.

Campbell Scientific are world leaders in rugged data monitoring and control systems, with fish farms and hatcheries benefiting from flexible systems to monitor and control water quality and temperature 24/7. Systems using powerful Campbell dataloggers offer telemetered data to remote office sites, alarms (including SMS messages), the control of pumps and valves, and graphical displays. Such systems use the latest sensor technology and Campbell Scientific offer a range of dataloggers suited for different tasks.

Stolt Sea Farms has built its monitoring and control system around Campbell Scientific

instruments at two of its major fish farms specialising in premium caviar. The requirements at one site demanded monitoring and control of dissolved oxygen, water temperature and dissolved gases through thirteen probes sampling water continuously in twelve tanks.

The CR10X datalogger based system constantly sends water quality data to a base station PC via a RAD Short Haul Modem. An LED display on the monitoring station itself allows current conditions to be viewed by workers on the spot.

In some parts of the world Campbell Scientific also offers the Wireless Fish Measuring Board by LAT 37, and utilising Juniper Systems' Allegro hand-held PC. Visit www.lat37.co.nz or www.junipersys.com for more information.

Features & Benefits

Flexible product can integrate into existing systems

Long-term unattended monitoring control

Real-time display

On-site alarms and SMS alerts

Typical Instruments

CR800 series dataloggers

CR1000 datalogger

CS512 Dissolved Oxygen Probe

CSBUOY water quality monitor and transmitter

CS-SRM short range modem