



LAB STATION

Stable water quality for improved animal health and safer LSS operation

How can Blue Unit A/S help to create greater safety and stability in your displays? What would this mean for your animals and operation?

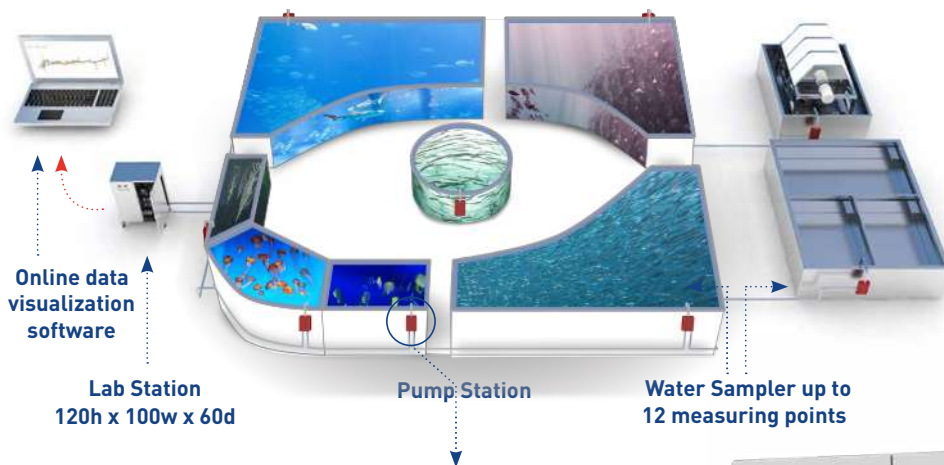
- Water parameters are constantly recorded
- Animal welfare is improved
- Animals are in better physical condition
- Optimise the visitors viewing experience
- Facilitate the LSS operational decision process

The Blue Unit Lab Station (Patent Pending)

The Lab Station is a unique measurement system. Measurements are made on water samples that are drawn from up to 12 separate locations.

Automatically, a sample is drawn and measured. The entire tubing system is then cleaned, followed by a new sample being drawn. The Lab Station measures not 2, but 9 water quality parameters 24/7. This means we can develop a precise picture of complex water quality trends and their interactions across the different aquariums, biospheres and their life support system.

We have discovered that there are changes within water quality parameters across a system which goes unnoticed. Blue Unit are experts at analysing and communicating practical management strategies that improve water quality.



Parameters we measure

- Free CO₂
- Total carbonate
- pH (2 pcs)
- Redox
- Salinity
- Turbidity
- Oxygen
- Temperature



Sensors

Use of high quality sensors that give fast and accurate measurement results are critical for system success. All sensors are automatically cleaned to ensure the best result. To achieve our minimum criteria for sensor speed and accuracy we had to develop our own carbon dioxide sensor. Each sensor covers measurements for up to 12 sample points in a location, this means minimised sensor cost, maintenance and calibration time.

Easy Installation

Blue-Unit Lab Stations are self contained and easy to install, requiring only a power supply, internet connection and a freshwater tap connection.

Low Maintenance

Blue-Unit Lab Stations have proven themselves to be nearly maintenance free. Some chemicals need to be refreshed on a monthly basis.