

Lab Station Environmental Monitoring

Challenge

The outlet from your industry can be subjected to unwanted incidents. Monitoring in Real Time can reveal this and can make you able to take counter actions.

Solution

Blue Unit Lab Station Environmental Monitoring (LSEM) analyses your outlet on a frequent base and reports unwanted incidents. It can even alert early if an incident is about to happen. Trend curves are showing what direction your water quality is taking.

How it works

One or several Pneumatic pumps (PSPs) are submerged into your outlet and extract a sample that is brought to the centralised Laboratory. The hoses are cleaned between every sample to secure a representative sample. The system has even a CIP, Clean in Place system to avoid biofouling & reduce maintenance.

The water sample is analysed for the parameters that are important to your special industry.

The results are sent to cloud storage and is visualised on your preferred platform either PC, Tablet or Mobile phone.

Alarms and trends can be followed and sent to the right people.

Every hour you will get new analysis results uploaded.

Numbers of analyses per hour depends on type of analyses. Some analyses take 15 minutes other take only 5 minutes.



Analyses that can be incorporated

- NH_3
- Phosphorus
- NO_3^-
- NO_2^-
- H_2S
- CO_2
- Total Inorganic Carbon (TIC)
- Temperature
- O_2
- pH
- Redox
- Turbidity
- Salinity
- Conductivity
- TDS – Total Dissolved Solids
- Particles



Pneumatic pump, PSP

Benefits

- ✓ Works 24/7
- ✓ Easy to set up and use
- ✓ Self-cleaning
- ✓ Various analyses to choose from
- ✓ Easy maintenance
- ✓ High ROI Return of Investment.
- ✓ Low cost per sample
- ✓ Safe Data storage and transfer
- ✓ Easy visualisation platform
- ✓ Alarms to customers

DC BLUE UNIT
stable water quality