

Watercare Laboratory Services

ONLINE WATER MONITORING



Introduction

Online monitoring is a major improvement in many types of water monitoring – from State of Environment Monitoring to trade waste effluent monitoring, the ability to view real time trends and changes over time gives a much more detailed view than discrete (grab) sampling.

Watercare service offer:

- Design, Installation, Commissioning of sites
- Operation and Maintenance
- Trouble Shooting
 - Repairs, diagnosing faults
- Data/Results Management
 - Reporting of exceedances
 - Reports issued as customers require.
- Hire of instruments

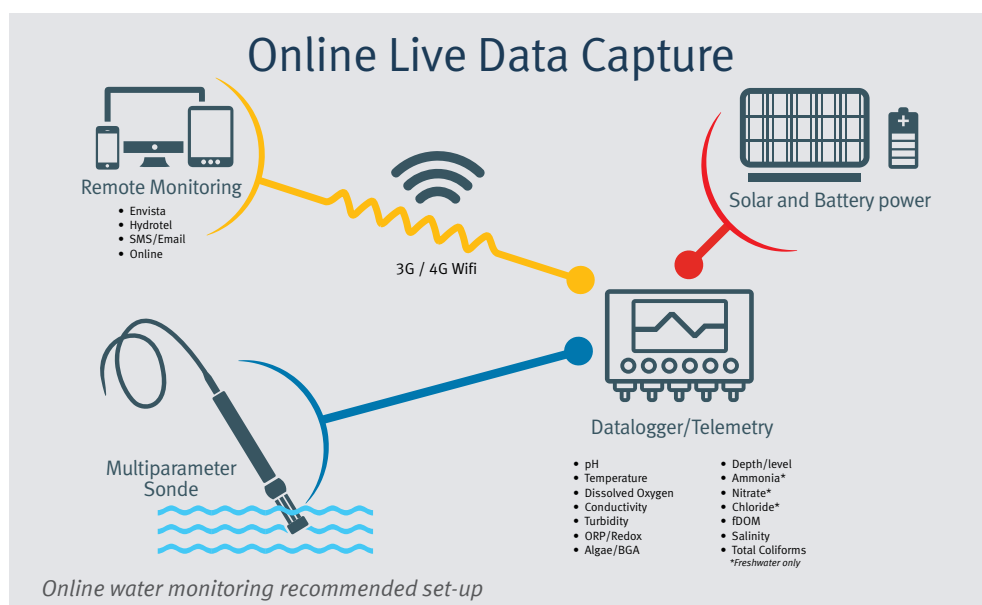
Testing services comprise:

Online water monitoring

Lab testing

Air quality monitoring

Sampling



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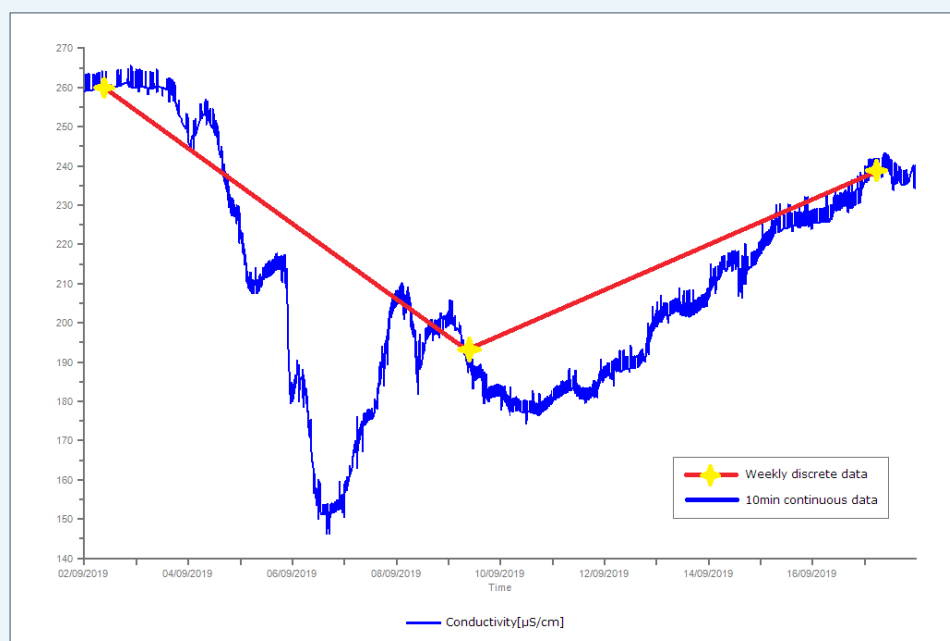


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Online water monitoring

Benefits vs discrete sampling

- Continuous Live Feed of data
 - Better for tracking trends in data
- Better use of labour resources
 - Monthly or quarterly maintenance of sondes only
- Pinpointing peak loads on plant
 - to allow plant optimisation for better environmental and compliance performance.



Continuous monitoring showing real time variation versus discrete (grab) samples.

Continuous data capture

- Able to show how events can influence water quality
- Allows adjustment of processes to reduce impact on water quality
- Show that other environmental factors can have influence
- Data events can be missed by discrete sampling as shown above.

Data management

- Use of Envista Data Management software
- Can transfer live data feed directly to clients database, e.g., Hydrotel
- Daily/Weekly Data checks option
- Flagging exceedances, alarms, triggers
- Reporting of data for consent compliance.

Testing services comprise:

Online water monitoring

Ambient air quality monitoring

Stack emissions testing

Odour monitoring

Lab testing

- inorganic
- organic
- microbiology



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