

CASE STUDY

REMOTE WATER MONITORING SYSTEM SIGNIFICANTLY REDUCES UNPLANNED PRODUCTION DOWNTIME AT MAJOR SOFT DRINKS MANUFACTURER



The competitive nature of the food and drink industry leaves little room for errors. When a blue-chip soft drinks producer experienced sudden downtime on its ion exchange water treatment plant, they turned to Envirogen who leveraged the benefits of its remote water monitoring system, PureCare RemoteView, to have the plant back online in under two hours.



PRODUCTION UP AND RUNNING WITHIN TWO HOURS OF STOPPAGE

MIKE LACEY,

Service Manager, Envirogen Group, explains:

"We were alerted to the fact that the manufacturer had suffered a loss of production due to accidental data loss brought about when an internal processor was reset by site staff during replacement of a water pump inverter. This had a knock-on effect as it caused the loss of operating data critical to the running of their ion exchange water treatment system."

"18 months previously we had installed the ion exchange water treatment system, and they had signed up for our PureCare RemoteView digital monitoring and management system. This meant that our service team was able to react fast to the emerging situation and play a leading role in disaster recovery."

"Our team promptly accessed their processor to remotely re-instate all key operational parameters necessary for the water treatment plant, so that it was back up and running in under two hours. Envirogen's meticulous record keeping, and commissioning data reports, made the entire process very efficient and played a pivotal role in avoiding shutdown over a sustained period."

MONTHLY KPI REPORTING – PRODUCTION AND COST ANALYSIS FOR OPERATIONAL TRANSPARENCY

The manufacturer receives monthly process reports on the performance of the ion exchange water treatment plant. By combining smart devices, expert knowledge, and water treatment plant performance data, Envirogen water process experts have been able to add data capture software to monitor events for different purposes. For example, to highlight process variations in batch volumes and efficiencies between regeneration.

Key performance indicators reported:

- Production/cost analysis
- Regeneration cycles, production cycles, water produced
- Chemical draw volumes and effluent produced per regeneration
- UV intensity trends
- Chlorine dose rates
- Product volumes produced

Monthly reporting and analysis have helped the customer better understand asset operation and put in place a proactive style condition monitoring approach. They've also benefitted from identified cost savings in salt, energy, water, and waste with tangible savings in operational expenditure.

KEY OUTCOMES:

- Shutdown over a sustained period was avoided saving significant sums of money plus engineer callout costs
- Monthly reporting and assessment of production output and performance to achieve maximum efficiencies
- Rapid ROI through reduced cost, improved site management, operational transparency
- PureCare RemoteView technology now rolled out across multiple production sites
- Remote water monitoring system requires no IT investment



ABOUT THE CLIENT

The client is a leading soft drinks company with factories in Great Britain, Ireland, France and Brazil with strong management teams on the ground alongside teams located in the US, Benelux, Asia and the Middle East.

ABOUT ENVIROGEN

Envirogen is a leading international provider of water and wastewater treatment solutions. We solve complex challenges relating to water availability and quality, and help our customers to increase productivity, reduce costs and meet environmental and sustainability targets.

We do this through offering:

- Best in class water and wastewater treatment and process filtration technology
- Expertise in design, project management and engineering
- World class manufacturing and servicing capability



UK HEADQUARTERS

Envirogen Group
Unit 9, Wimsey Way, Alfreton Trading Estate
Alfreton, Derbyshire, DE55 4LS
T: +44 (0) 1773 441029
E: enquiries@envirogengroup.com

EUROPEAN HEADQUARTERS

Envirogen Technologies bv
Penningweg 71, 1507 DG Zaandam, The Netherlands
T: +31 75 204 7200
E: NLinfo@envirogengroup.com

NORTH AMERICAN HEADQUARTERS

Envirogen Technologies
2627 Chestnut Ridge Road, Suite 200
Kingwood, TX 7733
T: 713.979.9142
E: info@envirogen.com

We have a network of regional sales and service teams worldwide:

UK and Europe: UK, The Netherlands, Germany, France, Italy.

USA: Texas, Tennessee, New Jersey, California, Nevada.

For further details, visit our website or contact our main office locations above.

www.envirogengroup.com

Follow Envirogen Group on LinkedIn 