

Pump expert predicts 2025 will be the year remote monitoring comes to the fore

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Ahead of the new year, a pump expert has predicted that 2025 will be the year that smart monitoring and digitalisation in IoT pump monitoring will come to the fore across the sector.

Smart pumps have seen a significant increase in demand, with forecasts [predicting growth](#) at a CAGR of 8.5% between 2023 and 2028 and this [growing adoption](#) could help the global pumps market reach £72.7 billion by 2029.

John Calder, technical director at [Dura Pump](#), has been working with businesses to help minimise downtime and interruptions to pump systems for almost 20 years and expects to see this growth accelerate in the year ahead.

As more complex production processes and supply chains increase the impact and cost of pump downtime, John has highlighted the importance of proactively monitoring pump health to spot any potential problems in advance.

Increasing the adoption of technology will be vital to help businesses enhance efficiency, improve maintenance and deliver substantial cost savings. John added:

“Over recent years we’ve seen more businesses looking to improve their understanding of the health of their pump systems to mitigate the need for expensive engineer callouts but also to deliver maximum performance and energy efficiency.

“Technology helps to facilitate this understanding. We work with a number of progressive customers who use remote monitoring to receive data for any common triggers such as a reduction in water flow rate,

which could indicate a blockage, or a loss of power or a tripped pump.

“As smart monitoring and sensors continue to improve their capabilities, engineers are able to collect even more advanced data on water quality, pH, cleanliness, temperature, and chlorine levels.

“Raising early alarms is key. You want pumps to operate at peak efficiency and while all of these issues individually are relatively minor if they are addressed early enough, if left too long and they continue to go unnoticed, it could lead to a significant period of downtime, increased energy and water bills, or potential compliance risks. The increased adoption of smart pumps and remote monitoring will continuously monitor the pumps to identify early signs of potential failures before issues become major risks. This will be even more critical for businesses moving forward”

For more information about Dura Pump, visit www.durapump.co.uk