



Grundfos Revolutionising Energy Efficiency

with Intelligent Pumping Solutions
for India's Leading Consumer
Goods Company

About the Customer

The customer is one of India's leading fast-moving consumer goods companies and has been a pioneer in delivering high-quality products. Having over 50 brands across 16 categories such as personal care, home care, and food and beverages, the customer is also deeply committed to sustainability, integrating environmentally conscious practices into its operations and product innovations.

The Situation

Energy efficiency posed a significant challenge for the demand variable temperature control application. The reliance on manual valve throttling for flow control led to inefficient energy consumption and avoidable operational difficulties.

The Challenge

The installed pump system was designed based on uncontrolled and inaccurate duty parameters, leading to excessive energy consumption and an inability to serve the farthest endpoint. Additionally, the system's operation relied heavily on manual intervention, resulting in reduced efficiency and increased susceptibility to errors

The Solution

Grundfos conducted a comprehensive energy check at the site, aligning with on-site discussions. The team presented a detailed report that compared the existing pump setup with potential replacements, emphasising a favourable return on investment (ROI).

The Outcome

The customer experienced significant energy savings as pumps began operating on a demand-driven basis. Key benefits included:

- Real-time visualisation of power consumption, operating hours, and alarms through an onboard HMI.
- Installation of a pressure transmitter at critical points enabled the Grundfos NBE pump to modulate flow efficiently, ensuring water availability even at the farthest point.
- Resolution of long-standing issues with insufficient water supply.

Key Highlights



Optimised chilled water distribution throughout the loop, even at the farthest points.



Consistent pressure-based operation eliminated the need for manual intervention.



Achieved notable energy savings by replacing three full-speed pumps with a configuration of two full-speed pumps plus one pressure transmitter feedback-based pump.