

INDUSTRIAL COOLING:

REDUCING ENERGY COSTS BY 70%

GRUNDFOS iSOLUTIONS



DISCOVER HOW A GRUNDFOS PLANT IN HUNGARY OPTIMISED ITS COOLING SYSTEMS, REDUCED OPERATING COSTS AND ENABLED PROBLEM-FREE PERFORMANCE WITH GRUNDFOS iSOLUTIONS

When Grundfos production in Hungary needed an integrated and intelligent pump solution for an industrial cooling application, there was only one answer – Grundfos iSOLUTIONS. The application has now seen its energy consumption drop by 70% compared to a traditional constant-speed installation without variable speed operation.

OPTIMAL
PERFORMANCE

30%
REDUCED OPEX

70%
OPERATIONAL SAVINGS



EXISTING SYSTEM:

4x Fixed speed pumps, IE2 motors
Regulating valve operation

NEW SYSTEM:

NBE pump range
RPI+T
Grundfos iSOLUTIONS Monitor
Grundfos MPC-E control panel
Temperature sensors
Constant temperature function

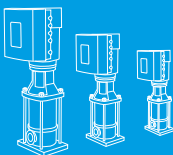
SOLUTION & OUTCOME

Our expertise in industrial cooling technologies, along with innovative system-ready products and built-in functionality, have provided a new level of reliability and system efficiency for Grundfos in Hungary. With intelligent algorithms for optimising cooling systems, we've achieved some remarkable results.



EASY OPERATION

Grundfos pumps in combination with our intelligent built-in controls have significantly improved the existing cooling tower pump system – moving from unbalanced to optimised and reliable operations.



FULL CONTROL

Grundfos pumps in combination with our intelligent built-in controls have significantly improved the existing cooling tower pump system. With Grundfos iSOLUTIONS, the system now has a variable flow, enabling maximum savings and improved uptime.



MAXIMISED RELIABILITY

Cooling tower operation is an important factor in any industry requiring maximum reliability. Our system-ready products have revised the system design to raise performance and reliability beyond the original specifications.