

PUMP PLANT INCREASES EFFICIENCIES AND SAVES TIME

GRUNDFOS **iSOLUTIONS**

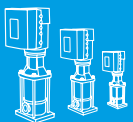


SHELBOURNE HOTEL, DUBLIN

SEE HOW THE FIVE-STAR HOTEL GAINED CONTROL OF ITS CHILLED WATER PUMPS WITH INTELLIGENT SOLUTIONS FROM GRUNDFOS

The five-star, 200-year-old Shelbourne Hotel in Dublin needed a new cooling system. The hotel had outgrown its rooftop chillers and pumps. “The system wasn’t as efficient as it could have been,” says Michael Munroe, Director of Engineering. The hotel used seven chillers, and those plus the chilled-water pumps were not protected from the weather.

“The pumps were getting damaged.” Furthermore, his team did not know whether there was a problem with the pumps unless the hotel got a complaint. “And then we would have to come running from our workshop in the basement up ten floors to the roof to try to find out what was wrong.”



**FULL
CONTROL**



**EASY
OPERATION**



**ENERGY
SAVINGS**

“We’ve got more control of the pumps. They are all integrated. We can look at everything down in the workshop. We can see any faults that come. Overall, a lot more efficient.”

Michael Munroe
Director of Engineering
Shelbourne Hotel



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BMS INTEGRATION

Grundfos supplied a packaged pump plant housing 16 intelligent TPE chilled water pumps in a container, bringing Grundfos pump system intelligence to the Shelbourne Hotel. “It increased efficiencies,” Michael Munroe says. “All the pumps are variable speed, and we’ve got more control of the pumps as well. They are all integrated. We have sensors on all of them. We can control the temperatures. See the flow rates. And that’s wired back now to our BMS. So if we do get a fault, we get a text message. If something critical happens, we’ll know straightaway. We can look at everything down in the workshop. We can see any faults that come. Overall, a lot more efficient.”

SAVING TIME AND HASSLE

Michael Munroe’s crew no longer has to come running up 10 floors to the rooftop pumps to try to find out what might be wrong, saving time and hassle. He says the Grundfos packaged plant was just right for the Shelbourne. “The pump house itself is basically a big container. It came pre-done with the pumps and the pipework, so it just needed connecting to what we had on the roof. We do fetch quite a few people up to the roof to look at it now. It’s just so good.”

