

Case Study – Robinson Pool



Before

The existing installation of three 40-year-old Worthington Simpson pumps, using inefficient 9.3kW motors and installed with non-DIN standard cast-iron pipework, were leaking excessively. The build-up of scale on the inside of the pipework added to the inefficiency, as well as creating water quality problems.

The pool was in use for 16 hours a day, 7 days a week, and we were asked if the pool could stay fully operational through any works.

Solution

Both the pumps and the pipework needed replacing. Having identified the specific issues and challenges, deckpro pumps specified inverter-driven Modus pumps connected to a bespoke-made control panel, to adjust the speed of the pumps automatically when the demand reduced (for example, when there were no swimmers in the pool).

The new pipework was pre-fabricated, brought to site ready-to-install and craned into place, ensuring that the pumps and pipework could be replaced in one night so that the pool could remain fully operational during normal opening times.

After

The result is a highly-efficient, low-maintenance pumping operation. The pumps use a combined total of about 82% less energy than the before, the quality of the pool water is improved, and this has been achieved with no inconvenience to customers or staff.