

# CASE STUDY

Robinson Pool, Bedfordshire



## PROJECT OVERVIEW

[deckpro pumps](#) were commissioned to replace outdated pumps and upgrade pipework with pre-fabricated, custom-made components at Robinson Pools (a public pool) located in Bedfordshire. We achieved an impressive 82% reduction in energy consumption while ensuring seamless pool operations around the clock.



## THE CHALLENGE

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.

## THE 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 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-toinstall 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.

## THE IMPACT

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.



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