

# PUMP REPLACEMENT A SUCCESS

A HEALTHCARE  
FACILITY INSTALLATION

The pump replacement, combined with the future usage of Pump Manager, is expected to produce energy savings of up to 30%.

With Pump Manager in place, the hospital can be confident that the pumps will always meet mission critical requirements

## UK Teaching Hospital

The Design Envelope 6800 Vertical Multi-Stage Booster is a fully assembled, programmed, factory-tested solution with advanced variable speed controls that respond to demand in real-time for superior energy savings and return on investment.

### Background

Armstrong Fluid Technology was contracted to supply and install multiple pumps to upgrade the efficiency of the HVAC system at a leading Teaching Hospital. Armstrong's design envelope technology provides the efficiency needed for a successful energy upgrade project.

Armstrong provided a three-pump booster set, four latest generation Design Envelope pumps, and two fixed speed models. The Design Envelope pumps are overseen by Pump Manager, that provides the user with real-time data on each pump individually.

Armstrong's Design Envelope 6800 Vertical Multi-stage boosters are fully assembled, factory-tested booster systems. The integrated, intelligent controls deliver superior performance and energy efficiency across broad operating scenarios. Advanced software features and operating routines substantially reduce maintenance requirements, while managed load-distribution avoids uneven wear.

The installation also includes pre-installed Flo-Trex Valves and Suction Guides, to reduce the number of pipe connections required on installation. The pumps will be monitored in real-time by Pump Manager, a cloud-based subscription service that provides not just active, but predictive diagnostic information. The Pump Manager application uses data directly from the pumps to detect future possibilities of issues such as deadhead or cavitation, reducing and mitigating the risk of equipment failure and realizing up to 50% savings in maintenance costs.

Armstrong Fluid Technology's UK National Sales Manager commented: "It's extremely gratifying to provide our technology to the health sector, and with Pump Manager providing both optimization and proactive maintenance warnings, we know the custodians will feel safe in the knowledge that the pumps will always meet mission critical requirements with the best possible efficiency."

### Tech-info

- DE6800 Multi-Phase Booster
- Flo-Trex Valves
- Suction Guides