

Precision from Champion provides constantly chilled water to Medical Device Manufacturer

SUMMARY

Campion were contracted to replace an end of life heat exchange unit, and install a fabricated modular solution, within a very short time frame. The system needed to maintain a constant temperature on the lasers used to manufacture medical devices. This was a critical success factor for this project.



THE CHALLENGE

The manufacturing site at Clonmel needs a constant water temperature of 14 degrees on the lasers or they cut out and production halts. The existing heat exchange unit was no longer functioning efficiently, so a new solution was needed, and quickly. The team at Champion had 3 months to design, fabricate, test a new heat exchange unit with one day installation and commissioning to prevent any down time in manufacturing.

KEY FACTS

CLIENT NAME
Medical Solutions Company

INDUSTRY
Medical Technology

LOCATION
Clonmel, Ireland

CUSTOMER SINCE
Customer since 2010, project completed 2018

CAMPION SERVICES
Pump Services
Energy Saving Solutions
Connect
Service & Maintenance

ABOUT US

CAMPION
CONNECT

At Champion we know about pumping systems for water and wastewater from the inside out. We have been serving our customers for over 30 years and have in-depth knowledge and experience of the pumping needs of our customers. Our Champion Connect technology connects, integrates and communicates 24/7 across any pumping system and will identify a problem before it becomes an emergency, providing our customers with peace of mind and ultimately safe, clean water.

TWICE the amount of chilled water using a
third of the energy.



Return on investment in
2 YEARS

Campion surveyed the existing unit and proposed a solution that would give the customer more control to their process with built in fail safes. To ensure that the solution was robust, Campion worked with a consultant engineer who endorsed the approach. The fabrication stage was crucial and had to be planned with extreme precision. Campion's knowledge of the component parts together with their build experience ensured that every detail was covered.

The new system is monitored using Campion Connect, a web based monitoring system, ensuring any fluctuations are detected and alarms raised in time to rectify the situation to ensure production continues.

The new heat transfer system has resulted in great efficiencies in terms of energy saving, downtime and financial. The inbuilt fail safes and ability to constantly monitor the system provide the customer with peace of mind and enables them to manufacture complex medical devices with the precision required.

