



Campion's complete service offering results in the seamless design and fit out of a highly efficient sewage pumping station

SUMMARY

Campion were contracted to provide complete project delivery for the design, install and commissioning of a sewage pumping station to service 334 new houses in Ratoath, Co. Meath. Pump efficiency was a critical element to the design as well as capacity to support high usage of a large housing development. Project management was integral to the seamless completion of the proposed works.

THE CHALLENGE

The new housing development needed a foul pumping station that would service 334 homes. Energy efficiency and minimum maintenance was a key requirement in order to maintain costs.

The client also wanted to appoint just one contractor to manage the whole project from design to commissioning of the pump station. The client wanted a full turnkey solution that could collaborate the many aspects of the project such as the mechanical and electrical fit-out, installation and commissioning in order to cut down on the number of contractors on site.

KEY FACTS

CLIENT NAME

Sherwood Homes, Ratoath, in conjunction with Meath County Council/Irish Water

INDUSTRY

Construction

LOCATION

Ratoath, Co. Meath

CUSTOMER SINCE

2017

CAMPION SERVICES

Pumps and Accessories Connect



Sherwood Homes, Ratoath, specialises in building housing developments of family homes.



334
houses



Pumping station
has a storage
capacity of

1,231,500 litres

THE SOLUTION

Campion had the experience, expertise and were well equipped to deliver on the project. A highly efficient pumping station was specified with 3 Flygt Concertor variable speed, self-regulating and self-cleaning pumps at the heart of the solution. Once the design and specifications were approved by Meath Co. Co. and Irish Water, Campion project managed the full mechanical and electrical fit-out onsite providing an end to end service for the whole project resulting in great fluency to the project which was completed within the requested timeframe.

Campion designed and manufactured a fully compliant form 4 control panel to control the pumping station. The control panel allows the pumping station to be run completely automated with minimal amount of human intervention required, saving thousands on labour over its lifetime.



THE OUTCOME

Campion Connect provides a web-based monitoring system for the whole pumping operation. In the event a pump or a mixer goes down causing disruption to the sewage pumping requirements of the 334 homes, Campion Connect now detects this and sends an alert in time to implement a solution. This ultimately added value to this project for the client.

The pumping station design was highly efficient with all sealed stainless puddle flanges which resulted in no unnecessary pumping of unwanted surface water providing savings of thousands of Euros over its lifetime. The minimum lifespan of the solution is 50-70 years resulting in an excellent return on investment with minimum maintenance.

