



Pulsar's Non-contacting Measurement and Control Suits Center Parcs.

Pulsar Measurement has supplied a range of non-contacting instruments to monitor and control dosing plant and a pumping station to Center Parcs Woburn Forest in Bedfordshire and also measure open channel flow of influent, adding to the equipment supplied when this park opened in 2014.

Pulsar was invited to work with Center Parcs throughout the project at Woburn Forest, the UK's fifth Center Parcs, because of successful installations at other Center Parcs developments, including at Sherwood Forest in Nottinghamshire. Pulsar's non-contacting ultrasonic systems are proven in tens of thousands of applications world-wide, with a heavy emphasis on wastewater treatment applications that provide operators with a host of built-in specialized functions.

The Woburn project included measurement on Ferric tanks for the dosing system, control of the site pump chamber, measurement in an ATEX Zone 1 area for sludge control, and on a v-notch weir measuring screened influent flow.

A wall-mounted Pulsar Ultra 5 was installed in the site pump chamber control system and connected to a dB6 transducer. The transducer was positioned above the wastewater and measures the time it takes for an ultrasonic pulse to reflect from the surface, it then converts that measurement to a distance. Pulsar software allows the system to ignore competing echoes from any obstructions in the well, and the five on-board relays are available to control pumps and other equipment through a sophisticated set of pre-built software tools.

Pulsar's Ultra 3 system was teamed with a high-frequency dBMACH3 transducer to measure the flow through a v-notch weir, accurately logging screened influent to the site. The Ferric tanks within the dosing system are also monitored by a Pulsar Ultra 3, while yet another Ultra 3 measures the contents of the sludge holding tanks. Pulsar's transducers are intrinsically safe, so the Zone 1 ATEX



"It's a good feeling when a customer not only comes back for more equipment, but passes on their satisfaction to others in their group. We're really pleased to be able to support Center Parcs on this project"

Terry Chambers, UK Sales Manager, Pulsar Measurement

requirement in this area was easily met. Finally, Pulsar's compact, self-contained IMP units have been deployed to measure level in the influent screening tank.

Since publishing this case study, the Ultra 3 controller has become obsolete, this controller has been replaced with the Ultra 4 controller - offering end-users enhanced functionality in one convenient package.

More Information

IMP+: <https://pulsarmeasurement.com/imp.html>

Ultra 4: <https://pulsarmeasurement.com/ultra4.html>

Featured Products



IMP Self Contained Level Measurement



Ultra 4 Controller - Replacement for Ultra 3



dBMACH3 Transducer

Delivering the Measure of Possibility

Pulsar Measurement offers worldwide professional support for all of our products, and our network of global partners all offer full support and training. Our facilities in Malvern, UK and Largo, USA are home to technical support teams who are always available to answer your call or attend your site when required. Our global presence, with direct offices in the UK, USA, Canada, and Malaysia allow us to create close relationships with our customers and provide service, support, training, and information throughout the lifetime of your product.

By taking a step forward in echo processing technology, Pulsar Measurement addresses applications previously thought to be beyond the scope of ultrasonic measurement. This technology improves signal processing at the transducer head which has made it possible to increase resistance to electrical noise, enabling the transducer to 'zone in' on the true echo.

For more information, please visit our website:

www.pulsarmeasurement.com



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