

CASE STUDY

Domestic property
upgrades their failing
septic tank

REWATEC®

Solido Smart



QUICK FACTS

Application

Single domestic property, County Durham

Requirements

- A system to replace a failing septic tank
- An energy efficient sewage treatment plant that adheres the 2020 general binding rules (GBRs)
- Quick delivery, installation and commissioning of the new system

Solution

Rewatec Solido Smart

SITUATION

A homeowner based in County Durham was experiencing issues with their existing wastewater treatment system. Their septic tank, which was installed several years ago, was surcharging surface water and wastewater back into the property (via sinks, toilets and baths).

As the septic tank was discharging to a watercourse (a nearby stream), there was a requirement to upgrade the failing system to a new sewage treatment plant. This was to ensure compliance with the 2020 GBRs set out by the *Environment Agency* for sewer outfalls.

In order to resolve the issue of surcharging as quickly as possible, the homeowner required a system that could be delivered, installed and commissioned within a short timeframe. Additionally, due to the high energy prices in the UK, the homeowner required an efficient system with low running costs.

SOLUTION

After reviewing the homeowners' requirements, whilst also taking into account the number of bedrooms the property had, Premier Tech recommended an 8 PE (population equivalent) Rewatec Solido Smart sewage treatment plant.

A week later, the system was delivered and installed via our plant and agricultural contractor, Dennis Skidmore. Premier Tech commissioned the system on the same day as the installation, ensuring that it was fully functional before leaving the site.

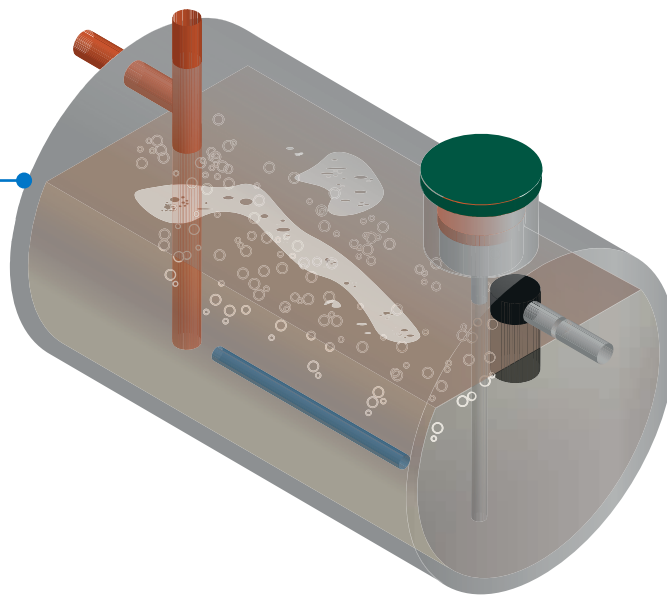
As the property was discharging treated domestic sewage effluent of less than 2 cubic meters per day, there was no permit required for the new system. Discharge to surface water drainage was also allowed as the GBRs were met.

LOW ENERGY BILLS WITH OPTIMISED WASTEWATER TREATMENT

REWATEC®

Solido Smart

To provide energy efficient wastewater treatment for the domestic property



"The Rewatec Solido Smart was the perfect solution to upgrade our failing septic tank. It resolved our surcharging problem, it enabled us to adhere to the 2020 GBRs and it continues to provide highly efficient wastewater treatment – keeping our ongoing running costs to minimum. The quick delivery, installation and commissioning of the system was greatly appreciated, and the overall service I received from Premier Tech and Dennis was fantastic."

Paul Finlay, Homeowner



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