

## CASE STUDY

### Protecting the grounds of a luxury manor

# ECOFLO®

Sustainable wastewater treatment



## QUICK FACTS

### Application

Luxury Manor House, South East England, UK

### Needs

- Effluent quality above the UK norm
- A system that could cope with residential fluctuations
- Silent and odourless operation

### Solution

Ecoflo coco filter

## SITUATION

JDP, working alongside Gregory's Landscaping and Groundworks, came to Premier Tech with a request for a newly renovated off-grid Manor House in the South East of England. Their customer had a list of specific requirements they wanted to achieve from their wastewater treatment systems.

To preserve the beautiful surroundings and gardens, the final treated wastewater had to provide a level of effluent quality over and above the norm. It also had to cope with residential persons, as well as up to 50 visitors within the house at any one time.

It was also important that the wastewater treatment system was silent and odourless to ensure that guests residing at the manor have a pleasant stay.

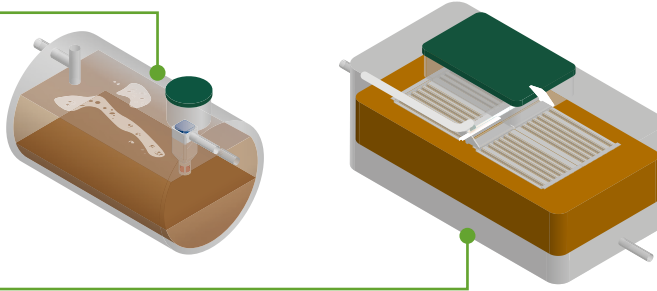
## SOLUTION

Working in conjunction with JDP and Gregory Landscaping and Groundworks, Premier Tech recommended the Ecoflo coco filter as a secondary sewage treatment plant to further treat the wastewater using no energy.

JDP ensured this would meet the customers requirements and worked with the experts at Gregory Landscapes to install the system. With the Ecoflo's patented coconut husk fragment filtering medium, this ultimately cleansed the water from their sewage treatment plant to a level that exceeds UK regulations.

### Septic tank

with a built-in pre-filter to prevent suspended solids from entering the pipework.



## ZERO ENERGY REQUIREMENTS

## ECOFLO

### Sustainable wastewater treatment

The wastewater drips through the perforated distribution plates and falls across the filter made of coconut husk fragments, creating a physical barrier that cleans the effluent to an even higher standard.

### Effluent quality after Ecoflo treatment

- COD - 92%
- BOD - 98%
- NH<sub>4</sub>-N - 91%
- SS - 99%

*"This was the perfect solution and ticked all the boxes in terms of the customer requirements for this job. The ecological makeup of the system, zero noise, very low maintenance and the ability to cope with the numbers of house inhabitants at any one time was ideal."*

Andrew Walker  
Gregory's Landscaping and Groundworks



## CONTACT US

Ask our experts about the Ecoflo or any other wastewater treatment solutions available from Premier Tech. Whether your project is big or small, we have the solutions to make a lasting difference.



PT Water and Environment

+44 (0) 191 5878650  
sales.ptwe.uk@premiertech.com  
PT-WaterEnvironment.co.uk



UK  
20210421