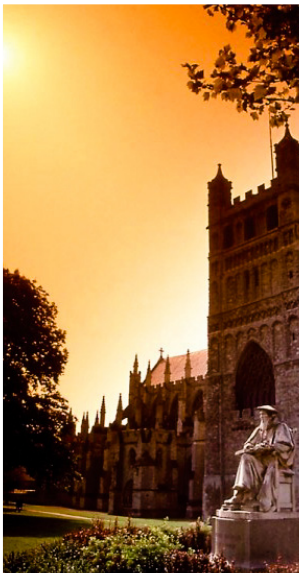




Haulfryn Group's
Finlake Holiday Park selects
Bio- Bubble solution



A failing treatment plant, along with an extensive development and investment program, is what prompted the Haulfryn Group's board to engage consultants H₂OK to evaluate the most suitable solution for resolving all the issues they had with its popular holiday Park's waste water treatment. Whilst value for money was near the top of the list, the effect on the local environment was paramount to the company, who were keen to provide an environmental and sustainable solution.

Located a few miles to the East of Dartmoor National Park, Finlake Holiday Park provides holiday accommodation in luxury Homes and Lodges. With a full resort and fully staffed, the capacity of the plant needed to be just short of 1900 PE whilst having the flexibility to deal with sometimes vastly differing flows typical of a holiday environment, with a catchment and network vulnerable during wet weather which had caused many issues with the existing works H₂OK quickly came to the conclusion that the Bio-Bubble waste water and Sludge Treatment plant provided the most cost effective and robust solution.

Partly due to its age, the existing RBC was needing costly daily attention and expensive monthly repairs to its large gearing mechanism. However, as the large tank structure was constructed of concrete, with all of the shaft and contact fins removed, returning it to a tank allowed it to be incorporated into the design of the system, it acts as an attenuation tank, attenuating the batched flows from the Reactor. The final effluent is then pumped up to a set of reed beds/ponds, prior to finally discharging into the River Teign.

All round, Bio-Bubble offered the most robust solution with respect to the quality of the final effluent and handling of variable loads. Bio-Bubbles low sludge production, needing far fewer tankers per year and low carbon footprint made selection straightforward. One would expect to pay more, for more however, the capital cost was circa £100,000 cheaper than the second choice solution.