

# SolarBee saves money and carbon in reservoir restoration

SolarBee is a solar-powered, long-distance water circulator for reservoir restoration, brought to the UK market from the US in 2007 by Aquafide Engineering. It uses low-velocity pumping to circulate large volumes of water with much greater efficiency than



**SolarBee made big savings for South West Water at a reservoir in Cornwall**

traditional technology, Aquafide says. And, according to the company, the technology reduces both carbon footprint and costs.

In a recent project at College Reservoir No. 4 in Penryn, Cornwall, South West Water saved £500,000 in capital expenditure and over £400,000 in electricity costs over the 25-year project life, compared with the conventional de-stratification solution. The company believes this will also mitigate 1,950 tonnes of CO<sub>2</sub> emissions.

SolarBee has been developed in the USA over the last ten years and is now a leading non-chemical solution for reservoir restoration in North America.

Speaking of the TAG experience, Aquafide's engineering director, Mehdi Siami, said: "We were able to present our technology to very influential people who were gathered specifically to seek innovative solutions and accelerate their introduction into our industry. In fact, every time we have met forward-thinking project managers, they have shown nothing but enthusiasm and lots of support for what we were trying to achieve."