

Badaguish Utilises the Great Outdoors



Badaguish Outdoor Centre, a skills and activities centre in The Cairngorms National Park, has specified a BioWIN wood pellet cascade boiler system from Windhager UK to provide heating and hot water for new buildings on the site, located in the Scottish Highlands.

Owned by the Speyside Trust, the centre is a small independent charity helping children and adults with learning difficulties and other special needs.

Recommended and installed by Glendevon Energy, the 52kW system used in the first phase of the project provides wood pellet heating to three distribution points across two buildings. The two 26kW BioWIN boilers operate together in cascade to provide an impressive output range between 7.5kW up to 52kW to deal with all fluctuating heating requirements as efficiently as possible. The cascade system also allows maintenance work to be carried out without having to shut down the entire heating system within the properties.

The new scheme incorporates a solar domestic hot water system and 1,000 litre buffer tank to capture solar input. The solar collectors use the latest technology to harness the power of the sun and are seamlessly integrated with the BioWIN cascade system to provide a perfect renewable energy solution at the centre.

In phase two of the project, Andrew Mackenzie, Executive Director at Badaguish, is also using an identical 52kW Windhager biomass cascade system to provide environmentally friendly heating to the centre's all-weather campsite comprising 35 modern and self-catering wigwam accommodation. Made from locally sourced timber, the wigwam buildings are located on an isolated 12-acre site. Biomass has been chosen again by the Trust as the best option to reduce energy costs compared to gas heating previously supplied to the campsite.

The team at Badaguish has been impressed with the results gained from installing the system as Andrew Mackenzie comments, "The biomass cascade system from Windhager is a very sophisticated system. We are now hoping to move on to the third phase of the project which will involve using biomass to provide energy to the 17 wigwam accommodation buildings on site."

The BioWIN cascade system from Windhager has previously had success on a number of projects including a recent installation for the National Trust at Dyffryn Mymbyr in the restoration of the estate's 19th century farmhouse and cottage.

All Windhager biomass boilers are MCS certified and therefore eligible for financial support through the Renewable Heat Incentive scheme.