

CASE STUDY

Kestle Barton Cornwall



An 80kW Hargassner wood chip boiler was installed at Kestle Barton gallery and holiday cottages

As part of a sympathetic renovation to an historic Cornish farmstead a Hargassner wood chip boiler was selected to provide heat to many of the buildings.

is delivered to the site and tipped into the storage room next to the boiler house. The fully automatic fuel handling system then feeds the fuel directly into the boiler when needed.

Kestle Barton is an ancient Cornish farmstead situated above the Helford River. Over the last five years the farmhouse has been carefully restored and the barns converted into a gallery and holiday cottages. The project provides a centre for the arts in a beautiful rural setting, finding a new use for old buildings.



The 80kW boiler is designed for fully automatic operation including automatic start up, shut down and de-ashing. The heat exchanger is



fitted with an automatic mechanical cleaning system because a clean heat exchanger ensures high efficiency operation.

For the biomass fuel, seasoned wood chip is supplied from a nearby estate. The wood chip

Name of project	Kestle Barton
Location	Cornwall
Boiler type	Hargassner
Maximum rated output	80kW
Maximum Moisture	35%
Wood fuel specification	Wood Chip
Fuel storage volume	Approximately 15m ³
Maximum particle size	G30
Commissioned	December 2009

Hargassner make around 6000 boilers per year and are the leading manufacturer of wood chip boilers in Austria.

Wood chip boilers are a great way of providing heating

A natural slope was used to allow tipped deliveries on one side and walk in access to the boiler room on the other. A partially subterranean fuel store allows deliveries to happen quickly and with a minimum of disruption.

