Case Study

Pengelly Centre, Buckfastleigh; Guntamatic, Biostar 23 Flex

Pengelly Centre

Customer

The Pengelly Centre is designated as a *Site of Special Scientific Interest* because of its cave studies.
Commercial project- Guntamatic, Biostar 23 Flex

Job Specification

The Pengelly Centre contacted TRECO about how cost-effective a biomass alternative would be in relation to the rising cost of fossil fuel. TRECO did the calculations and worked out they would be making a significant saving if they opted for a biomass alternative. They required heating for the centre and hot water for their showers so TRECO recommended a Guntamatic Biostar 23 Flex with 3.3 Tonne pellet Store. The store can automatically feed the boiler meaning the store should only need to be re-filled 2-3 times annually (this is subject to change as it will vary depending on usage).

Case Study

Model/System Used

Guntamatic, Biostar 23 Flex
3.3 Tonne outside green pellet store

Fuel

Burns wood pellets:

Always make sure that the correct fuel is ordered as these boilers need G30 (which specifies the size) & W30 (which specifies the water content).

Follow Up Assessment

Currently provides heating and hot water with no recorded problems.

Things to take into consideration when undertaking a commercial project like this:

Delivery Access: for the delivery of fuel.

The boiler will always need a flue: the location of the flue will need to be considered.

Fuel storage: you will need somewhere to store the fuel.

Locating the boiler: outhouse, garage or shed.

Heat requirements of the building and the level of insulation.

The quality of the existing system (as it may need replacing).

Planning permission.

3.3 tonne ouside green pellet store

Biostar 23