

# EndoTherm<sup>TM</sup>

CASE STUDY: Rock Grounds  
Rhondda Cynon Taf Country Borough Council



EndoTherm was trailed by Rhondda Cynon Taf County Borough Council (RCTCBC) at their office building, Rock Grounds.

This office building is heated by a 110kW Broag 110 boiler using radiators.

A direct comparison of the usage from half hourly AMR (actual meter readings) was taken by the energy management team at RCTCBC and compensated with data from Cardiff Airport weather station (baseload 15.5°C).

2L of EndoTherm was installed during the summer of 2016 but the trial did not begin until the systems were turned back on at the start of October 2016.



**TOTAL SAVINGS**

**FINANCIAL SAVING**

**£261.32**

**CO<sub>2</sub> SAVING**

**3,316 kg**

## KEY INFORMATION

**Installed:** SEP 2016  
**Trial period:** 4 Months

**Boiler spec**  
110kW BROAG 110

**Volume EndoTherm installed**  
2 litres

Rock Grounds	Usage (kWh)	Degree Days (15.5°C)	Usage/Degree Days (kWh/DD)
Oct 2015 - Jan 2016	63,580	667	95.32
Oct 2016 - Jan 2017	79,201	957	76.49

### Compensated Saving 19.76%

Usage was very similar despite November/December 2015 being the warmest on record at almost 4°C above historical average.

By comparing predicted usage with actual usage (based on degree days) the trial saved £261.32 (1.45p/kWh) and 3.3 tonnes of CO<sub>2</sub> (0.184kg CO<sub>2</sub> per kWh).