

## The IChemE Clean Energy Special Interest Group

### Technical Visit to Dunphy Combustion Ltd, Rochdale, Tuesday 11<sup>th</sup> June

#### **Date and Venue**

Tuesday 11<sup>th</sup> June 2019, starting at 2.00 p.m.

**Dunphy Combustion Limited, Head Office:** Queensway, Rochdale, Lancashire, OL11 2SL



The IChemE Clean Energy Special Interest Group, will be undertaking a visit to Dunphy Combustion in Rochdale on the 11<sup>th</sup> June in the afternoon. There is a limit of 20 people for the visit. A waiting list will be held for allocation on the Friday before the event (7<sup>th</sup> June 2019).

Established in 1964, Dunphy Combustion is family owned and managed. The company designs, manufactures, installs and maintains a wide range of combustion equipment, digital control solutions and turnkey prefabricated, packaged boiler houses. Our products and services are exported worldwide, and the company has won several of the Queen's Awards for Export and Innovation.

The central manufacturing complex in Rochdale comprises three main buildings which house production, research and development and equipment and fuel testing departments.

#### **Timetable of Visit**

2.00 p.m. Arrival and welcome (Parking available)

2.05 p.m. Introductory talk, emissions and NG/biogas firing by Mr Andy Robinson, Bus Develop Manager Dunphy Combustion Ltd

2.25 p.m. Technical Talk on

- Efficient operation and control of combustion with common fuels, e.g. natural gas, and biogas.
- Emissions and the control of products of combustion during turndown and modulation and simultaneous firing of common fuels e.g. natural gas and biogas

3.00 p.m. Visit to Test and Manufacturing Facilities for Design and build of:

- Fuel oil burners and including simultaneous combustion, Special builds for furnace and process burners
- Gas booster
- Natural gas control valves
- Control panels, for Burner and boilers, Sequencing and Interface with site BMS / SCADA packages

3.30 p.m. Support by own R&D for electrical / mechanical design CAD packages for the design and manufacture

4.00.p.m. Wind up and Depart

**Registration available from mid- May at IChemE Clean Energy Website. Steel toe-caped footwear will be required. <https://www.icheme.org/membership/groups/special-interest-groups/clean-energy/> There will be a small charge of £10.00 to cover administration costs.**