



**For Immediate Release**

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## **Riello Premix Burners Improve Heating Performance at Prestigious Scottish Site**

**HUNTINGDON, Scotland, Jan. XX 2020** — A burner upgrade project at a prestigious visitor attraction in Edinburgh involved the replacement of the existing 25-year-old burners with [Riello](#) ultra-low nitrogen oxides (NO<sub>x</sub>) premix burners. Riello Group, a leader in products and services for heating, air conditioning and energy efficiency, is a part of Carrier, a leading global provider of innovative heating, ventilating and air conditioning (HVAC), refrigeration, fire, security and building automation technologies.

The Riello RX1800 1.8MW premix burners, commissioned by contractor T-Squared, have shown exceptionally low NO<sub>x</sub> levels of just 9-10ppm (around 20mg/kWh) throughout the modulation range. This is around half the 40mg/kWh maximum required by some local authorities and also below the Building Research Establishment Environmental Assessment Method (BREEAM) criteria of 24mg/kWh. Consequently, the burner upgrade enabled the aging cast-iron sectional boilers to comply with current and anticipated NO<sub>x</sub> regulations, as well as improve energy efficiency – thereby extending the life of the boilers.

“The client was very keen to improve energy efficiency and meet future standards for NO<sub>x</sub> emissions, while retaining the existing boilers for a few more years,” explained T-Squared’s Garry Wallace. “We therefore suggested replacing the older

burners to achieve better turndown and temperature control with improved efficiency and reduced NO<sub>x</sub> emissions. We considered several manufacturers and selected Riello on the basis of product quality and performance, technical knowledge and customer support.

“We have also upgraded the metering, which will enable the client to monitor gas consumption and confirm the expected 2-year payback period is being achieved.”

Riello RX premix burners feature a unique design that includes a patented pilot ignition system. The result is a very reliable and compact flame with a diameter directly related to the burner firing rate, ensuring precise heat control and optimum efficiency at all loads. Electronic modulation control ensures efficient performance at all heat loads.

Further information: [www.rielloburners.co.uk](http://www.rielloburners.co.uk)

### **About Riello Group**

Founded in 1922, Riello Group is a leader in products and services for heating, air-conditioning and energy efficiency. Headquartered in Legnago (Verona), Italy, Riello operates in over 120 countries. Riello is a part of Carrier, a leading global provider of innovative HVAC, refrigeration, fire, security and building automation technologies. For more information, visit [www.riello.com](http://www.riello.com).



*Caption: A Riello RX1800 1.8MW burner*