



# heat transfer society

**WEBINAR FORUM**

**Thursday 22nd October 2020**

## **“COST EFFECTIVE ULTRA-LOW NO<sub>x</sub> BURNER RETROFIT SOLUTIONS”**

*Tom Nicholson, Technical Sales Engineer, Zeeco Europe*

Compliance with European Emissions Directives and Furnace Safeguarding Standards can be a challenge for many furnace owner/operators, as the price of advanced NO<sub>x</sub> reduction technology continue to rise and furnace safety requirements become more arduous. Zeeco specialise in retrofit burner solutions that are capable of achieving NO<sub>x</sub> emissions under 100 mg/Nm<sup>3</sup> whilst minimising the initial capital investment costs and modifications required to the existing furnace asset. Zeeco also specialise in the design, supply and implementation of BMS and high performance flame scanners, which are effective at suppression of unwanted background signals within the furnace.

Zeeco will present a case study from a European ammonia production facility where Zeeco upgraded the primary reformer furnace in two phases to meet the customer's budgetary requirements. In the first phase, Zeeco designed and supplied a combustion control system for implementation on the primary reformer safety system and the electronic pilots and flame scanners were upgraded to comply with EN-746 standards. In the second phase, the 105 down fired burners on the reformer were retrofit with a GB Single-Jet Ultra-Low NO<sub>x</sub> Emissions kit. By upgrading the burner internals only, the burner was converted to an Ultra-Low NO<sub>x</sub> model which achieved NO<sub>x</sub> emissions below 100 mg/Nm<sup>3</sup>.

The presentation will start at **12 pm** (for one hour)

**Free Webinar Registration Link:** [Click Here](#)

### **Future events**

- ❖ 24<sup>th</sup> November 2020, webinar forum – ‘Bringing it All Together – Realize the Cost Impact of Engineering Decisions’ by Frank Ashley IV and Hans U Zettler of HTRI.

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