



heat transfer society

WEBINAR FORUM

Wednesday 23rd September 2020

“Improved Economics & Plant Operability by Enhancing Heat Exchanger Performance”

Martin Gough (Managing Director, CALGAVIN) and Tom Higley (Sales & Business Development Manager, CALGAVIN)

De-bottlenecking activities where operators of plants can process more product through units within the same plot space and existing heat exchangers, save both capital and operating costs, improving plant economics with short payback times. Secondly, an equally important benefit gained from improved heat exchanger performance is reduced energy consumption when heating or cooling of process streams contributing to greener production.

For 40 years, CALGAVIN® has specialised in this field and built up unrivalled expertise in the thermal design and analysis of process plants. The company was founded on the development and sale of the tube side heat transfer technology hiTRAN® Thermal Systems. During this discussion, the CALGAVIN team will highlight the opportunities available in process plants where key heat exchangers can be improved in their efficiency using the successful CALGAVIN product, hiTRAN®.

Examples of retrofits and the corresponding detailed analysis will be shown, supported by the focussed research behind CALGAVIN's products and process warranties.

The presentation will start at **3 pm** (for one hour)

Free Webinar Registration Link:

https://us02web.zoom.us/webinar/register/WN_ACgGVZ5cSDGhZvH4PI0Jjg

Future events

- ❖ 22nd October 2020, webinar forum – Tom Nicholson of Zeeco Europe will speak about burners for fired heaters.

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Speaker Bios



Martin Gough

Martin is the founder and Managing Director of CALGAVIN Limited, formed in 1980 to research and develop enhancement solutions to improve the performance of tubular heat exchangers and reactors. The company now provides a range of products and services in the field of heat exchange engineering including hiTRAN tube-side enhancement systems, thermal design, performance analytical services and de-bottleneck studies together with process-specific new product development, and testing. The company invests extensively in both fundamental and applied research. Martin has developed extensive experience internationally through the incorporation of university research programmes with on-going industrial needs. His effective communication skills have been a requirement in developing the company's quality standard for technical presentations given worldwide and now also through webinars.



Tom Higley

Tom joined CALGAVIN® in 2010 initially as a Thermal Process Engineer. He graduated from Loughborough University with a Bachelor of Engineering (with honours) in Chemical Engineering and a Diploma in Industrial Studies. Before CALGAVIN, Tom had previous experience in engineering quality control for a Curtiss-Wright organisation and as a Process Technician within the process industry for British Sugar plc. Tom has experience as a Thermal Process Design Engineer, a role in which he was responsible for thermally enhanced heat exchanger designs using CALGAVIN technology. Tom has progressed to take further roles in Sales over the past seven years and is now Sales & Business Development Manager for the company. He is responsible for overall sales and marketing of CALGAVIN's engineering services and products. Tom's typical tasks involve liaising between customers and the company, being a representative at exhibitions and meeting with external clients, new and existing.

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