

CASE STUDY

HASCO SMART FIRING™ Future-Proofing the Galvanizing Industry



Set to completely revolutionise the galvanizing industry, Hasco-Thermic Ltd has developed **world-leading furnace control technology**, transforming how burners are controlled, and allowing businesses to totally enhance sustainability efforts.

Hasco Smart Firing technology is a retrofittable system, carefully designed using the latest data and analytical techniques to **reduce energy consumption and emissions**.

Whilst also intelligently supplying heat according to the real-time working conditions of your furnace.

Instead of running all burners on a furnace at the same time to achieve a specified bath temperature set point, Hasco Smart Firing controls burners individually, according to a sequence that has been specifically calculated for optimum efficiency.

Not only can it **save time, money, and energy but it can also extend the lifespan of kettles and heat exchangers** by transitioning collective burner control to independent regulation.

At Wedge Group Galvanizing, we are the first UK Galvanizer to implement this pioneering technology, gradually introducing across our 14 nationwide plants.

To date, we can report an average **15% saving on gas**, and depending on the technology level of existing equipment, this is providing a payback of between four to 10 months.

Not to mention a significant reduction in carbon emissions, enhancing our sustainability credentials.

"This innovative furnace technology has made a significant impact to the Wedge Group, helping to reduce both energy usage and costs. Over the next few months, we endeavour to have this fully functioning company-wide, to totally take advantage of the benefits.

"The new technology contains many remote monitoring and analysis benefits, combined with alarms and automated notifications for our on-site leadership teams. Not only have our operations been more efficient, but it's also a significant step in our progress towards government CO2 reduction targets and our ultimate objective to be a Net Zero business."

David Nobes, Technical Services Director at Wedge Group Galvanizing Ltd



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