



Department for  
Business, Energy  
& Industrial Strategy

# Jobling Purser

Industrial Heat Recovery Support (IHRS)  
Programme Case Study

November 2021

## Context

Jobling Purser specialise in coated aggregates and bitumen supplies, primarily for the Highways Industry. Seeking options for energy reductions in the Asphalt Plant – specifically the 16MW direct-fired oil burner – they planned to offset their carbon footprint with their first ever heat recovery solution.

## How IHRS supported the project

We kicked off phase one with a feasibility study into recovery and re-use of lost heat. The primary area of consideration for heat recovery is the rotary kiln which dries and heats the roadstone materials, with the chimney stack and aggregate chute also being closely examined. We are especially interested in the possibility of supplying the local E.ON District Heating Scheme – who are just 0.5km from our site – with recovered heat.

Carried out by external experts re:heat (Renewable Technologies) Limited, the funding for the study from the IHRS revealed the potential financial burden that would have made this project a nonstarter.

## Benefits and added value

We have only just completed phase one but already the study kicked off a wider conversation and increased awareness across our whole business surrounding our environmental impact.

Not only have we been able to focus on large heat loss areas but also look more closely at smaller issues around the site, such as increasing pipe lagging and investigating the installation of solar panels.

## Lessons learned

The study revealed to us that the potential energy gains are not as substantial as we first thought, with the downtime needed for repair following a retrofitting of heat recovery equipment would be too great.

Although we are not progressing to phase two, we remain committed to reducing our demand for energy and will continue to look for ways we can reduce our impact – and we even found some that will deliver reductions in heat losses, fuel use and carbon emissions, which we will carry out in the near future.

**“We value the opportunity to take a new look at our business with the help of the IHRS funding. It will shape future plant and equipment purchases ensuring we do what we can to reduce our environmental impact.”**

David Jobling-Purser, Sales and Marketing Director



Jobling Purser Asphalt Plant, Newcastle upon Tyne



Thermal Image of Aggregate Heating Drum

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This publication is available from: [www.gov.uk/guidance/industrial-heat-recovery-support-programme-how-to-apply](https://www.gov.uk/guidance/industrial-heat-recovery-support-programme-how-to-apply)

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