



Department for  
Business, Energy  
& Industrial Strategy

# Iggesund Paperboard gets the paper

Industrial Heat Recovery Support (IHRS)  
Programme Case Study

## Context

If you live anywhere in the UK, chances are that you are one degree of separation from a certain paper mill in Workington, Cumbria, where Iggesund Paperboard's trademark Incada folding box board is manufactured. The only mill of its kind in the country, the site is home to 400 employees and produces 220,000 tonnes annually of the premium grade folding box board for clients in a range of end use areas; including pharmaceuticals, confectionary, healthcare, food and drink. Clients for whom energy efficiency and sustainability are absolutely critical, says Divan Strydom, the company's Energy Engineer whose brief is to shape the energy roadmap for the Workington site. Unsurprisingly, Iggesund Paperboard takes after their parent company, the Holmen Group, which was ranked number 21 on the 2017 Global 100 index of the most sustainable corporations in the world, the only forestry products company on the list.

## How the IHRS supported the project

One of this year's planned energy roadmap projects at Workington involves flue gas heat recovery to pre-heat incoming condensate for their biomass Combined Heat and Power (CHP) plant – a sustainability initiative from 2013 that has made the site heat and power self-sufficient, saving 200,000 tonnes of CO<sub>2</sub> each year. The challenge, however, is that with competing internal interests, some planned projects never get off the ground.

The IHRS Programme was a motivator for progressing this project, says Divan; he sees this as an opportunity to tie up another loose end in the site's resource loop. If all goes to plan, their in-house investment coupled with IHRS grant funding could help to save another 600 tonnes CO<sub>2</sub> annually. The Department for Business Energy and Industrial Strategy (BEIS) awarded £15,898 to Iggesund Paperboard in February 2019, as part of the Industrial Heat Recovery Support (IHRS) Programme, towards carrying out Feasibility Study and Preliminary Engineering activities for their Workington site heat recovery project.

## Benefits and Added Value

Launched by the government in 2018, the IHRS programme is open to all industrial manufacturing sectors and data centres in England and Wales. With a total funding pot of £18 million for both early stage feasibility assessments and more progressed implementation projects, the programme aims to increase the deployment of heat recovery technologies in the country. This is an excellent opportunity for manufacturing businesses to lower their fuel costs whilst cutting their emissions, says Gary Shanahan from BEIS; the IHRS encourages companies to make their waste heat work for them. We are excited to support businesses to get these clean growth projects off the ground.



### Iggesund Paperboard

Considering the waste heat from refrigeration alone in the food and drink sector or from process heating in the chemicals sector, the amount of heat that can be repurposed across industry for pre-heating, electricity generation or even cooling is significant. This is no news to Iggesund Paperboard's Energy Engineer, who says the IHRS programme could easily be 10 times its current size, but acknowledges that it takes hard work to get these projects going. To potential IHRS programme applicants, his advice is to be committed and to have a long-term view and strategy.

*"Not all projects turn into something, but you need to take a systematic approach and just keep going."*

*Iggesund Paperboard's Energy Engineer*

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

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