



Department for
Business, Energy
& Industrial Strategy

Industrial Heat Recovery Support Programme

Successful applications



OGL

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Industrial Heat Recovery Support Programme (IHRS)

Successful Applications

This document covers: the successful applicants; the sectors they have come from; the amount of grant awarded; the technologies planned for deployment; and the regions, in which the sites are based.

Company	Sector	Grant Awarded (£)	Waste Heat Recovery	Waste heat transfer	End Energy Use	Region
Phase 1 Assessment Window 1 (Jan-Feb 2019)						
Iggesund Paperboard	Paper and Paperboard	15,898	Flue gas heat exchanger	air-to-water	Boiler feedwater	Cumbria
Phase 1 Assessment Window 2 (Feb-Mar 2019) – no funding awarded						
Phase 2 Assessment Window 1 (Feb-Mar 2019)						
Karro Food Limited	Processing and Preserving Meat	137,323	Steam boiler flue gas	Economiser using water spray	Boiler feedwater	North Yorkshire

Company	Sector	Grant Awarded (£)	Waste Heat Recovery	Waste heat transfer	End Energy Use	Region
Phase 1 Assessment Window 3 (Apr-May 2019)						
Speciality Steel UK Limited	Basic Iron and Steel	34,749	Furnace flue gas	Flue gas heat exchanger	Electricity (ORC)	Sheffield
John Wainwright & Co. Limited	Other non-metallic mineral products	5,264	Process flue gas	Air-to-air compressor waste heat exchanger	Process air pre-heat	North East Somerset
Speciality Steel UK Limited	Basic Iron and Steel	74,603	Furnace flue gas	Flue gas heat exchanger	Electricity (ORC)	Rotherham
Advance Tapes International Limited	Glues	41,745	Oxidiser flue gas	Multiple	Multiple	Leicester
Basell Polyolefins UK Limited	Plastics in primary forms	40,680	Process waste heat	Recycling heat flow integration	Process heating	Manchester

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Wienerberger Limited	Bricks, tiles and construction products, in baked clay	9,766	Kiln flue gas	Exhaust gas ducting	Electricity (ORC)	Staffordshire
Phase 2 Assessment Window 2 (Apr-May 2019)						
Yeo Valley Farms Limited	Milk and Cream	19,380	Chiller waste heat	Plate type heat exchanger	Hot water usage	Somerset
Solutia UK Limited	Other organic based chemicals	197,211	Boiler exhaust flue gas	Economiser using water spray	Boiler feedwater	Newport
Phase 1 Assessment Window 4 (Jun-Jul 2019)						
Atlas Copco IAS UK Limited	Fasteners and Screw Machine Products	10,098	Process waste heat (heat treatment)	Integrated heat exchanger (Air-to-water/oil)	Process heat	Flintshire
Esseco UK Limited	Inorganic basic chemicals	76,764	Process waste heat (Sulphur)	Waste heat recovery boiler	Steam generation	West Yorkshire

Company	Sector	Grant Awarded (£)	Waste Heat Recovery	Waste heat transfer	End Energy Use	Region
Castle Cement Limited	Cement	14,368	Flue gas from kiln and clinker cooler	Integrated heat exchanger (Air-to-oil)	Electricity	Berkshire
Phase 2 Assessment Window 3 (Jun-Jul 2019) – no funding awarded						
Phase 1 Assessment Window 5 (Aug-Sep 2019)						
Castle Cement Limited	Cement	28,334	Waste heat from the kiln main stack	Via pressurised hot water	Containerised conveyor dryer or similar technology to dry SRF (fuel)	Berkshire
Phase 2 Assessment Window 4 (Aug-Sep 2019)						
John Wainwright & Co. Limited	Other non-metallic mineral products	56,837	Process flue gas	Hot air ducting	Process combustion air heating	North East Somerset
Saint Gobain Construction Products UK Limited.	Plaster products for construction purposes	216,000	Exhaust gases from plasterboard dryer	Heat Exchanger	Electricity	Coventry

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Phase 1 Assessment Window 6 (Oct-Nov 2019)						
Advanced Colour Coatings	Other manufacturing	15,960	Curing oven fuel gas	Thermal fluids	Combustion air pre-heat. Absorption cooling.	Birmingham
Castle Cement Limited	Cement	32,200	Cement kiln	Thermal oil or pressurised hot water	Oxygen enrichment (nitrogen removal)	Berkshire
Electric Glass Fiber	Glass Fibres	12,722	Furnaces, chillers, compressors.	Hot oil, hot water, steam.	Steam boilers, gas hot air ovens, domestic heating and hot water systems	Lancashire
Phase 2 Assessment Window 5 (Oct-Nov 2019)						
Lucite	Plastics in Primary Forms	1,500,000	Waste steam and steam energy	Steam	Electricity generation	Stockton-on-Tees

Company	Sector	Grant Awarded (£)	Waste Heat Recovery	Waste heat transfer	End Energy Use	Region
Phase 1 Assessment Window 7 (Feb - Mar 2020)						
Jobling-Purser	Tar products	61,065	Process flue gas/storage tank	Hot water loop	District heating	Newcastle Upon Tyne
Pilkington Technology	Other glass products	22,518	Glass furnace flue gas	Air to air heat exchanger	Process combustion air heating	Lancashire
Mil-Ver Metal	Aluminium	31,093	Smelter flue gas	Gas air to air heat exchanger	Process combustion air heating	Coventry
Cargill HX202	Starches and starch products	21,480	Process waste heat (biofuel)	Fin/tube heat exchanger	Process heating (dryer)	Manchester
Rakusens	Rusks, biscuits, preserved pastry goods and cakes	15,500	Process flue gas (ovens)	Multiple	Electricity generation, cooling, hot water or process combustion air heating	Leeds

Company	Sector	Grant Awarded (£)	Waste Heat Recovery	Waste heat transfer	End Energy Use	Region
Phase 2 Assessment Window 6 (Feb - Mar 2020)						
Cargill Preheat	Starches and starch products	93,533	Flash Steam	Plate/shell heat exchangers	Process heating	Manchester
AMP Holdings	Hollow glass	1,485,950	Glass furnace flue gas	Organic rankine cycle	Electricity generation	South Yorkshire
Kimberley Clark Northfleet	Other articles of paper and paperboard	240,946.51	Process waste heat	Waste heat recovery steam generator	Process heating (dryer)	Kent
Esseco Phase 2	Inorganic basic chemicals	270,000	Process waste heat (sulphur)	Waste heat recovery boiler	Steam generation	West Yorkshire
British Sugar	Sugar	50,000	Process waste heat (condensate)	Liquid to liquid plate heat exchanger	Process heating	Norwich
NGF Europe	Glass Fibres	298,109.95	Pollution control plant flue gas	Air to air heat exchanger	Process combustion air heating	Merseyside

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