








Subject: Hukseflux Thermal Sensors reference list
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Hukseflux Thermal Sensors is specialised in heat flux- and thermal conductivity measurement. The company focuses on technology and not on specific markets.

Thermal sensors designed by Hukseflux are employed in many different applications. Some examples are given below.

GENERAL INDUSTRIAL APPLICATIONS

Ticor South Africa	Titanium furnace monitoring	Safety, process monitoring	NF01	
Corus	Steel blast furnace monitoring	Safety, process monitoring	NF01	
Alcan	Aluminum furnaces	Study and optimisation	HF01	
Energie Centrum Nederland	Experimental boiler for biomass co-firing	Study, fouling detection	RHF01	
Hydro Aluminium Germany	Aluminium furnaces	Study and optimisation	HF01 and ALUSYS	



Glaverbel Belgium	Glass production	Study of energy balance	HF01	
Comalco Research & Technical Support	Aluminum furnaces	Study and optimisation	HF01	
NASA Glenn Research Center	High heat flux in rockets	Scientific study	NF02	
Volvo Cars	Environmental testing	Simulation of solar exposure	LP02	
Sumitomo Chemical Industries	Thermal conductivity Testing	Plastics analysis	THASYS	
Dubai Aluminium	Aluminium furnaces	Study and optimisation	HF01 and ALUSYS	





FOULING DETECTION

Exxonmobil	Fluidised bed	Process improvement, fouling detection	HF05
Unilever	Fouling research in food industry	Process improvement, fouling detection	HF05
Clyde Bergemann Power Group	Coal fired electrical power plant	Process improvement, slagging and fouling detection in power plants	CBW01
RWE	Coal fired electrical power plant	Process improvement, slagging and fouling detection	CBW01
VTT process	Biomass fired electrical power plant	Study, fouling detection	RHF01



METEOROLOGY

Campbell Scientific	Eddy correlation systems	Integration in systems	HFP01, NR01	
Priva	Greenhouse automation	Integration in systems	LP02	
Wilhelm Lambrecht GmbH	General meteorological AWS	Integration in systems	LP02	
Wageningen University	Radiation balance studies	climate research	NR01	
CNRS	Radiation balance studies	climate research	NR01	







SOLAR CONCENTRATORS

Abengoa Solar New Technologies	Solar concentrator heat flux	Process optimisation	SCS02	
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GENERAL THERMAL RESEARCH

AKZO Coatings	Paint thermal conductivity measurement	determination of material properties	THASYS	
Teijin Twaron	Composite thermal analysis	determination of material properties	THASYS	
Deloro Stellite	Slurry thermal analysis	determination of material properties	THASYS	
Shell Global Solutions UK	Oil thermal analysis	determination of material properties	THASYS	
CTG Italcementi Group	Cement curing study	determination of material properties	HFP01	
Mapper Litogrphaphy	Design of experiment	determination of equipment performance	Special design	



KEMA

Plastics thermal analysis

determination of material properties

THASYS



Basell

Plastics thermal analysis

determination of material properties

THASYS








BUILDING RESEARCH

Building Research Institute	Building thermal analysis	determination of insulation	HFP01
Acciona Infrastructures	Building thermal analysis	determination of insulation	HFP01
Gobierno Vasco -Departamento de Vivienda	Building thermal analysis	determination performance of building elements	HFP01
Universität Stuttgart	Building thermal analysis	determination of insulation	HFP03








OVEN PERFORMANCE ANALYSIS

Masterfoods	Oven analysis	Study of process, optimisation	RC01	
Stork	Oven heat flux monitoring	Study of process, optimisation	RC01	
Allied Bakeries	Oven analysis	Study of process, optimisation	RC01	





SOIL ANALYSIS

Fugro	Soil thermal conductivity analysis	Electricity survey	TP02	
Institut für Weltraumforschung (IWF)	Reolith thermal conductivity analysis	Lunar rover design	Special	
Olex Australia PTY Limited	Soil thermal conductivity analysis	High-voltage cable survey	FTN01	
Prysmian Cables & Systems	Soil thermal conductivity analysis	High-voltage cable survey	TNS01	
British Geological Survey	Soil thermal conductivity analysis	Geological survey	FTN01	



**FIRE -FLAME-FLARE
RESEARCH**

Zecco Inc	Flare monitoring	Offshore platform safety	HF03
Tyco Thermal Controls	Fire research	Flammability testing	SBG01
John Zink USA	Oil drilling platforms	Safety system for flares	HF02

