



Metals Casting & Processing

Multi-point particulate monitoring, local authority compliance
Data logging, trending and reporting for non-expert operation

Metals casting and processing plants can involve a number of different heating and forming processes on the same site. Emissions to atmosphere from these processes is generally regulated by Local Authorities and limits are set out in their Permit to Operate. The main concern is local release of particulate matter, which can come from a number of smaller individual processes, mitigated and managed by filter plant. Many plant operators are expert in their field of metals production, but cannot allocate resource for managing and reporting plant emissions.

Focal-NET networked particulate monitoring systems can provide an easy-to-use, multi-point system, with clear graphical user interface, locally workshop mounted, with capability of displaying data and reports via plant network. Coupled with on-site service and support, the headache of environmental compliance can easily be removed.



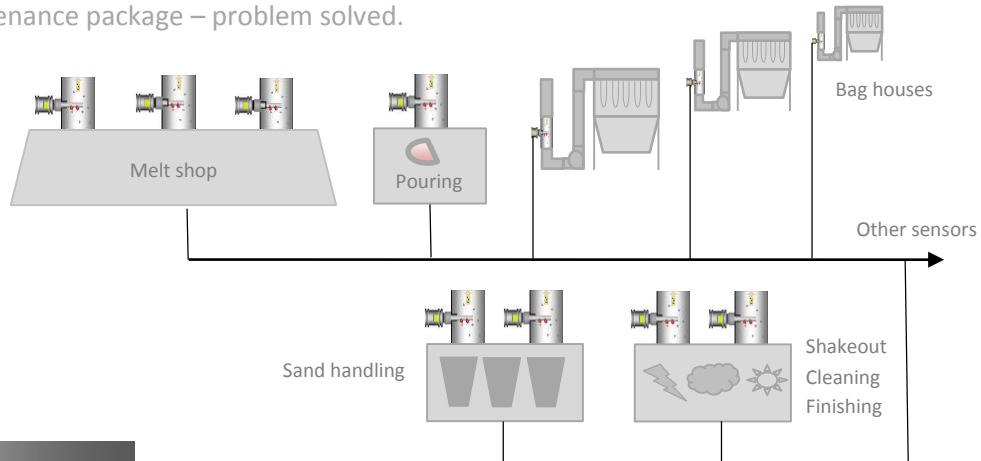
Technology at work for you



A leading UK manufacturer of cast products was faced with logistical challenge of recording and reporting emissions from multiple sources spread over a large site. Lack of expert emissions knowledge at each process location increased the challenge of a consistent approach to monitoring.

Focal-Point provided sensors, network, local display, reporting system, training and maintenance package – problem solved.

Compact, sensitive triboelectric dust sensors mounted in correct location to provide representative, fast-response measurements.

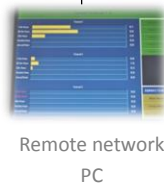


Customer Benefits

"We have between 9 and 14 emissions points operating at different times. Our Focal-NET system records all plant on/off status, calculates the emissions averages we need to report without intervention"

Focal-NET datahub with colour HMI, locally mounted in maintenance area. Connected to sensors via RS485 network

Remote access to complete system, diagnostics and report generation via LAN, Internet or GSM



Measurements, averages, alarms, down-time – all logged and presented, ready for easy inspection

Compliance Report

The Focal-Point Solution

Item	Type	Model
Sensor	Triboelectric dust	EMS6
Network	Focal-NET	N15
Reporting	Auto-template	Local Authority
Maintenance	Service contract	Annual, 2 visits

Delivered, maintained.....solved

Local Partner



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