



Case Study

How Smart Sensor
Technology **Saved a**
£17,000 Downtime and
Repair Bill on a **SINGLE**
Failing Motor

Dust to dust

Dust and dirt contamination is a common cause of expensive motor failure.

In all types of industry - including food production, recycling, chemicals and pharmaceuticals, dust can surround the motor or settle on it in layers. But the cumulative threat of dust, the risk of combustion and the potential danger of other motor damage caused by resultant high temperatures and excessive vibration can be hard to detect.



The Common Cost and Inconvenience of Motor Failure

With many businesses still only checking motor health over 4 and 6-week manual cycles, it's a danger that will often only reveal itself when it's too late.

When the motor fails.

When the motor fails and results in thousands of pounds of worth of expensive downtime and repair costs.

A clear and present danger faced by one of our Smart Sensor customers - a Manchester recycling company.

Forewarned is Forearmed

With dust particles quickly accumulating to cover the cooling fan cowl it was only a matter of time before a production critical electric motor would overheat.

And it would have overheated. Inevitably. Expensively. If the motor hadn't been fitted with a Smart Sensor and the threat automatically

flagged up to a CPM reliability engineer.

With real time notification of the motor's high skin temperature and impending failure, our engineer quickly alerted the client who then took immediate proactive action, quickly scheduling in the fan cowl clean to avoid the motor failure.

The Right Information at The Right Time

Nothing complicated. Nothing expensive or time consuming. Nothing more than a quick, planned clean.

Simply a case of the right information, at the right time, prompting the right preventative action.

Preventative action that in this instance saved our client £17k - on ONE motor:

- £5k of production lost in the first hour
- PLUS: £1k for every subsequent hour
- PLUS: The cost of the repair itself
- PLUS: The opportunity cost of other important maintenance work not carried out on other machines



Little wonder that so many businesses are turning to CPM smart sensor technology.

Advance warning tech that keeps you one step ahead.

The smart way to:

- Reduce downtime by 70%
- Expand motor life by 30%
- Improve energy efficiency by 10%



Secure Your Motors and Your Budgets

Time to learn more about how CPM Smart Sensors can radically reduce the cost and inconvenience of your motor failures?

Contact Rishi Hirani at

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Find out about our 'Pay as you go' options and **FREE** Smart Sensor 'proof of concept' trials.

And don't forget to ask about how we save customers tens of thousands of pounds every year with our fixed fee maintenance packages.

That's right. We're so confident in our Smart Sensor cost savings we'll **GUARANTEE** all motor and maintenance - all at our own risk.