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Written & issued by Michell Instruments Ltd.
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PRESS RELEASE

Controlling the risk of explosions caused by dust: new case study

A new case study which describes a solution created by Michell Instruments to mitigate the risks caused by dust explosions in a sewage plant is now available to download.

Storing, transporting or mixing large quantities of dust creates a risk of explosion. Because the dust particles are small, they can easily ignite in the presence of oxygen and cause a potentially devastating explosion due to the sudden release of energy.

The case study examines how the specific needs of a European customer led to Michell designing [an integrated monitoring system for a water treatment plant](#). The customer operated a plant where sewage sludge is dried with a combination of mechanical pressing and heated air. Both CO and O₂ have to be monitored in the silos where this process takes place to ensure the atmosphere is non-explosive.

Michell's solution combined the [XTP601 thermo-paramagnetic oxygen](#) analyzer with a carbon monoxide analyzer in a single system for ease of use. Read the full case study [here](#).

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Notes for Editors

About Michell Instruments

[Michell Instruments is a worldwide leader in the field of moisture and humidity measurement solutions.](#) With four decades experience, Michell designs and manufactures a wide range of sensors, instruments and customized systems capable of measuring dew-point, humidity and oxygen in applications and industries as diverse as compressed air, power generation, petrochemical, oil and gas, food processing and pharmaceutical. Michell's innovative products make processes cheaper, cleaner, more energy efficient and safe.

The company, which is part of the Process Sensing Technologies group, has multiple manufacturing locations across Europe with their international headquarters located in Ely, UK and a North America sales and service headquarters located in Rowley (MA). It has its own facilities in 10 countries with an extensive network of factory trained application and service engineers, subsidiaries and distributors stretching across 56 countries.

<http://www.michell.com/uk>

About Process Sensing Technologies

Process Sensing Technologies (PST) provides a comprehensive suite of instruments and analyzers for precision measurements. Essential for industrial process control, these products ensure process safety, increase plant efficiency and reduce fuel use -- saving customers millions of dollars each year. The PST Group has a global presence with multiple locations in Europe, Asia and the Americas and looks for more opportunities to continue its growth through investment into new markets. www.processsensing.com