



## FOR IMMEDIATE RELEASE

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## GSS set to unveil groundbreaking CO<sub>2</sub> sensor at 2017 AHR EXPO

*CUMBERNAULD, United Kingdom, January 27, 2017* – Responding to market demands for more compact, slimline devices, [Gas Sensing Solutions](http://www.gassensing.com) is launching a new CO<sub>2</sub> sensor aimed at Building Control, HVAC, IAQ and DCV applications at the forthcoming AHR EXPO running from 30 Jan - 1 February in Las Vegas.

A smaller version of GSS' current CozIR, CozIR LP is the latest generation of this hugely popular product and is fully compatible with the existing device.

CozIR LP's physical volume is 85 percent less than the envelope of the current sensor and as with all GSS CO<sub>2</sub> sensors it uses SmartIR LED-based technology, allowing for simplified systems and a robust design.

Just like size, power matters, especially for remote "Internet of Things" infrastructure. Operating at a speedy 2 samples/second, the CozIR LP requires a miserly 3mW of sustained power and equally important, a peak pulse current of only 33mA – addressing the major Achilles heel of CO<sub>2</sub> sensors in the current-limited environment typical of sensing applications, particularly those which are battery powered.

In fact, the new CozIR LP can be supported by a compact low energy density battery, negating the need for larger batteries and supercapacitors.

Grant Notman, who was recently appointed as Business Development Director at GSS comments;

"With the advent of smart cities and increasing environmental awareness, the monitoring and control of CO<sub>2</sub> has become a key green issue. Architects and building managers are now specifying elegant, thin sensor enclosures for consumer/public structures so the CozIR LP, with a height of less than 8mm, provides the ideal CO<sub>2</sub> sensor solution."

Ralph Weir, who took over the role of CEO at GSS in December, adds:

"This new sensor release represents the next node of the evolving GSS leadership CO<sub>2</sub> sensor roadmap and offers an ideal upgrade path for space sensitive and evolving battery powered wireless applications. We have a culture of constant innovation at GSS and CozIR LP is effectively "version 3.5".

"With every iteration, we try to improve every possible facet - this is a far more streamlined design, losing none of the performance whilst adding a greater flexibility for our customers who are seeking ever smaller components. We are hugely looking forward to launching it at AHR Expo this week - you can find GSS at booth C1072."

AHR Expo, which started 85 years ago as a heating and ventilation show, has grown into the HVACR event of the year and is held in major cities across the U.S.

The 2017 Show will be in Las Vegas, hosting more than 2,000 exhibitors and attracting crowds of 60,000 industry professionals from every state in America and 150 countries worldwide.

It provides a unique forum designed expressly for the HVACR community, allowing professionals to get together to share new products, technologies and ideas.

For more information, visit <http://www.gassensing.co.uk/>

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### **Quick Facts on the GSS CozIR LP**

- \* Physical volume is 80 percent less than that of the current CozIR
- \* Can run from a ½ AA battery
- \* Uses SmartIR LED-based technology
- \* GSS is exhibiting at AHR Expo 2017 booth C1072

### **About Gas Sensing Solutions (GSS)**

Founded in June 2006, Gas Sensing Solutions (GSS) is a leading designer and manufacturer of low power, high speed Non-Dispersive Infrared (NDIR) carbon dioxide gas sensors.

GSS has industry specialists on hand, committed to providing exceptional customer service and support. GSS supply to 46 countries worldwide and have installed around 150,000 sensors globally.

GSS CO2 sensor technology is suitable for a number of industries and applications including building and control, food packaging, indoor air quality, horticulture, diving, industrial safety and many more.

In addition to being a national winner of the Institute of Physics award for Innovation in July 2014, GSS won first prize in the Shell Spring Board awards in 2012 and five TSB Awards.

Innovation and exceptional customer service form a major part of our aggressive growth strategy. Commitment to research and development and pioneering sensor technology will all shape the future of GSS.

GSS is an ISO9001:2008 certified company (Certificate No. FM585046 - valid until 2018).