



## **WIKAI USA Partner Phase IV Engineering Launches New Wireless Sensor System**

May 26, 2021

**Lawrenceville, GA – Phase IV Engineering launches the next generation of its Leap Sensors® Wireless Sensor System for the Industrial Internet of Things.**

Phase IV Engineering, a WIKAI USA partner, launches its newly redesigned industrial IoT sensor system, Leap Sensors. It combines the advantages of a wireless IIoT system with the robust features industrial and enterprise clients require.

“Phase IV Engineering has been doing custom sensor design work for 25 years, and we saw an opportunity to integrate those cutting-edge design features into a system that meets the needs of Industry 4.0. It is easy to configure, install and update, making the leap to the IIoT simple and cost-effective,” says Phase IV Engineering’s CEO Scott Dalgleish. The breakthrough modular design of Leap Sensors has many advantages, including:

- The ability to combine multiple types of sensors (including analog inputs) on one transceiver node. Option to interface with a client’s existing software (such as SCADA), or use Leap’s cloud-based software.
- A powerful onboard microprocessor that leverages edge computing so managing high-volume readings (vibration, for example) does not become a burden on storage software – and the humans who have to interpret it.
- AES-128 encryption of data transmissions.
- Initial proofs-of-concept are easy and cost-effective to execute.

Phase IV ensured the external design of the sensor transceiver nodes is just as robust, with a rugged polycarbonate enclosure rated to IP68, UL 94 V-0 (non-Ex rated) flammability rating, as well as an integrated internal antenna. At this time, Leap is not offering an intrinsically safe-rated enclosure. The enclosures can withstand the dust and vibration of an industrial environment, including wash-downs.

press release



“Because of our streamlined design and installation process, our customers typically see an ROI within three months,” says Dalglish. “A client who installed our motor sensor system detected a motor that was about to fail within the first two weeks after installation, turning what could have been a \$200,000 loss--downtime, lost product, replacement expense-- into a manageable \$3,500 scheduled repair. We are proud to know we are producing real results.” Learn more about Leap Sensors in this [blog post](#), or on [Phase IV’s website](#).

### **About WIKA**

For 75 years, WIKA has continuously advanced instrumentation for pressure, temperature, level, and flow measurement. Leveraging decades of experience, we developed a broad selection of stock and custom instrumentation as well as engineering services to support plant safety, productivity, and profitability. A global leader in lean manufacturing, WIKA has manufacturing locations around the globe, which enables flexibility and the ability to meet high delivery demands. [www.wika.us](http://www.wika.us)

### **About Phase IV Engineering**

Phase IV Engineering, Inc. has been a pioneer in wireless sensing for over 28 years. Their latest Leap Sensors® product line leverages the team’s expertise with wireless technology and edge computing. It is a complete, adaptable system that meets the demanding needs of industrial clients. Phase IV offers both off-the-shelf and customized systems for specific industrial applications. For more information, visit [www.phaseivengr.com](http://www.phaseivengr.com). Follow us on [Twitter](#), [LinkedIn](#) and [YouTube](#).

Number of characters: 2,754

Key word: Industrial Internet of Things

### **Manufacturer**

WIKA Instrument LP  
1000 Wiegand Boulevard  
Lawrenceville, GA 30043, USA  
Tel: 1-888-945-2872  
[info@wika.com](mailto:info@wika.com)

[www.wika.com](http://www.wika.com)

WIKA USA press release 02/2021

press release



**WIKA company photograph:**



**Edited by:**

WIKA Instrument LP  
Media Contact: Jessica Woodside  
1000 Wiegand Boulevard  
Lawrenceville, GA 30043, USA  
Tel: +1 (770) 338-5103  
Jessica.woodside@wika.com  
[www.wika.com](http://www.wika.com)

WIKA USA press release 02/2021

press release