For Immediate Release:

Micralyne demonstrates MEMS Technology Platform for next generation miniaturized low-power gas sensors at MEMS Sensing and Network System 2017, Japan

Chiba-city, Chiba, Japan, October 4, 2017 -- Micralyne Inc., a leading manufacturer of MicroElectroMechanical Systems (MEMS) and sensor supplier, demonstrates standard silicon process technologies and process modules for the development and production of low-power, environmental gas sensors. These new capabilities expand existing standard MEMS building blocks and provide the designer with miniaturized, low-power gas sensing structures required to address current Gas Sensors market specifications.

The Gas Sensors market is changing dramatically; driven by new large-volume consumer applications such as smart IoT enabled wearables and regulatory changes related to environmental air quality. Incumbent gas sensing technologies are experiencing new technical challenges such as dramatic size reduction, low power, increased selectivity, detection of different types of gases, and wide operating temperatures.

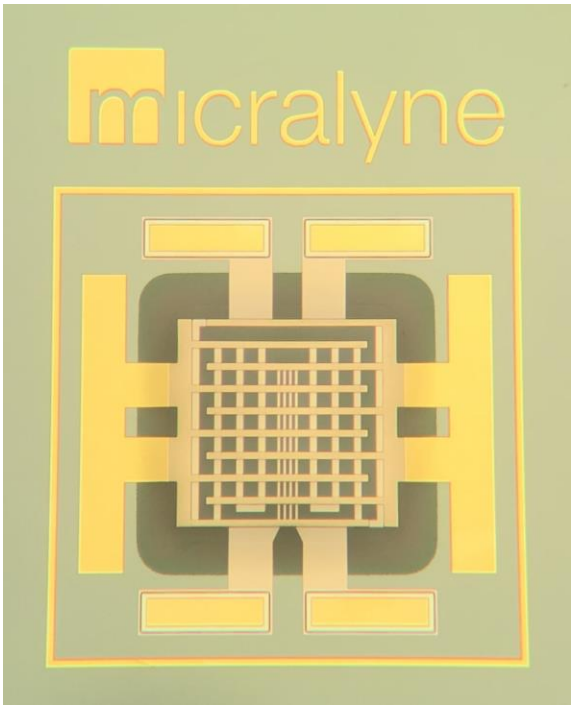

Figure 1: Metal Oxide Gas Sensor with integrated micro hotplate, 1.6mmX1.6mm die size

"Micralyne has seen a growing demand for miniaturized gas sensor building blocks from our clients in Asia-Pacific. In order to accelerate our clients' product designs, Micralyne has developed a set of standard processes to enable fast prototyping and mass-production of environmental gas sensors. We have extensive experience in manufacturing production volumes of gas sensing structures, and specialty films used in similar products such as flow sensing devices for over a decade", said Collin Twanow, VP of Technology. "We are excited to be able to showcase our MEMS technology platform with our Japanese partner Adamant Co., Ltd." Mr. Twanow added.

Micralyne's MEMS Technology Platforms provide a modular approach to MEMS design and enable fast prototyping with semi-custom device implementations, and rapid manufacturing ramp-up without sacrificing product quality and consistency. Micralyne started providing standard processes and MEMS building blocks in 2006 with an effort to lower MEMS development costs and accelerate MEMS time-to-market for customers. The gas sensing technologies presented at the conference will further extend Micralyne's capabilities to enable customers to accelerate their MEMS product launches.

Micralyne and Adamant will be jointly exhibiting at MEMS Sensing and Network System 2017 (http://www.mems-sensing-network.com/), Chiba-city, Chiba, Japan, October 4-6, 2017 at booth 31-H. Mr. Twanow will be providing a presentation titled "Metal Oxide Gas Sensing Material and MEMS Process" at 2:05 pm, Friday October 6th, during the International Session. Our representatives are

available to meet with interested parties at the conference and discuss your MEMS manufacturing needs.

Please visit www.micralyne.com for additional contact information or to arrange a meeting.

About Micralyne Inc.
Micralyne is one of the world's leading independent developers and manufacturers of MEMS and micro-fabricated products. Serving the worldwide growth in sensor applications, Micralyne is a key provider of MEMS sensors and other micro-structures that differentiate exciting applications such as IoT devices, medical technologies and optical communications.

Headquartered in Edmonton, Alberta, Canada, Micralyne's diverse customer base includes Fortune 500 companies, mid-range industrial and biomedical companies, and pioneering high-tech start-ups. With a proven manufacturing track record and a rich development history, Micralyne commercializes complex MEMS devices to enable the intelligence and interactivity of its customers' products. In January of 2015, Micralyne was acquired by FTC Technologies.

-end-

Micralyne Inc.
1911 - 94 Street NW
Edmonton, Alberta, Canada T6N 1E6
Phone: 780-431-4400
Fax: 780-431-4422
Email: info@micralyne.com

Micralyne Japan Representatives:

Adamant Co.,Ltd. - Advanced R&D Div.
1-16-7 Shinden, Adachi, Tokyo 123-8595
Phone: 03-3919-1171
Fax: 03-3913-3434
Email: info@adamant.co.jp

日本代理店

アダマンド株式会社

－先進開発本部－

本社/123-8595 東京都足立区新田 1-16-7

TEL: 03-3919-1171

FAX: 03-3913-3434

Mail: info@adamant.co.jp