



FOR IMMEDIATE RELEASE

Universal Technology Corporation and Targeted Compound Monitoring Partner to Provide Innovative Environmental Monitoring Technologies



(From left to right) Wendell Banks, Willie Steinecker, Todd Dockum, Joe Sciabica, Dejay Hayn

DAYTON, Ohio – July 20, 2017 - Local defense contractor, Universal Technology Corporation (UTC), and recent startup, Targeted Compound Monitoring, LLC (TCM), today announced a joint venture to provide remote, autonomous environmental monitoring solutions and services based on gas chromatography (GC) and related technologies.

The joint venture will operate under the name UTC-TCM, LLC and will be based in Dayton, Ohio. It combines the 55 years expertise of UTC as a specialized research and technology innovation contractor in the defense industry and TCM's newly developed, proprietary technologies for environmental monitoring. They are concentrating initially on volatile organic compounds (VOCs) in groundwater.

“This agreement represents each organization’s strong commitment to provide highly innovative monitoring and remediation technologies for our customers who are working very hard to protect the quality of the water we drink and the air we breathe, whether at home or at work,” commented Joe Sciabica, President of UTC. “This joint venture leverages UTC’s

relationships within the Department of Defense to introduce TCM's ground-breaking technologies to those communities around the world who are collaborating with US military bases on environmental contamination issues. We are starting with the monitoring of volatile organic compounds in groundwater, compounds such as trichloroethylene (TCE), because that has been the primary groundwater issue for both municipalities and defense installations for at least 30 years. We have our immediate sights set on developing technologies for remote monitoring of perfluorinated compounds (PFCs) in groundwater and personal exposure monitoring for industrial workers."

For the City of Dayton Water Department, TCM has developed the world's first fieldable, weather-resistant, remote, autonomous, solar-powered purge-and-trap GC for groundwater monitoring. These systems can be deployed at monitoring wells within a source water wellfield, like many operated in Southwest Ohio, to sample the groundwater, analyze it for VOCs, and wirelessly transmit contaminant readings to TCM's command center, where the company employs its remote quality control services to ensure accuracy. Results are then passed "near-real-time" to its customers through their website or secure file sharing. In this way, a municipal water department is able to collect highly accurate (parts per billion) VOC measurements with enough frequency to make real-time remediation and production decisions – permitting proactive source water protection rather than reactive strategies. The City of Dayton Water Department is currently using 10 TCM GC systems as a demonstration project with hopes of expanding the project with additional systems.

"Our target market, those needing to ensure the production of safe drinking water, need much more data to understand the specifics of the VOC plumes in their particular wellfield," said Dr. William H. Steinecker, Co-Founder, Scientist, and CTO for TCM. "Our systems make this affordable through remotely administered quality control. Gas chromatography is a complicated analysis technique; you need specialized technicians and supporting laboratory infrastructure to guarantee accurate results. That's why we provide the technology as an ongoing full-featured service including state of health monitoring, performance monitoring, calibration, data validation and reporting, and field services. We truly look forward to collaborating with our customers to monitor and develop remediation strategies."

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About Universal Technology Corporation (UTC)

Celebrating over 55 years of specialized research and technology innovation for its defense and commercial customers, UTC is a world-class leader in the material and propulsion sectors of the aerospace industry and is also highly skilled in civil engineering RDT&E, big data analytics, and software development solutions. UTC scientists and engineers hold advanced degrees coupled with decades of experience. All have accomplished significant, original work in their areas of expertise, with many devoting their entire careers to specialized areas of engineering and science. UTC has an extended network of nationally and internationally recognized experts and partners throughout both academia and the aerospace industry, available on demand to solve the most complex problem. This experienced team provides the highest quality of results which the customers depend upon.

In 2016, UTC announced plans to expand into the commercial market space with a desire to grow things from the Miami Valley. The company's commercialization push is meant to bolster the local industrial base working with companies, research institutes, and entrepreneurs.

Headquartered in Dayton, Ohio, UTC also has offices in New Mexico, Florida, Alabama, Hawaii, and North Carolina, employing over 240 people focused primarily on materials & advanced manufacturing, aerospace systems, and space and directed energy. For more information, visit www.utcdayton.com

About Targeted Compound Monitoring (TCM)

TCM was founded in 2016 as a spin-off company from the Institute for Development and Commercialization of Advanced Sensor Technologies (IDCAST) — a collaboration between Miami University of Ohio and University of Dayton. TCM specializes in targeted compound monitoring for field sensing applications such as remote, solar-powered, VOC monitoring in groundwater and personal exposure monitoring with wearable instrumentation. Unlike its competitors, TCM offers its technology as a full-featured service. TCM takes the responsibility for accuracy, maintenance, and repair – freeing up customer resources to focus on the things they know best. All TCM services are built around ruggedized instrumentation featuring remote/autonomous electronics architecture. Wireless communications (cellular and Wi-Fi) combined with onboard microcontrollers enable technicians to remotely maintain the equipment. Quality control is performed in a similar fashion at a centralized data command center. Analysis results are fully encrypted and confidential. More information is available at www.tcmglobalinc.com.

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