

INFICON Announces Formation of Advanced Data Science Team to Enable the Factories of the Future

Syracuse, N.Y. – Nov. 11, 2024 – INFICON, a leader in process monitoring, control, smart sensors, and factory optimization software, is proud to announce the launch of a new global Data Science Team to centralize and expand its AI-focused initiatives in the Smart Manufacturing space. This team will build on 25 years of existing efforts like SmartFDC, multi-objective optimized scheduling, and Smart Sensors to drive advancements in process control and operational efficiency for the semiconductor industry.

Transforming Semiconductor Manufacturing

With the semiconductor sector facing increasing global competition, the expectations on Smart Manufacturing solutions to improve efficiency, yields and costs are high. To address this demand, the INFICON Data Science Team is set to continue delivering transformative solutions that optimize processes, enhance productivity, and automate decision-making. With these AI-driven advancements, manufacturers can achieve higher yields and more reliable operations, ultimately boosting profitability and performance.

“INFICON has always been at the forefront of developing solutions that meet the demanding requirements of the semiconductor industry,” said Steven Lakeman, Vice President at INFICON. “The launch of our new Data Science Team underscores our commitment to continued innovation. By harnessing the power of AI, we aim to enable our partners to achieve unprecedented levels of efficiency and performance in their operations.”

Positioned for Industry Leadership

The new team includes a diverse group of data scientists, AI and optimization specialists, and semiconductor process experts. Their combined expertise ensures that INFICON AI solutions are closely tailored to meet the unique demands of semiconductor manufacturing. This team will leverage the robust user group community at INFICON to ensure its deliverables are integrated with its current products as well as addressing other industry needs like tomorrow's autonomous control room.

Looking Ahead

As semiconductor technologies evolve, the demand for smarter, AI-driven solutions continues to grow. The investment by INFICON in AI research and applications solidifies its position as a leader, ready to meet the future needs of semiconductor process control and operational optimization.

About INFICON

INFICON is a leading provider of innovative instrumentation, critical sensor technologies, and Smart Manufacturing /Industry 4.0 software solutions that enhance productivity and quality of tools, processes and complete factories. These analysis, measurement, and control products are essential for gas leak detection in air conditioning/refrigeration, and automotive manufacturing. They are vital to equipment manufacturers and end-users in the complex fabrication of semiconductors and thin film coatings for optics, flat panel displays, solar cells and industrial vacuum coating

applications. Other users of vacuum-based processes include the life sciences, research, aerospace, packaging, heat treatment, laser cutting and many other industrial processes. We also leverage our expertise in vacuum technology to provide unique, toxic chemical analysis products for emergency response, security, and environmental monitoring. INFICON is headquartered in Switzerland and has world-class manufacturing facilities in Europe, the United States and China, as well as subsidiaries in China, Denmark, Finland, France, Germany, Italy, Japan, Korea, Liechtenstein, Malaysia, Mexico, Singapore, Sweden, Switzerland, Taiwan, the United Kingdom and the United States. INFICON registered shares (IFCN) are listed on SIX Swiss Exchange. For more information about INFICON and its products, please visit www.inficon.com.