

PRESS RELEASE

Photonics West
February 4-6, 2020, San Francisco, USA

ficonTEC and Adapdix collaborate on Machine Learning for Advanced Photonics Manufacturing

Predictive Analytics and Adaptive Maintenance improve reliability and performance

January 28, 2020 – Adapdix Corporation and ficonTEC Service GmbH have entered into a strategic agreement to integrate Adapdix's EdgeOps™ software with ficonTEC's advanced photonics production systems. The collaboration will enable adaptive analytics of production parameters and improve the reliability and performance of ficonTEC's advanced photonics assembly and test systems.

EdgeOps™ is a market leading AI/ML platform and software engine, which enables real-time optimization of production processes at the Edge. EdgeOps™ substantially improves the accessibility and visualization of machine data for customer operations teams, streamlining real-time monitoring, greatly simplifying the establishment of process and machine metrics, and enabling low-latency adaptive maintenance.

Anthony Hill, CEO at Adapdix, said: "With EdgeOps™, we're not just building a new product, but creating a whole new category of AI/ML software, with a new business model, and new pricing models for machine builders and sellers. This collaboration will enable ficonTEC and its customers to benefit from the improved reliability, performance and real-time adaptability that EdgeOps offers."

By integrating Adapdix's EdgeOps™ AI/Machine Learning layer into ficonTEC's Process Control Master (PCM) software, ficonTEC's systems will be better able to monitor, predict, visualize and adapt operational-critical process steps. This will help ficonTEC further advance its leadership position in photonics manufacturing.

According to Torsten Vahrenkamp, CEO at ficonTEC, "Through the addition of EdgeOps™ into our systems we integrate access to predictive maintenance technology for our customers. With the new 'Performance Services', ficonTEC customers will be able to trial and select subscription-based add-ons to serve predictive analytics and facilitate adaptive maintenance."

By handing greater control to systems operators, ficonTEC customers can expect improvements in machine uptime, overall production yield and, ultimately, lower total cost-of-ownership (TCO). For example, at one Fortune 500 company, deploying EdgeOps achieved a reduction in downtime of 30 percent.

ficonTEC's PCM system control software already taps into a wealth of real-time positional, vibrational, environmental and physical/optical performance data of all production process steps for logging purposes. EdgeOps™ will enable ficonTEC's customers to fully exploit this data and will extend ficonTEC's leadership in photonics manufacturing, as well as helping its growth into IIoT and Industry 4.0 environments.

Both ficonTEC and Adapdix have successfully deployed the integrated solution with customers, demonstrating a significant reduction of downtime and increased production yield.

More information is available by contacting ficonTEC or Adapdix directly, or you can see ficonTEC and Adapdix's EdgeOps™ in person at Photonics West, February 4-6 in San Francisco, USA (Hall F, Booth 5269).

About Adapdix Corporation

www.adapdix.com

Adapdix offers its software-based Edge Intelligent Automation platform that integrates ML/AI technologies into a real-time intelligent adaptive control network system to provide ultra-low latency exchange of operational technology (OT) data. The platform allows for unparalleled time-sensitive, synchronized distributed data at the edge resulting in significant improvement in uptime, yield, productivity. The company has pioneered the area of automation and adaptive controls with fifteen patents in this area that have been developed in collaboration with leading industrial automation partners.

About ficonTEC Service GmbH

www.ficontec.com

ficonTEC is a recognized market leader for automated packaging and testing machine systems for high-end opto-electronic components and PICs (photonics integrated circuits). Considerable process capability and dedicated assembly technologies have been accumulated over more than two decades of serving the needs of a broad selection of industry segments – including telecom and datacom, high-power diode laser assembly, sensing from bio-med to automotive, micro-optics, and more.

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