

New digital maintenance service IoTFlex detects faults in advance and improves production efficiency

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Caverion has launched IoTFlex, a maintenance service that will take industrial productivity and preventive maintenance to the next level. IoTFlex uses smart sensors to measure the actual condition of machines and employs real-time analytics to predict the occurrence of possible faults.

With analytics based on modern sensor technology, critical failures in the production line can be detected at the first signs, enhancing production efficiency and making it possible to address malfunctions before downtime occurs. The IoTFlex maintenance service is available for a range of industries and plants of all sizes.



“We have tested and developed IoTFlex this year with a few industrial clients representing different sectors. The results have been excellent, and clients have been excited about the service. Data collection is an established procedure, but the data must also be leveraged so as to gain real benefits and significantly improve the availability of a production plant,” says **Thomas Hietto**, Executive Vice President, Services, Caverion.

A new kind of failure prediction method has been developed for the system, enabling the easy adjustment of the failure prediction based on the running method of the machine. Another new feature is the easy adaptation of the system to a range of measurement needs, such as air particle measurements, vibrations, trace heating and condition measurements of electric motors.

“IoTFlex is a complete solution that is ideal for the continuous improvement of our operations. IoTFlex is a good example of a new, digital service that can be quickly commissioned and easily integrates into our operating environment,” says **Tuomas Timonen**, President and CEO at Kemijoki Oy.

The service includes smart IoTFlex sensors, a mobile user interface, a measurement and analysis application developed by Caverion, and the special expertise of Caverion professionals. IoTFlex will first be sold in Finland, and the service can be easily scaled to other countries.

[Read more about IoTFlex service concept](#)

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Caverion designs, builds, operates and maintains user-friendly and energy-efficient technical solutions for buildings, industries and infrastructure. Our services and solutions are used in commercial and residential buildings and on industrial and public sector properties, as well as in processes, ensuring business continuity, safety, healthy and pleasant surroundings, optimal performance and cost management. Our vision is to be a leading European provider of advanced and sustainable life cycle solutions for buildings and industries. Our strengths include technological expertise and comprehensive services, covering all technical disciplines throughout the entire life cycles of properties and industrial plants. Our revenue in 2016 was approximately EUR 2.4 billion. Caverion has about 17,000 employees in 12 countries in Northern, Central and Eastern Europe. Caverion's shares are listed on Nasdaq

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