**KROHNE at IFAT: Innovations in process measurement technology for the water and wastewater industry**

* KROHNE booth C1.339/438 in new process measuring hall C1 shows complete portfolio for flow, level, pressure and temperature measurement as well as process analytics
* TIDALFLUX flowmeter for partially filled pipes now available with PROFINET
* Four joint demonstration models for water and wastewater instrumentation and control solutions, e.g. (wireless) remote data transmission
* Live demonstration of device verification according to specific self-verification regulations from Monday to Thursday

**Text:**

Duisburg, March 29, 2018: At IFAT 2018, KROHNE will be presenting measuring technology for the water and wastewater industries. With the new layout of exhibition sections, the “process measuring and control technology” section has moved to hall C1: KROHNE now welcomes their visitors at booth 339/438, presenting a complete portfolio for flow, level, pressure and temperature measurement as well as process analytics with several innvations and highlights:

For partially filled pipes, TIDALFLUX electromagnetic flowmeter with integrated capacitive level measurement is now available with PROFINET, allowing for simultaneous communication of multiple parameters, e.g, flow rate, height level of medium in the pipeline as well as its conductivitiy. It adds to all x300 OPTIFLUX and WATERFLUX electromagnetic flowmeters and all x400 OPTIMASS Coriolis mass flowmeters that are already available with PROFINET communication. With electromagnetic flowmeters, e.g. volume flow rate and the conductivity measurement (integrated as standard), can be transmitted simultaneously.

Another highlight in the products section is the OPTIBAR PC 5060 pressure transmitter with ceramic diaphragm for advanced process pressure and level applications: on a new fair model, visitors can test for themselves if the diaphragm can withstand overload up to 35 times nominal pressure, e.g. in case of a line shock in water networks.

Together with industry partners such as, Wilo, VAG PhoenixContact and others, KROHNE offers instrumentation and control solutions for a number of water and wastewater applications. Four joint demonstration models on the booth show the solutions for rainwater management, the use and possibilities of PROFINET in water industry as well as leakage management in water supply networks. The latest addition is a model to show possibilities for (wireless) data communication from remote measuring points, which is an increasing field especially in water metering. Here, KROHNE partnered with PhoenixContact to demonstrate radio and mobile transmission of measurement values, e.g. flow readings as well as those from the integrated pressure and temperature sensors of a battery-powered WATERFLUX water meter.

In the field of services, KROHNE presents possibilities for device verification according to specific self-verification regulations: at 11:00h and 14:00h from Monday to Thursday, a service technician will perform a live meter verification at the booth, followed by a comparison with a secondary clamp on flowmeter. KROHNE also presents the reworked “Planning Tool for Water and Wastewater Processes” for fast and precise compilation of tender documents. In terms of training and in addtition to the well-known KROHNE Academy seminar series, now in-house trainings or free seminars on automation topics such as energy efficiency in water and wastewater plants, metrological requirements, dimensioning of devices, etc. are offered on request.

About KROHNE: KROHNE is a full-service provider for process measuring technology for the measurement of flow, mass flow, level, pressure and temperature as well as analytical tasks. Founded in 1921 and headquartered in Duisburg, Germany, the company employs over 3,700 people all over the world and is present on all continents. KROHNE stands for innovation and maximum product quality and is one of the market leaders in industrial process measuring technology.

**Picture 1:**



**Caption:**  TIDALFLUX flowmeter for partially filled pipes is now available with PROFINET

**Picture 2:**

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**Caption:** Joint demonstration model PROFINET: KROHNE and industry partners show use and possibilities of PROFINET in the water industry

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