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Press Release

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Increase in sewage treatment performance with ENEXIO 2H BIOdek®-IFAS fills for activated sludge basins

- Increase in output of up to 35 % in activated sludge basins
- Simple retrofitting during operation
- See 2H technology this year at IFAT in Munich

Herne (Germany) – February 04, 2016 – The use of fills from ENEXIO Water Technologies GmbH (formerly GEA 2H Water Technologies) can increase the output of activated sludge basin by up to 35 %. ENEXIO 2H BIOdek® IFAS fills are designed for installation in new sewage treatments plants and for retrofitting existing plants. They can be retrofitted while plants remain in operation, to adapt activated sludge basins to more demanding requirements. Such retrofitting involves installing cascades of the fills, with modular configuration, in the treatment basins – if required, with the necessary aeration systems. Performance enhancement is based on the IFAS principle (integrated fixed film activated sludge). This involves the formation of stationary biofilm on the large surface area of the fills. This biomass complements the existing biomass in the activated sludge tank and thereby increases the operative sludge age of the system. No modifications are required for the sludge-recirculation system, since the additional biomass is fixed on the structured fill. An additional benefit of the IFAS system is that effects such as bulky sludge do not influence the stationary biomass on the fills. In addition, the sludge from an IFAS system can be settled more effectively: a benefit in secondary treatment.

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About ENEXIO

After acquisition by Triton Partners of the Heat Exchangers Segment of GEA Group, activities were combined in ENEXIO Group in its Power Cooling und Water Treatment business unit. Since December of 2015, the former company GEA 2H Water Technologies accordingly does business under the new name of ENEXIO Water Technologies GmbH. ENEXIO offerings include plastic fills for biological sewage treatment, as well as tube settlers for sedimentation processes in the treatment of potable water and waste water – with their increasing application also in rainwater overflow basins.

The name ENEXIO represents our field of activity and the success that we have achieved over several decades, together with our customers, as pioneers in the field of power cooling and water treatment. At the same time, this name represents our commitment to our customers and business partners – as globally active provider in the Power Cooling Solutions business unit, ENEXIO stands for **Energy. Engineering. Excellence.**

The company has proven its success in more than 80 years of business on the market and has established itself as a globally leading supplier in the development and manufacture of wet and dry cooling systems. ENEXIO can provide any required energy-efficient cooling solution with efficient cooling-water treatment, in accordance with the customer's requirements. Our extensive product portfolio includes not only all available air-cooled condensers and Heller systems, but also wet cooling towers and combined wet and dry cooling systems with evaporative units.

In addition to our Power Cooling solutions, we offer components for cooling towers and for water and waste water treatment plants, to assure a high level of operational reliability and optimal environmental protection. Ecologically sound Circumix technology, as overall solution for treatment of ash and water in coal-fired plants, rounds out our extensive portfolio.

Get an impression of ENEXIO Water Technologies at this year's IFAT, in Munich from May 30 to June 3, 2016, in hall A1, stand A1.527, or visit us at www.enexio.com

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