

Press Release

TAYA wastewater treatment — the solution for your manure problem



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- ENEXIO is the distributor in Germany of the TAYA technology developed by Triple-T's experts.
- TAYA wastewater treatment technology will be presented at the EuroTier trade fair, in Hannover, from 15 to 18 November 2016, in Hall 17 at Stand E43
- At EuroTier, ENEXIO will present additional fill-element solutions for the agricultural sector – for exhaust-air scrubbing, air humidification, air cooling, and dust removal – as well as fills with flame-retarding characteristics

Herne (Germany) – October 26, 2016 – With immediate effect, ENEXIO Water Technologies is the distributor in Germany of the TAYA technology developed by Triple-T's experts. The TAYA system is designed to treat severely polluted wastewater, as produced in pig and cattle stalls, and to reduce the total nitrogen content in the effluent up to 90%. 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.

The TAYA system achieves highly effective treatment with minimum energy requirements: it consumes only approx. 15 % of the energy that would be required for biological wastewater treatment using activated sludge systems.

The core component of the TAYA system is a control and pump unit that selectively directs the wastewater into the system, and that alternatively fills and drains two basins. The basin is highly aerated. The aeration is very efficient and saves 85% of electricity cost due to the passive aeration done by the fill and drain method. The reaction is promoted by special fill elements in the basins: their honeycomb structure creates a large surface area for the biofilm to develop. The TAYA system requires low O&M cost because of the few electromechanical units in the system. It operates with only few hours a week of supervisory staff. This solution has already proven effective in many agricultural applications.

At EuroTier in Hannover, the marketing partner ENEXIO and the developer and manufacturer Triple-T will present the TAYA system to interested trade visitors at Stand E43 in Hall 17. Visitors to the fair can also become acquainted with additional fill media solutions from ENEXIO – for example, for air humidification, air cooling, exhaust-air scrubbing, systems for dust removal, as well as flame-retarding fills for use in various agricultural applications.

About ENEXIO

After the acquisition by Triton Partners of the Heat Exchangers Segment of GEA Group AG, all Power Cooling Systems and Water Treatment activities were combined in ENEXIO Group. Since December of 2015, the former company GEA 2H Water Technologies GmbH accordingly does business under the new legal entity 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.

ENEXIO is a reflection of what we do and what we have accomplished as a pioneer in the field of power cooling and water treatment over the decades. It represents a promise to both our customers and business partners that we – as a global provider for power cooling and water treatment solutions – stand 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. Experience ENEXIO and visit us at www.enexio.com

About Triple T

Triple-T is a subsidiary of WFI Group. Triple-T's expertise spans a broad range of treatment technologies and applications such as the design, construction and operation of (DBO) municipal, agricultural and industrial WWTPS, process optimization for existing WWTPs, consulting for WWTP operators and authorities, design, construction and operation of biogas systems, wastewater analysis and pilot testing, and R&D of innovative wastewater technologies. Learn more about Triple-T on www.triple-treatment.com.

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