

Aquabio and Econvert co-operate to deliver high rate anaerobic digestion technology for the UK industrial marketplace

Worcester-based Aquabio Ltd and Econvert Water and Energy BV – based in Heerenveen in The Netherlands – have signed a UK collaboration agreement to deliver high rate anaerobic digestion technology into the UK industrial marketplace. Econvert’s technology complements Aquabio’s own MBR and water reuse technology to provide a complete portfolio to industrial clients.

Aquabio already has its own anaerobic MBR process which is particularly suited to situations where higher rate and granular sludge based AD processes are not appropriate – for example, those with very high COD concentrations, high TSS, FOG and salinity – or a customer is looking to maximise organic conversion and gas cogeneration.

To deal with situations where higher rate ‘granular’ anaerobic pre-treatment processes are required, Aquabio can now provide very cost effective treatment combinations with its own aerobic post treatment and tertiary processed to meet the highest water quality requirements.

Terry McCarthy, Managing Director of Aquabio said : “With processing businesses focusing on production efficiency, energy savings and resource recovery, this partnership with Econvert means that Aquabio can provide first class high rate aerobic and biological desulphurisation processes as part of our overall treatment and water reuse concepts to clients with highly loaded wastewater in the food, beverage, brewery and paper

sectors across the UK.”

Ids Auke Boersma, Managing Director of Econvert said : “As part of our strategy, Econvert establishes dedicated partnerships with companies that have a strong presence in our target markets. Aquabio clearly is in this position and is the perfect hub for Econvert to enter the UK market.”

Econvert’s portfolio of processes include UASB – or Upflow Anaerobic Sludge Blanket; EGSB – Expanded Granular Sludge Bed; Econvert-IR; Anaerobic Internal Recirculation Technology.

Econvert –ECO is also available which is specially designed for this anaerobic wastewater treatment of relatively small amounts of industrial wastewater. This is perfect for situations with wastewater discharges of 400-2500kg of COD per day.

In addition to water processes the Econvert-Dsulph process also provides industrial and municipal customers biological biogas desulphurisation to remove hydrogen sulphide (H₂S). When there are high concentrations of H₂S in the biogas this is a very cost effective process, which significantly reduces long operating costs when compared to non-biological scrubbing.

Laboratory testing and on site pilot trial units are available when investigation and pre-contract treatability evaluation is required.

Econvert Water & Energy – a privately held company based in Heerenveen, The Netherlands – is a leading specialist in anaerobic wastewater treatment and biogas desulphurisation technology. Founded in 2012, the company has rapidly owned its position in the European industrial wastewater treatment market.

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