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Wastewater Treatment In the Sugar Industry



Client	Plant Type	Capacity
Golden Sugar Refinery Lagos, Nigeria	Aerobic waste water treatment <ul style="list-style-type: none"> 2 stage moving bed reactor BIOFIT-H With activated sludge reactor Sludge dewatering with belt filter press 	40 m ³ /h 2,880 kg COD/d
Dakahlia Sugar Company Belkas / Egypt	Beet earth separation/ Anaerobic - aerobic waste water treatment <ul style="list-style-type: none"> Brukner mud sludge dewatering Anaerobic stage (ANAFIT-CS) Aerobic Stage (Activated sludge reactor with nitrification / denitrification) 	373 m ³ /h 240 t TSS/d 115 m ³ /h 30 t COD/d 180 m ³ /h 864 kg KN/d
Tambovskaya Tambov / Russia	Anaerobic-aerobic waste water treatment <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) Aerobic waste water (two stage Nitrification / denitrification) Post-treatment (Filtration / Aeration) 	150 m ³ /h 36 t COD/d 300 m ³ /h 950 kg KN /d
Nile Sugar Company Cairo / Egypt	Beet earth separation/ Anaerobic - aerobic waste water treatment <ul style="list-style-type: none"> Brukner mud sludge dewatering Anaerobic stage (ANAFIT-CS) Aerobic Stage (Activated sludge reactor with nitrification / denitrification) 	300 - 350 m ³ /h 240 t TSS/d 140 m ³ /h 26 t COD/d 300 m ³ /h 800 kg KN/d
Konya Seker Fabrikasi Cumra / Turkey	Anaerobic-aerobic waste water treatment in the sugar industry Extension of the existing waste water treatment plant <ul style="list-style-type: none"> Anaerobic Stage (ANAFIT CS) 	150 m ³ /h 30 t COD/d
Konya Seker San. Ve Tic. A.S. Konya / Türkiye	Beet earth separation/ Anaerobic –aerobic waste water treatment <ul style="list-style-type: none"> Dewatering beet earth with 3 Decanter Anaerobic stage (ANAFIT-CS) Aerobic Stage (Activated sludge reactor with nitrification / denitrification) 	155 m ³ /h 700 t TSS/d 140 m ³ /h 30 t COD/d 550 m ³ /h 800 kg KN/d
Povazsky cukor, a.s. Trencianska Tepla / Slovakia Member of Nordzucker Group	Anaerobic-aerobic waste water treatment (Reconstruction) <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) Aerobic Stage (Activated sludge reactor with nitrification / denitrification) 	29 t COD/d 550 kg KN/d
De Smet S.A. / Orafti S.A. San Pedro / Chile	Sedimentation of muddy waters / anaerobic waste water treatment <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) 	156 m ³ /h 25 t COD/d

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Konya Seker Fabrikasi Cumra / Turkey	Anaerobic-aerobic waste water treatment <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) Aerobic stage (Activated sludge reactor with nitrification / denitrification) 	150 m ³ /h 36 t COD/d 380 m ³ /h 1,000 kg KN/d
Südzucker AG Wabern / Germany	Aerobic wastewater treatment: <ul style="list-style-type: none"> Aerobic stage (Activated sludge reactor with nitrification / denitrification) 	145 m ³ /h 420 kg N/d
Zuckerfabrik Jülich AG Jülich / Germany	Aerobic wastewater treatment: Extension of an already existing treatment plant <ul style="list-style-type: none"> Aerobic stage (Activated sludge reactor with nitrification / denitrification) 	1,100 kg N/d
Nordzucker AG Uelzen / Germany	Anaerobic wastewater treatment <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) 	40 t COD/d
Südzucker AG Zeitz / Germany	Anaerobic wastewater treatment <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) 	21 t COD/d
Pfeifer u. Langen AG Elsdorf / Germany	Anaerobic-aerobic waste water treatment <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) Aerobic stage (Activated sludge reactor with nitrification / denitrification) 	35 t COD/d 700 kg N/d
Südzucker AG Groß-Gerau / Germany	Anaerobic-aerobic waste water treatment <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) Aerobic stage (Activated sludge reactor with nitrification / denitrification) 	35 t COD/d 720 kg N/d
Zuckerfabrik Tulln Tulln / Austria	Anaerobic-aerobic waste water treatment <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) Aerobic stage (Activated sludge reactor with nitrification / denitrification) 	29 t COD/d 340 kg N/d
Nordzucker AG Schladen / Germany	Anaerobic-aerobic waste water treatment <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) Aerobic stage (Activated sludge reactor with nitrification / denitrification) 	28 t COD/d 630 kg N/d
Pfeifer u. Langen Lage / Germany	Anaerobic-aerobic waste water treatment <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) Aerobic stage (Activated sludge reactor with nitrification / denitrification) 	35 t COD/d 860 kg N/d
Zuckerfabrik Jülich AG Jülich / Germany	Anaerobic-aerobic waste water treatment <ul style="list-style-type: none"> Anaerobic stage (ANAFIT-CS) Aerobic stage (Activated sludge reactor with nitrification / denitrification) 	28 t COD/d 580 kg N/d

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Südzucker AG Platting / Germany	Anaerobic wastewater treatment <ul style="list-style-type: none"> • Anaerobic stage (ANAFIT-CS) 	35 t COD/d
Südzucker AG Offstein / Germany	Anaerobic wastewater treatment <ul style="list-style-type: none"> • Anaerobic stage (ANAFIT-CS) 	23 t COD/d

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An **aquarion** Group Company

Tel: +44 1403 272772
sales@he-water.co.uk
www.he-water.co.uk