



IOI Loders Croklaan: next step in sustainable production with water re-use

IOI Loders Croklaan in Wormerveer, The Netherlands recently made a next step in sustainable production of their products with a nice water re-use project. Until recently the waste water was discharged into the sewer but now process water is being re-used for production of boiler feed water and demineralized water. All needed for palm oil fractionation and refinery. The benefits were: less discharge of waste water, less purchase of drinking water, less discharge of salts into the environment, robust solution including fall back scenario and higher quality of process water.

This turn-key installation is designed, constructed and integrated into the existing demin water installation by Logisticon Water Treatment. The containerized purification unit consists of a membrane bio-reactor (MBR) based on the Berghof BioPulse[®]-concept, followed by a reverse osmosis unit (RO) which purifies the water for re-use. The installation, including concrete biological treatment with a content of 600 m³ has an average capacity of 360 m³/day.

