Water Products and Technologies for clean water and wastewater

Nereda®

a product of Royal HaskoningDHV

Nereda aerobic granular sludge is an extremely cost-effective, efficient, and sustainable way to meet challenging effluent quality targets biologically in a limited space. Nereda technology purifies wastewater using the unique features of aerobic granular sludge. Nereda's robust granules settle rapidly – enabling a fast, effective, single-tank process.

kaumera

nereda® gum

Kaumera is a natural biopolymer extracted from excess sludge from Nereda wastewater treatment installations. Once extracted from the sludge, this natural biopolymer can be used for various applications, including as a biostimulant for agriculture and horticulture. Kaumera significantly reduces the amount of sludge remaining (by up to 30%), considerably removing the costs of sludge treatment and disposal.

Ephyra®

a product of Royal HaskoningDHV

Ephyra is a state-of-the art, plug-flow digestion technology that optimises and maximises the capacity of existing and new anaerobic digesters. By using smart process control, this technology increases the removal of organic material and boosts the biogas production. Furthermore, it reduces possible greenhouse gas emissions and is considered an integral part of best-in-classs sludge treatment centers to achieve net zero or energy positive status.

Crystalactor

a product of Royal HaskoningDHV

Crystalactor is a sustainable crystallisation technology for the removal and recovery of hardness, heavy metals, phosphates, fluoride or sulphate from drinking, process and wastewater. This proven zero-waste process is characterised by low operational costs and a small footprint. Instead of waste sludge, the process produces compact and reusable dry pellets.

Helea®

by Royal HaskoningDHV

Helea technology's three-step process combines biological hydrolysis and pasteurisation without requiring pressure vessels or any chemical additions to provide a sustainable, low-maintenance way to enjoy the benefits of Advanced Anaerobic Digestion (AAD) – greater biogas yields and Class A quality.

Twinn

by Royal HaskoningDHV

Twinn Aqua Suite is the ultimate monitoring and control software platform for the water and wastewater sector that combines supply and demand prediction software with smart automation controls. This proven platform, with over a hundred connected water systems around the world, is modular, flexible and has a user-friendly web interface.

About Royal HaskoningDHV

Royal HaskoningDHV is an independent consultancy which integrates 140 years of engineering expertise with digital technologies and software solutions. In the water market, we provide forward-looking services, state-of-the-art software, and world-leading technologies, encompassed in a coherent vision for sustainable, integrated water use. We take a holistic view and work together with key universities and research institutions so you're always one step ahead.

For further information on how we can help you, contact: **watertechnology@rhdhv.com**

Royal HaskoningDHV
Enhancing Society Together