



WASTEWATER  
TREATMENT

INDUSTRIAL  
SOLUTIONS

Nereda® is a granular activated sludge technology that offers a cost-effective and sustainable way of treating wastewater to meet most stringent quality requirements. It combines high treatment and nutrient removal performance with small footprint, reduced civil costs and low operational costs to offer a true leap forward in wastewater treatment technology.

EPS works closely with the technology owners, Royal Haskoning DHV, to provide the global market with an effective one-stop-shop for the delivery of Nereda® process equipment using our modular, off-site design and manufacturing expertise. This significantly speeds up and de-risks the construction of Nereda® plants, making it an even more attractive proposition.

### Key Benefits of Nereda®

- › Compact single-step process with no clarifiers
- › Excellent N and P removal performance
- › Highly robust biomass
- › Lower plant footprint (up to 4 times smaller)
- › Lower energy consumption (typically 20-30%)
- › No or less chemical consumption
- › Much lower odour generation
- › Easy to operate with very few moving parts
- › Excellent process control

### Benefits of the EPS Modular Solution

- › Reduced construction programme
- › Lower installation and management costs
- › Less interface management
- › Improved on-site safety
- › Equipment tested prior to delivery
- › In-house 3D and 4D design systems
- › In-house manufacturing and assembly
- › Operational learning incorporated
- › Modules designed for global shipping



# Nereda® Technology

## Delivery Partner



### Harnessing EPS Operational Expertise

EPS designed, built and now operate three Nereda® plants in Ireland on behalf of Irish Water. The plants at Clonakilty, Carrigtwohill and Cork Lower Harbour form part of our overall portfolio of 200+ operate sites, and offer a chance to see Nereda® up close before you select it. By working with EPS, you can benefit from our unique learning in the design, build and operate of Nereda®, and use our resources to de-risk your own projects and to upskill your operators prior to commissioning a Nereda® solution of your own. EPS is also working on Nereda® plants in Great Dunmow, Essex, UK; Inverurie, Scotland and Dungannon, Northern Ireland



### Sectors Include:

-  **Municipal**
-  **Industrial**
-  **Commercial**
-  **Domestic**
-  **Agricultural**
-  **Energy**

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**WATER  
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**PUMPING  
SOLUTIONS**

EPS Group is a specialist wet infrastructure support services group of companies operating across the Republic of Ireland, the UK and the Middle East. It is one of the few genuine end-to-end service providers in the global water sector.

Founded upon 49 years of experience, EPS has grown from a modest electrical and pumping services business into an innovative, internationally exporting product and service provider, now focused upon the water, wastewater and clean technology sectors.



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