

Design & Construct

WWTP Dodewaard, The Netherlands



Project aims

- Design and construct of WWTP for centralised treatment of municipal waste water from villages Dodewaard, Valburg, Zetten, Lienden en Eck en Wiel
- New WWTP based on Nereda® technology
- Full energy autonomous design

Technical data

- Capacity 70,000 people equivalent
- Hydraulic capacity 794 m³/hour
- RWF/DWF = 3.4
- Solar panels with capacity of 1,200,000 kWh/year (average production)

Activities

- New influent building with fine screens (6mm) and sand removal
- DWF buffer constructed in existing AT.
- RWF buffer constructed in existing final clarifier.
- Three (3) new Nereda® reactors (2,750 m³ each) including Nereda® internals and aeration system.
- Granular sludge buffers incl. internals.
- Odor air treatment and FeCl₃ dosing.
- Gravity sludge thickener
- All civil works
- All mechanical works
- All electrical / automation works
- Delivery of Nereda® seeding sludge and start-up & commissioning.

Features

- WWTP Dodewaard will be the 10th Dutch Nereda®.
- Best Value Procurement tender

Customer
Waterschap Rivierenland

Completion
Planned Q2 2021

Total project value
EUR 15,4 Million
