

NVPP: the eternal source of water

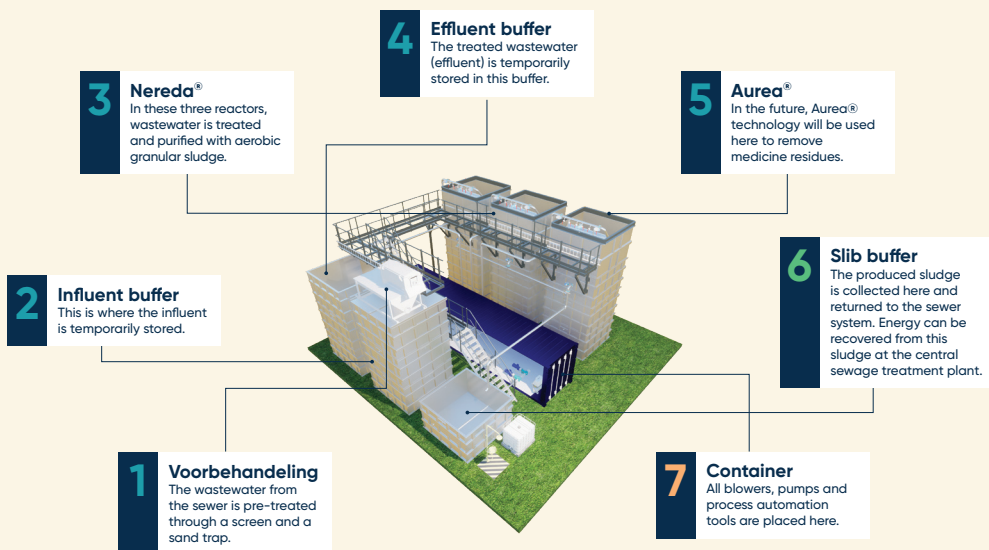
The NVPP (Nereda® Verdygo Package Plant) offers an innovative solution to increasing drought by treating wastewater locally and making it available immediately for reuse. It combines Haskoning's compact Nereda® technology with the Verdygo principle, developed by Waterboard Limburg, ensuring standardisation and modularity. On these premises, SBE built the compact installation.

The NVPP can produce different qualities of water, suitable for applications such as irrigation in agriculture, industrial processes, and drought relief in nature. The system can also be extended with post-treatments to remove medicine residues, making the water even more widely applicable.

Customised water

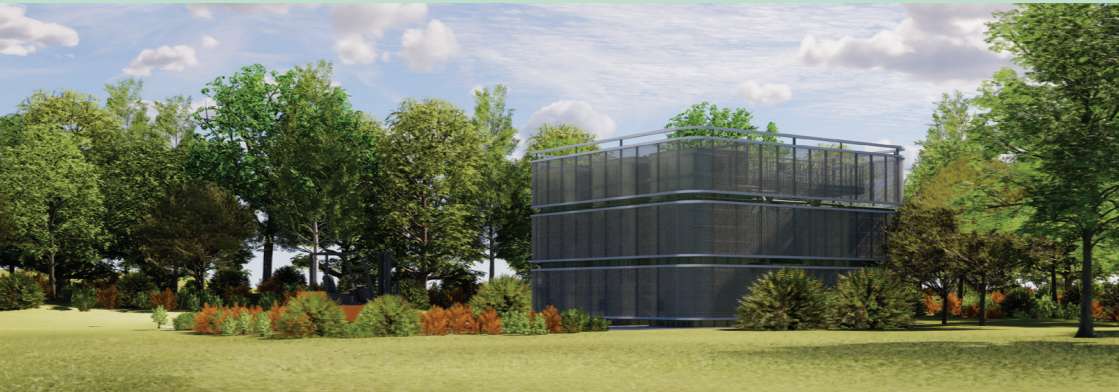
The installation at the Weert WWTP, from Waterboard Limburg, demonstrates and explores the possibilities of making "customised water" with varying nitrogen and phosphate contents. Depending on the purpose of the water to be reused, specific post-treatment can be integrated, like the Aurea® technology to remove medicine residues.

The NVPP provides a solution for freshwater availability without the need to transport wastewater to a central treatment plant first. This allows for an always available freshwater source to be created and used locally.



Discover the possibilities of the Nereda® Verdygo Package Plant (NVPP)

- Versatility for various applications: The NVPP is unique in its modular and movable design. This enables communities and industries to respond quickly to changing water treatment needs, whether it's agricultural areas in need of nutrient-rich water or urban regions looking for sustainable solutions.
 - Advanced technology integration: The NVPP was made possible in part by the compactness of Nereda® technology. This technology uses aerobic granular sludge and is therefore able to treat wastewater efficiently.
 - Support for sustainable water management: With the capacity to treat up to 400 cubic metres per day, the NVPP aligns with the principles of the Verdygo model by providing water reuse tailored to the specific needs of farmers and other sectors. It also reduces our dependence on current (scarce) water resources.
 - Ready for the future: The NVPP at Waterschap Limburg's Weert WWTP stands as an example for the future of global water treatment practices. The project provides valuable insights and opportunities for the application of flexible and sustainable water technologies.
- Explore how the NVPP can contribute to solving local and international water challenges, and contribute to a more sustainable future through innovative water management.



For more information and to explore solutions together, we invite you to contact us.

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We're ready to help