

**Reliable Performance.  
Sustainable Results.**

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## **Wastewater Treatment Plant Seonam, Seoul, South Korea (5.6 Mio PE)**

Aqualogic® - Process optimization made in Germany

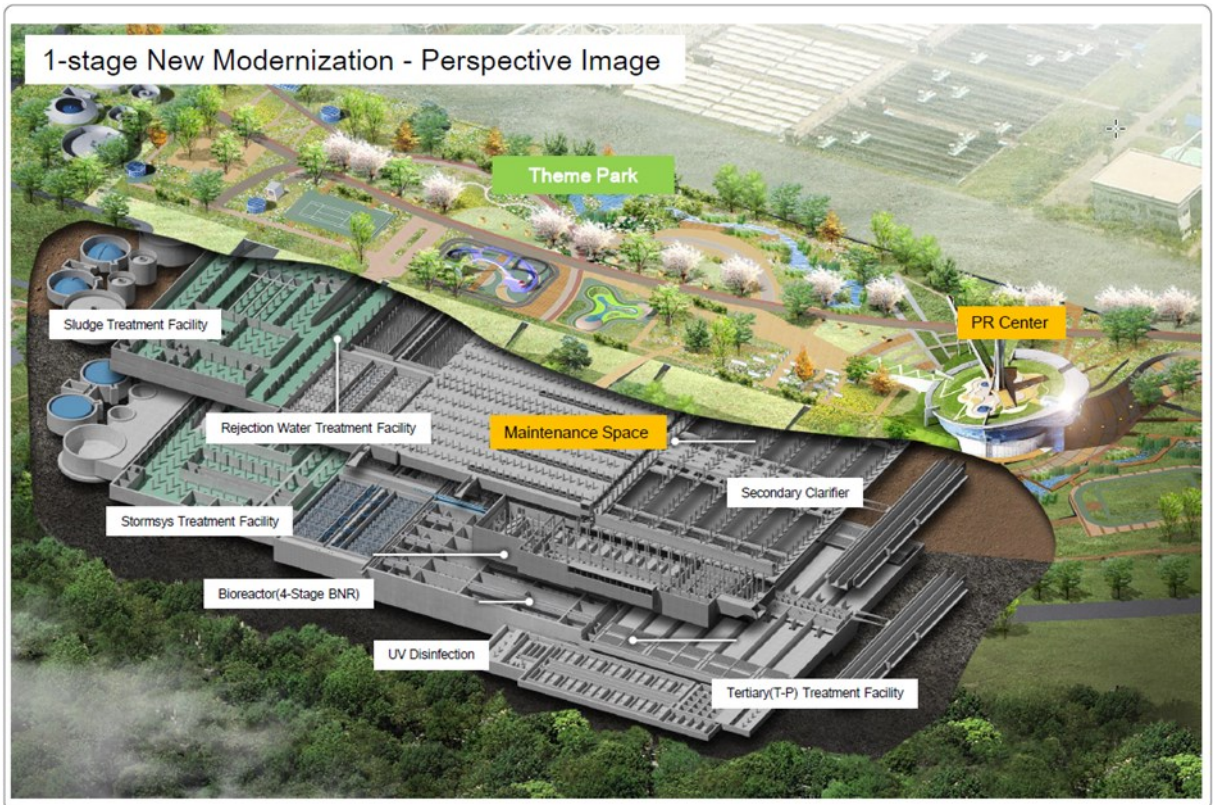
### **Situation**

The Seonam wastewater treatment plant treats the wastewater of a large part of Seoul, the capital of South Korea. It is designed for a population of 5.6 million and will be modernized in several steps. The project has a total volume of approx. 1.3 billion dollars and, in addition to the underground sewage treatment plant, includes the park above with an information and leisure center. The most modern and high-performance components are used for the conversion work.

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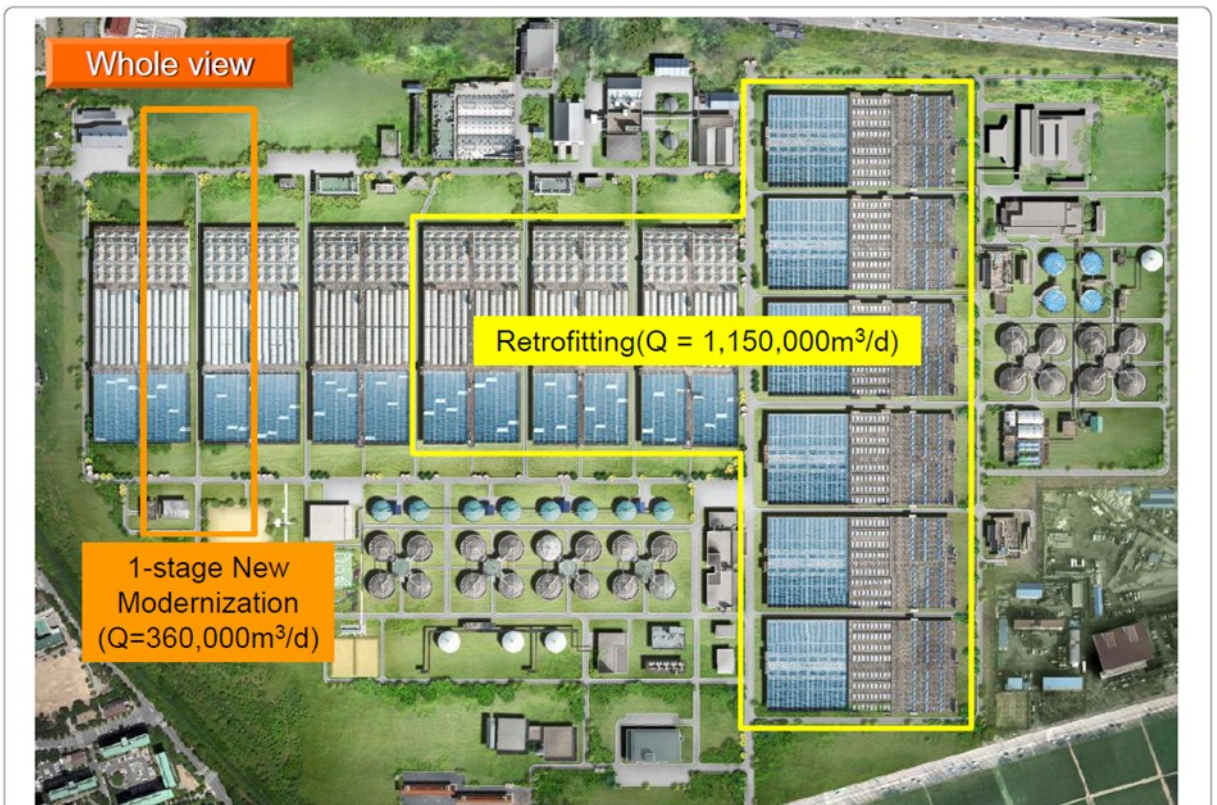


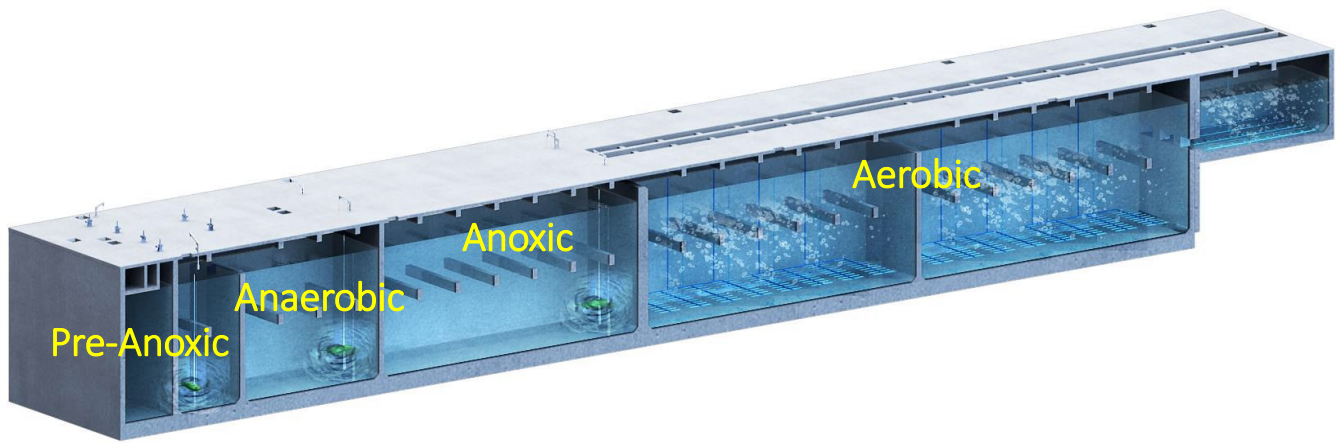




**Solution**

In the first modernization step, two times six sewage lines will be renewed. The lines operate with upstream denitrification. By evaluating several ammonium/nitrate and oxygen measurements, the aeration, recirculation, and return sludge are controlled by Aqualogic® .





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## Technical Data

### Passavant® Aqualogic®

Control system for load-based control of the oxygen input with the input variables oxygen, ammonium and nitrate

Control of recirculation

Control of return sludge

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