

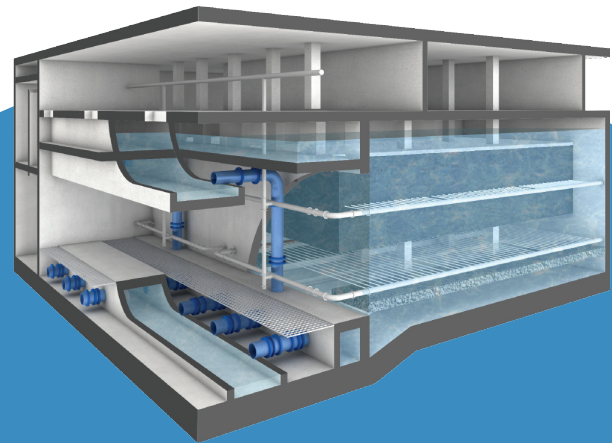


PROTEUS

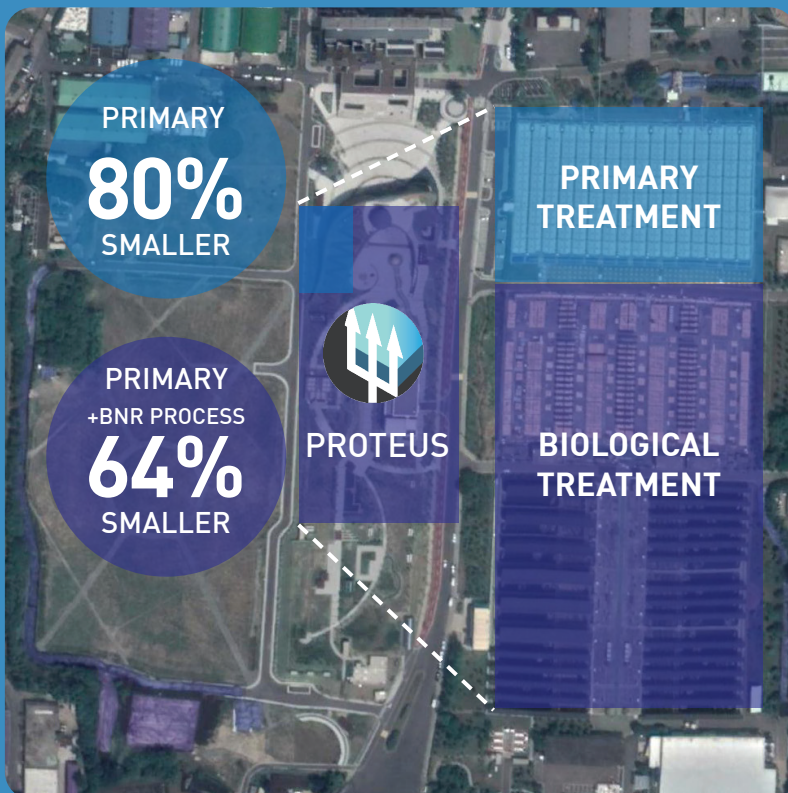
# Secondary Biofiltration

**PROTEUS** is a high-rate media filtration system that can simultaneously perform physical filtration and biological treatment in a single reactor. The secondary treatment system is an up-flow biological aerated filter (BAF) that uses expanded polypropylene as a floating fixed-film media. **PROTEUS** can be configured to accomplish a range of secondary treatment functions, such as BOD reduction, nitrification, and denitrification.

**PROTEUS** not only eliminates the need for clarifiers and tertiary filtration, but also minimizes the overall system footprint and significantly reduces operation and maintenance requirements.



## Unlock Space Inside Your Facility!



**PROTEUS** shrinks traditional process footprints, making room for new facilities, upgraded treatment, and more.

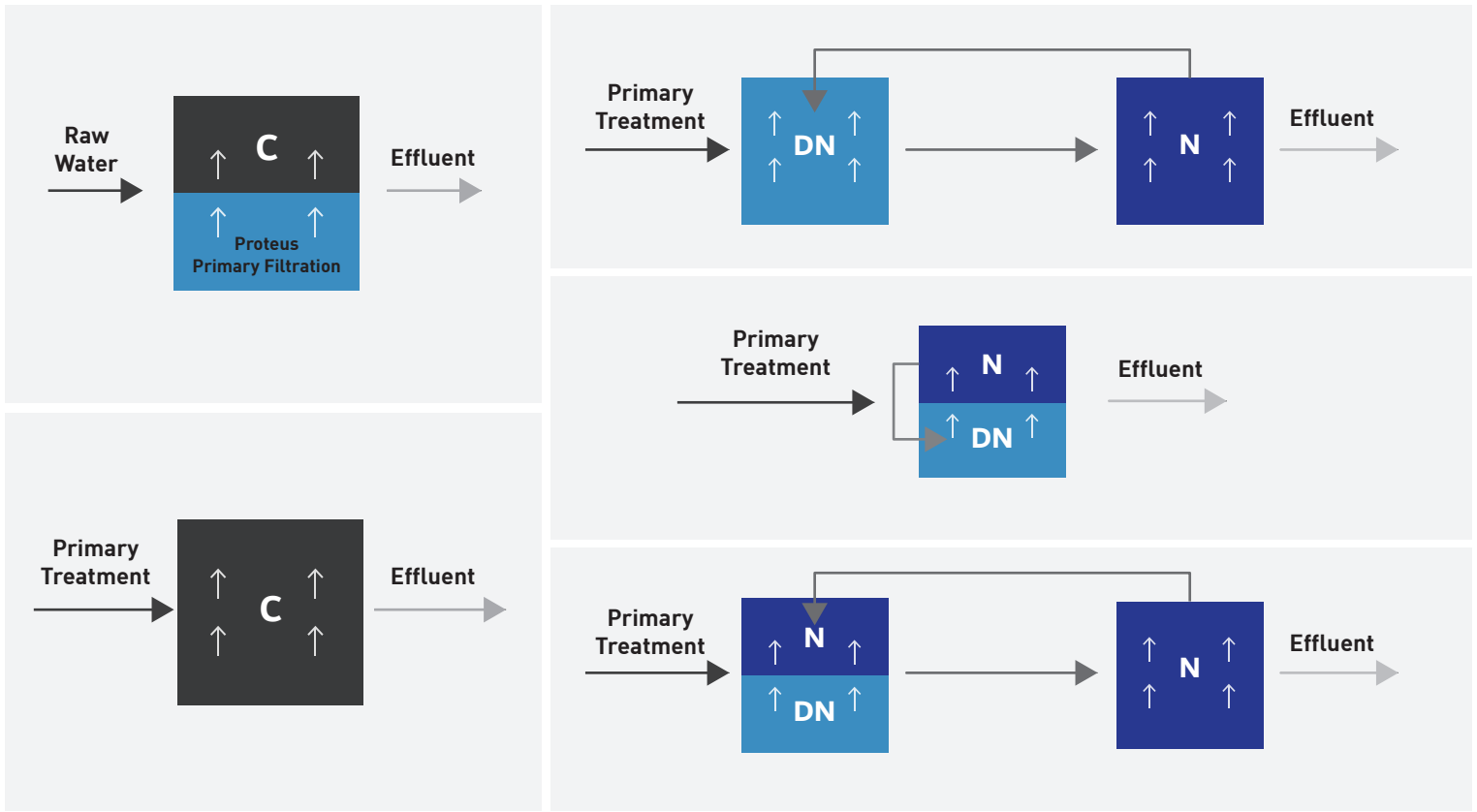
**REFERENCE:** Jungnang WRRF | Seoul, Korea  
250,000 m<sup>3</sup>/d process train (66 MGD)

**PROTEUS** Primary Filtration reclaimed 80% of primary clarifier footprint.

**PROTEUS** Secondary BNR Biofilter trains added total nitrogen treatment while recovering 50% of aeration basin footprints at the same time.



# PROTEUS Secondary Biofiltration



APPLICATION	CLIENT	CAPACITY (m <sup>3</sup> /d)	CAPACITY (MGD)
Secondary (DNN-N)	Jungnang WWTP	250,000	66.0
Secondary (DN-N)	JinGun WWTP	63,000	16.6
Secondary (NDN-DN-C)	Okjeong WWTP	22,000	5.8
Secondary (DNN-N)	Gwangju WWTP	20,000	5.3
Secondary (DNN-N)	Gumi WWTP	14,300	3.8
Secondary (DNN-N)	Samri WWTP	5,000	1.3
Secondary (DNN-DNN)	Julpo WWTP	1,600	0.4

The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

If you'd like to learn more, please contact  
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