



Engineering Asia Together

# **WATER INFRASTRUCTURE**

## **Engineering & Construction**



**A Greater HSL for a Better World**

SINGAPORE ✿ MALAYSIA ✿ INDONESIA ✿ MYANMAR ✿ VIETNAM ✿ INDIA

## Expert for Total Water & Wastewater Solutions

HSL is an integrated engineering and construction company with the ability to support every stage of the project life cycle, from inception to completion and beyond.

In building strong and sustainable partnerships, we are primed to align strategic capabilities with the evolving needs of both local and regional infrastructure developments.

## A Regional Water Infrastructure Company

We are a reputable water and environment infrastructure construction company serving the Asia region. We provide a full range of water and wastewater engineering and construction services, from designing and building facilities to commissioning.

Our passionate team constantly produces innovative designs and creative solutions to support our clients' and partners' challenges in water, sewage and industrial wastewater treatment, desalination, water reclamation and flood mitigation.

Our water projects range from a reclamation plant generating 166 MLD of clean water per day to multi-million dollar municipal facilities. Whether constructing a new plant or expanding an existing plant for both private or public organizations, we have the expertise and resources to tackle today's complex water challenges for safer, faster, better, and happier outcomes.



## About **HSL**

Founded in  
**1994**

**1,500** employees  
with

**>10** nationalities

HSL is a regional infrastructure construction company. We build ports, roads and bridges, and help bring clean water and electricity to communities.

At HSL, we strive to deliver engineering solutions, while enlivening the spirit of innovation. We take a proactive approach to work safety and health as the key to ensuring our people's safe return to their loved ones each day.

Over the years, HSL has garnered numerous awards and certifications that testify to our dedication towards excellence in engineering, as well as our contributions to the wellbeing of people and the environment. Each is a cherished reward that gives us yet another reason to do more and try harder as we join hands to build a greater HSL for a better world.



## Strategic Partnership

We foster partnerships that can leverage our competitiveness to garner the region's water industry market collaboratively.

These include alliances with the experts like process designers and engineering consultants.

Our joint ventures integrates technical expertise and deliver the best solutions to our clients.





## Sewage Treatment

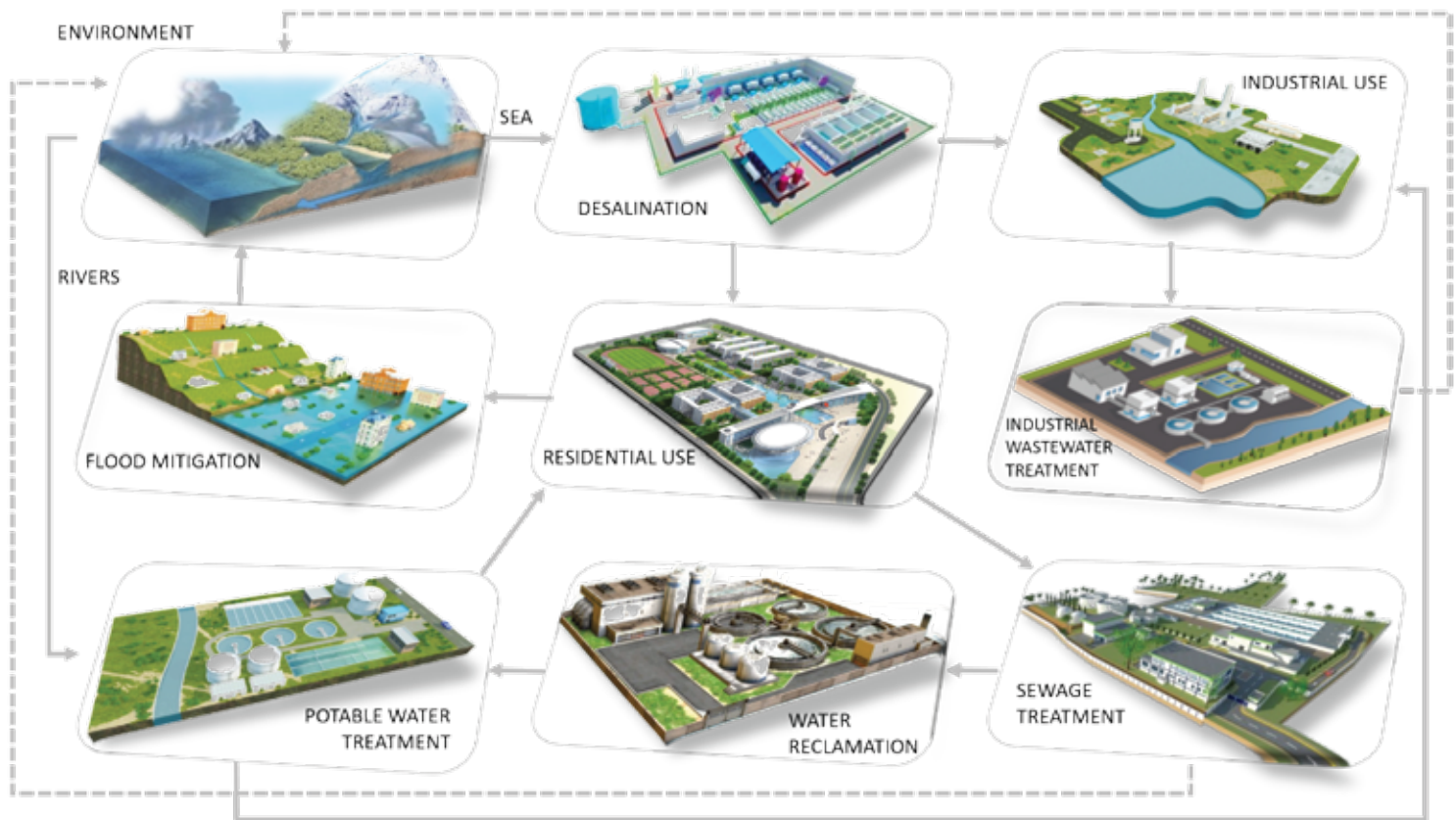
**Expansion of Sewage Treatment Plant 1**  
Public Utilities Board, Jurong Island, Singapore

**Process Design Partners :** Nanyang Enviroment & Water Research Institute

**Plant Capacity :** 13,500 m<sup>3</sup>/day

**Treatment Process :** Sequential Batch Reactor (SBR)

**Scope :** Engineering, Procurement, Construction and Commissioning (EPCC)



## Industrial Wastewater Treatment

**Construction of Wastewater Pre-Treatment Facility**  
Jurong Aromatics Complex, Jurong Island, Singapore

**Process Design Partners :** Hitachi Plant Technologies

**Plant Capacity :** 260 m<sup>3</sup>/day

**Treatment Process :** Oxidation & Dissolved Air Flotation (DAF)

**Scope :** Engineering, Procurement, Construction and Commissioning (EPCC)



## Desalination

### Construction of 3rd Desalination Plant

Public Utilities Board, Tuas, Singapore

**Process Design Partners :** Tedagua

**Plant Capacity :** 113 MLD (30 MGD)  
(6.9% of Singapore's water demand)

**Treatment Process :** Dissolved Air Flotation (DAF), Ultra-Filtration (UF) & Reverse Osmosis (RO)

**Scope :** Engineering, Procurement, Construction and Commissioning (EPCC) and a Termed Maintenance



Changi Water Reclamation Plant Phase 2,  
SINGAPORE.

## Water Reclamation

### Construction of Changi Water Reclamation Plant Phase 2

Public Utilities Board (PUB), Changi, Singapore

**Process Design Partners :** Mott MacDonald Singapore

**Plant Capacity :** 166 MLD (44 MGD)  
(10.1% of Singapore's water demand)

**Treatment Process :** Membrane Biological Reactor (MBR)

**Scope :** Engineering, Procurement, Construction and Commissioning (EPCC)

## Flood Mitigation

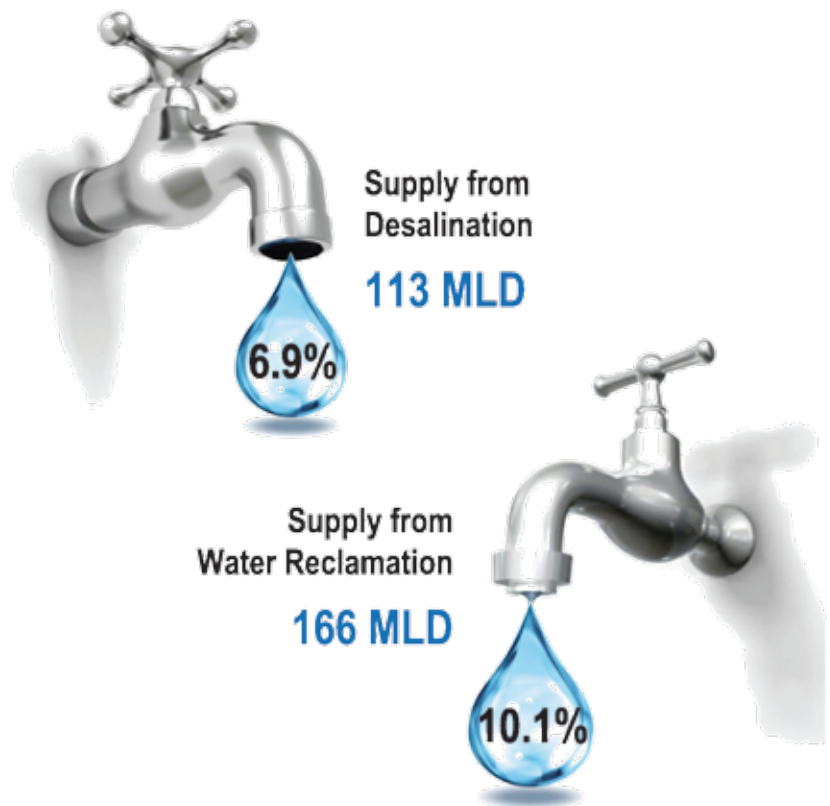
### Improvement to Bedok Canal Contract 1 & 2

Public Utilities Board (PUB), Singapore

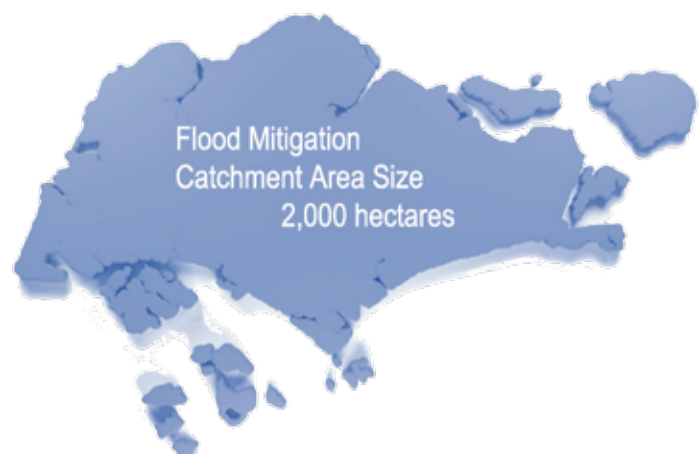
#### Scope :

Deepening the existing canal with constructions of reinforced open U-canal, contiguous bored and micro piles, a cantilever slab, service bridges, and PCN, including laying sewer pipe.

## Contribution to Water Infrastructure



**17%**  
of Singapore's Total Water Demand







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