

~Quick Installation And Minimum Maintenance DHS Pilot Plant in Kota Kinabalu City, Malaysia

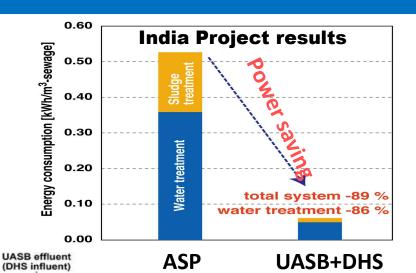
2021, October



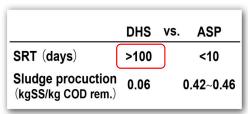
Yoshihiro KIRISHIMA NJS Co., Ltd.

DHS reactor (Agra, India) 2 NJS





- Low Power Cost (No Aeration)
- Less Space (Short HRT)
- Less Sludge Production (Long SRT)
- Easy Maintenance





DHS effluent



Polyurethane Sponge (D=40mm)



Kota Kinabalu, Malaysia, 2019~Present



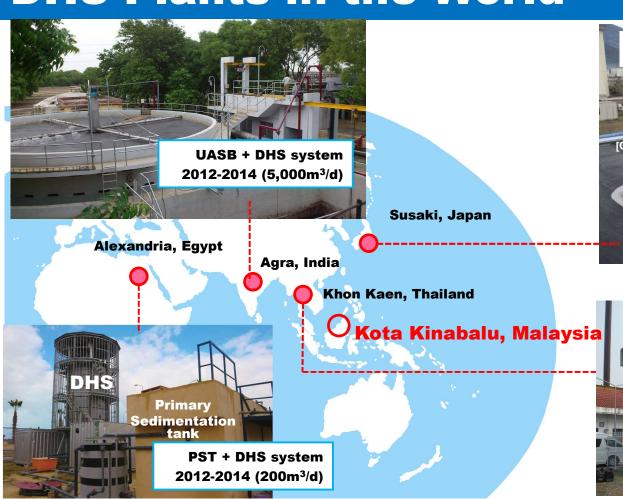
PROJECT: Model Project for Improvement of Water Environment in Asia (MoE, Japan)

- Improvement of Water Env. in Likas Bay
- **Conservation of Tourism Resorces**
- Easy O&M as well as Reducing CO₂ & GHGs



DHS Plants in the World









Kota Kinabalu, Malaysia, 2019~Present







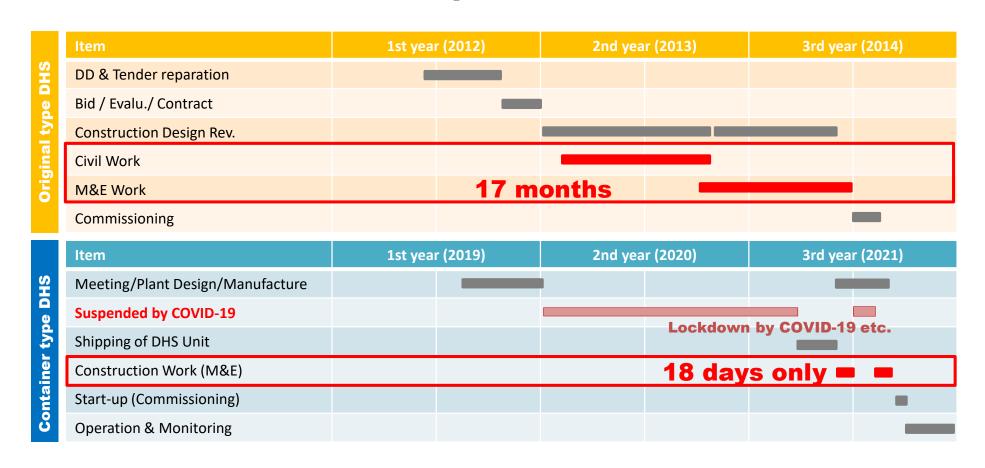




Quick Construction



REVIEW: Construction Speed



Quick Construction



REVIEW: Construction Speed



Foundation Construction (2 days)



Test Run(3 days)



Installation Work for Buffer Tank, UASB Tank and DHS Reactor (2 days)



Electrical Construction Work (3 days)

Only 18 days to complete set-up





Pipe Work (8 days)

Water Quality & Power Consumption



DHS Outlet Channel

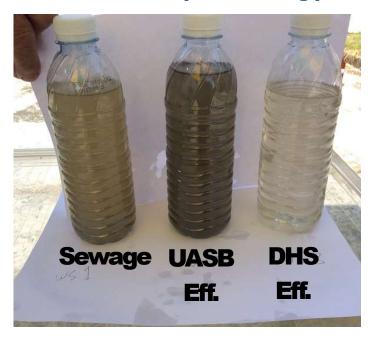


Date	BOD
	(LAB Test)
10 th Sept.	3 mg/L
17 th Sept.	4 mg/L

DHS Overflow Part



Start Operation on 8th September Power Consumption 0.6 kWh/m³ (30m³/day)



DHS System

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Contact Details

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