

# **Case study of Memsys Generator- combined desalination plant in Gulhi island, Maldives**

**Memsys Water Technologies GmbH**

# Where is Gulhi island in Maldives?



# Power station in Gulhi island

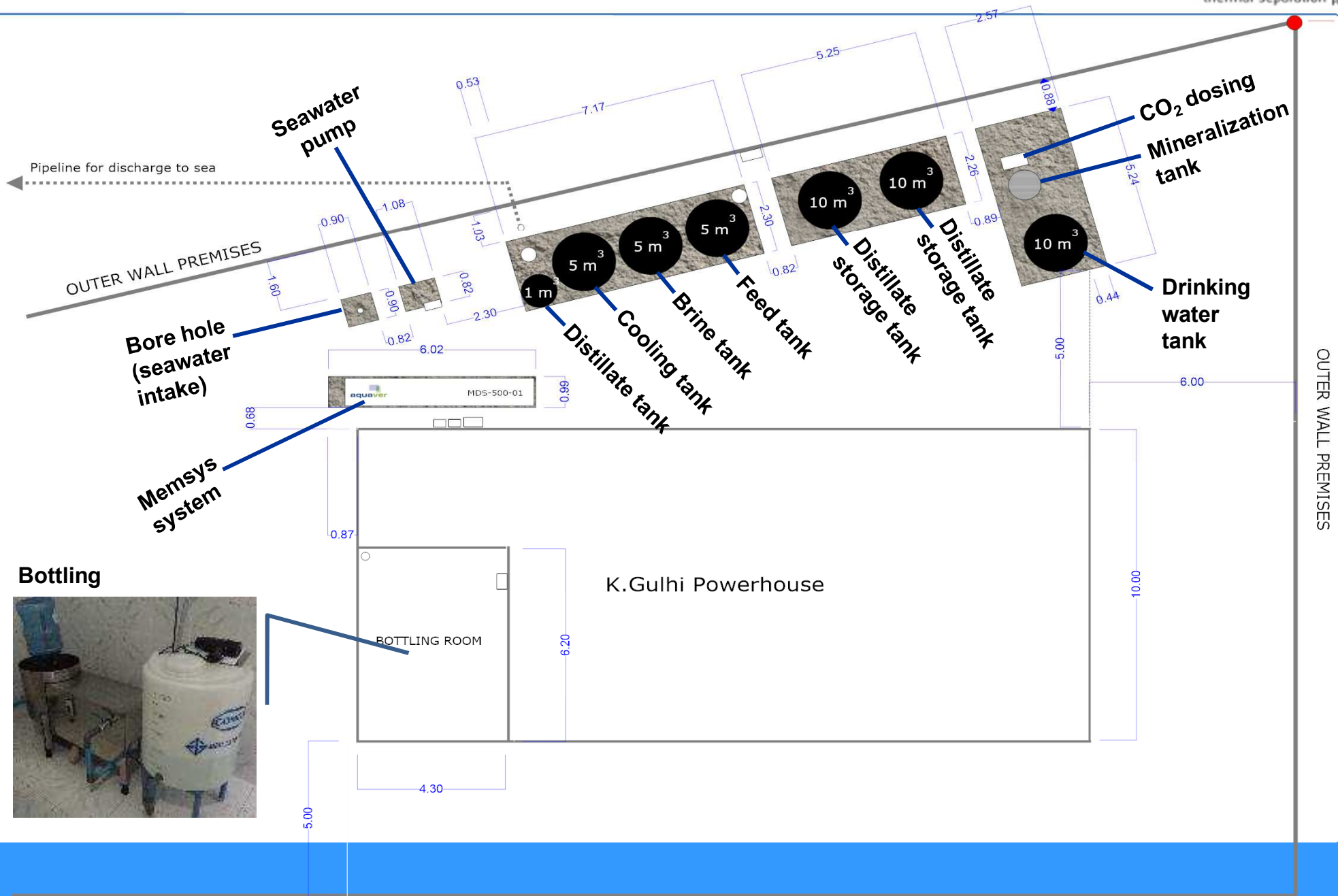
Power station in Gulhi island



128 kw generator in the station



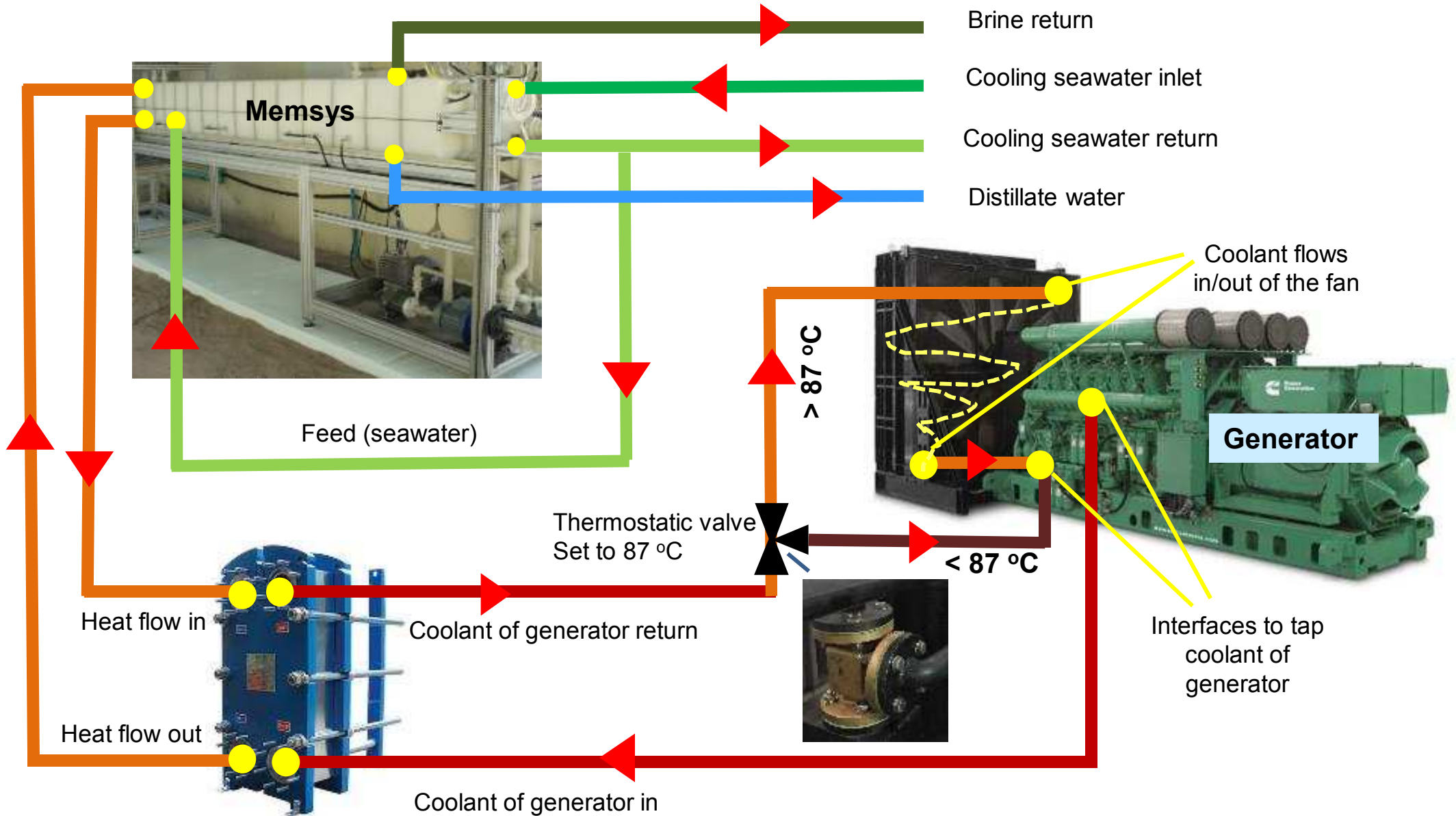
# Layout of Memsys setup to produce drinking water





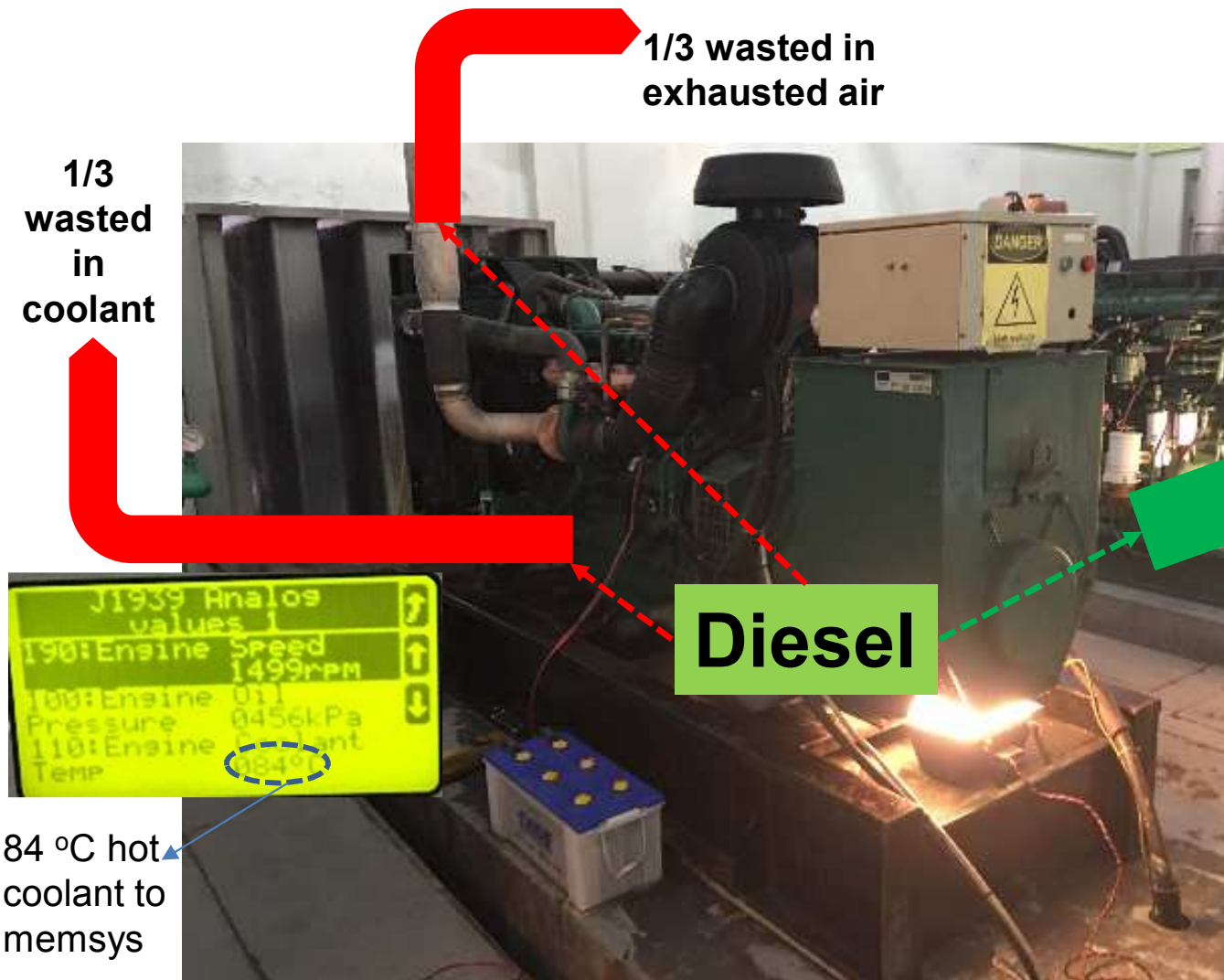
# How to connect Memsys to Generator?

Simple and easy



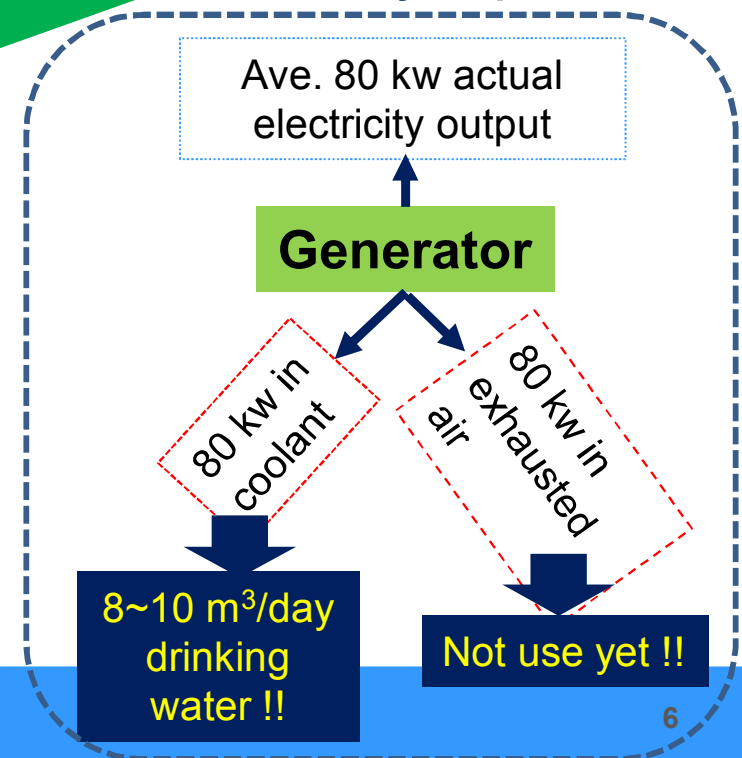
# Where is the waste heat from Generator?

For every 1 kWh Generator creates, also 1 kWh Generator wastes  
(OR 4 L drinking water Memsys produces)



Genset No:	02
Engine Type:	VOLVO
Engine Model:	TAD 781 GE
Engine S/N:	5311258844
Generator Brand:	STANFORD
Generator capacity:	125Kw
<b>Engine Protection</b>	
Generator Overload:	128Kw
High Temperature:	100°C
Temperature Alarm:	85°C
Low Oil Pressure Trip:	1.5 bar
Low Oil Pressure Alarm:	2 bar

**ONLY 1/3**  
Electricity output



# Memsys can improve generator efficiency and save significant electricity/diesel



Energy Efficiency of the Generator In Gulhi

