

# INDAH WATER SERIVE



The premier water sewerage company in Malaysia, INDAH WATER SDN BHD, is a fully government-owned enterprise that operates throughout the country. It is the country's most prominent water sewerage company. The company's operations revolve around faecal sediment management, non-mechanical sewer treatment, and urban treatment plants



## INDAH WATER: MALAYSIA NATIONAL SEWARAGE COMPANY

Our recent industrial visit to Indah Water Services in Malaysia provided an eye-opening experience into the world of sewage treatment plants and the innovative technologies employed to ensure efficient and sustainable wastewater management. The visit deepened our understanding of the various stages involved in wastewater treatment and showcased the commitment to environmental responsibility.

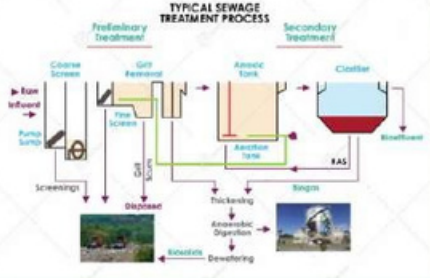
## OUTCOME

The visit prompted reflection on the critical role sewage treatment plants play in environmental conservation. Understanding the processes and technologies used left a lasting impression on the importance of responsible water management for the well-being of the ecosystem. Witnessing advanced technologies in action sparked reflection on the continuous innovation within the wastewater treatment industry.





# PROCESS



## 01 SCREENING

When waste water enters the system, it goes through a screening process. Large screens effectively removed solid debris, ensuring that the subsequent stages of treatment could focus on the more complex components of sewage.



## 02 GRIT REMOVAL

The grit chamber proved to be a crucial step in eliminating heavy materials such as sand and gravel.



## 03 AERATION TANK

After coarse materials or pebbles are removed, the sewage will flow to secondary treatment in the form of aeration tank in which fine air bubbles from diffuser will be inserted. In sewage will break down organic materials and taken to sludge dewatering machine



## BIOSOLID



## BIOGAS



## 04 SEDIMENTATION

The sedimentation process was where particles settled at the bottom of the tanks, allowing for the separation of sludge

