



CROWN-TECH ENGINEERING (THAILAND) CO., LTD.

บริษัท คราวน์-เทค เอ็นจิเนียริง (ประเทศไทย) จำกัด

冠泰環保工程股份有限公司

## THAILAND ENVIRONMENTAL TURNKEY COMPANY WATER , WASTEWATER , AIR POLLUTION TREATMENT



WASTEWATER TREATMENT



WATER TREATMENT



AIR POLLUTION TREATMENT



# WASTEWATER TREATMENT PLANT

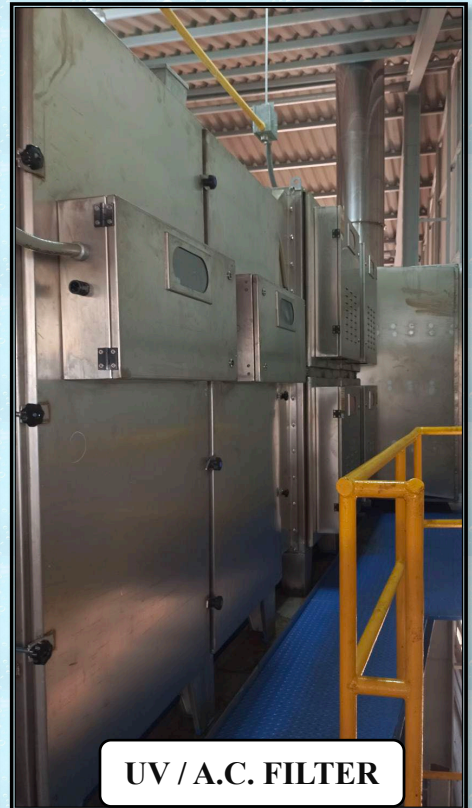




# WATER TREATMENT PLANT



# AIR POLLUTION TREATMENT PLANT





# WaterOps for ESG ( WWTP Surveillance System )



## 1 Importing WaterOps for Cloud Simulation

Obtain the simulated results and predicted performance to evaluate the ROI.

**CLOUD**  
Field Simulation



## 4 Towards Net Zero

Assist enterprises to plan green transition preparations such as carbon inventory and carbon neutrality by WaterOps applications.

Realize the whole life cycle management of water and wastewater system. Achieving the goal of saving energy and manpower.

# WaterOps

智慧水務服務平台  
SMART WaterOps Service Platform

Real Time  
Field Digital Twins



LOCAL  
Forecast Field Digital Twins



## 2 Dynamic Control for Field Verification

Deploy AI models and establish a digital twin system to real-time monitoring the field sensors and dynamic control the equipment for verifying the performance of AI models operation.



## 3 Proprietary Model for Performance Evaluation

Continuously optimize the proprietary model and realize dynamic simulated results for finding the essential of improving operation efficiency from the integration of cyber-physical system.

Digital Twin  
Real Time



Real Time Digital Twin

Real Time Value + AI optimizing model

Digital Twin  
Forecast



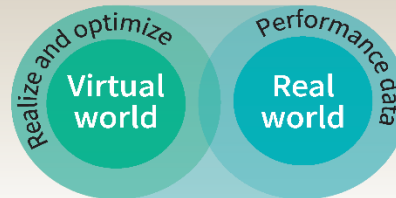
Forecast Field Digital Twin



Sensors



Historical Database



Evaluation and Optimization Control

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