



ATE ENERGY



WE AIM
for
GREEN



亞通利大法人說明會

免責聲明

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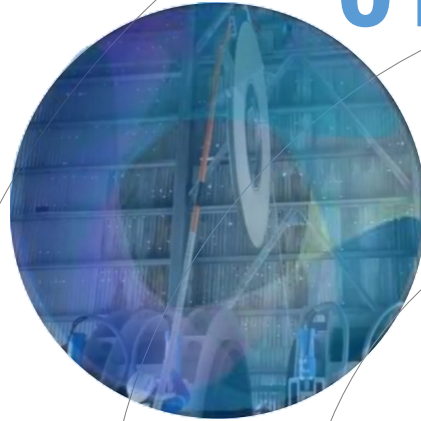
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CORE BUSINESS

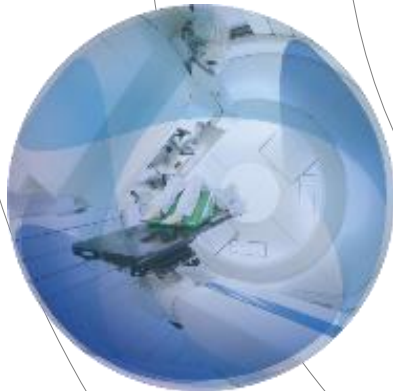
01 海洋工程 MARINE ENGINEERING



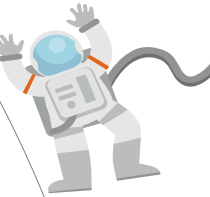
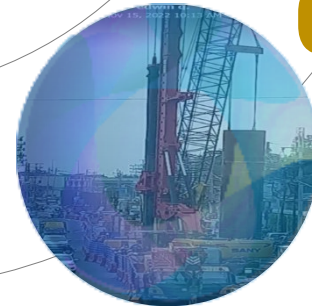
02 綠能/再生能源及環境控制 GREEN/RENEWABLE ENERGY AND ENVIRONMENTAL CONTROL



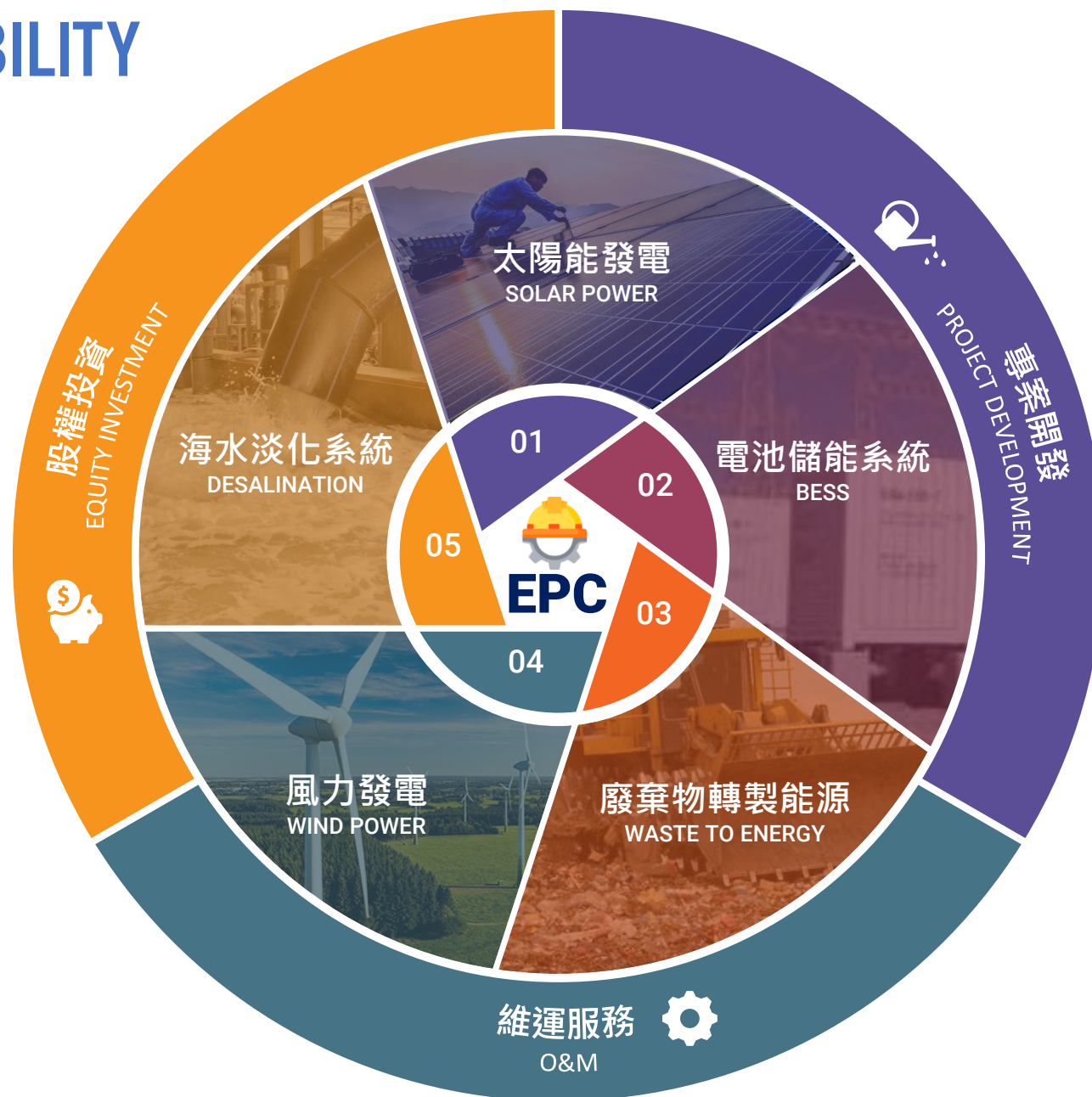
03 高端醫療 HIGH-END MEDICAL



04 交通及基礎建設 TRANSPORTATION AND INFRASTRUCTURE



TEAM CAPABILITY

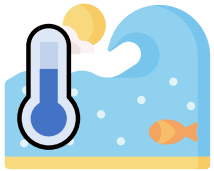


A wide-angle photograph of a marine engineering construction site at dusk. A long, curved concrete structure, possibly a breakwater or pier, extends from the foreground into the sea. The structure is composed of many repeating segments. In the foreground, a large, rusted metal frame is visible, with a red buoy hanging from it. The water is calm, reflecting the lights from the construction vessels and the twilight sky. In the background, several large construction ships with cranes and bright lights are positioned along the structure. The sky is a mix of blue and orange, indicating the time is either dawn or dusk. The overall scene conveys a sense of large-scale industrial activity in a maritime environment.

海洋工程

MARINE ENGINEERING

SEAWATER RESOURCES UTILIZATION AND NEW MARINE ENERGY



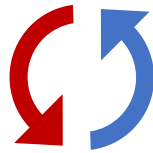
01

海水冷卻系統
Seawater Cooling System



02

海洋深層水工程
Deep Seawater
Engineering



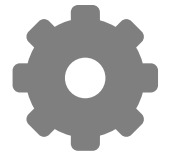
03

海水溫差發電
Ocean Thermal Energy Conversion



04

海水淡化系統
Seawater Desalination System

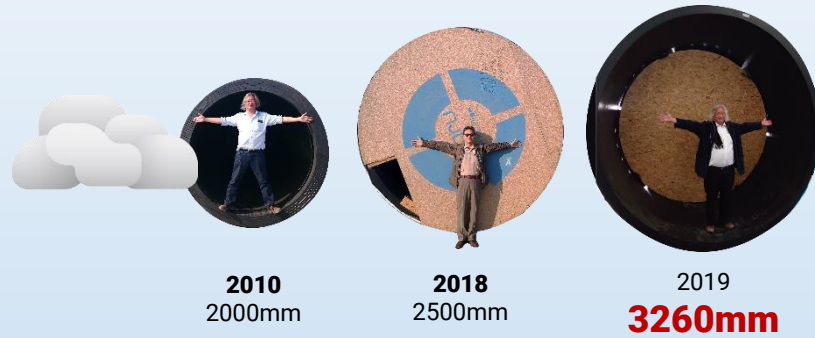


05

離岸風電佈纜工程及
維運服務
Cable Laying And
Offshore Maintenance Services

SEA WATER COOLING SYSTEM

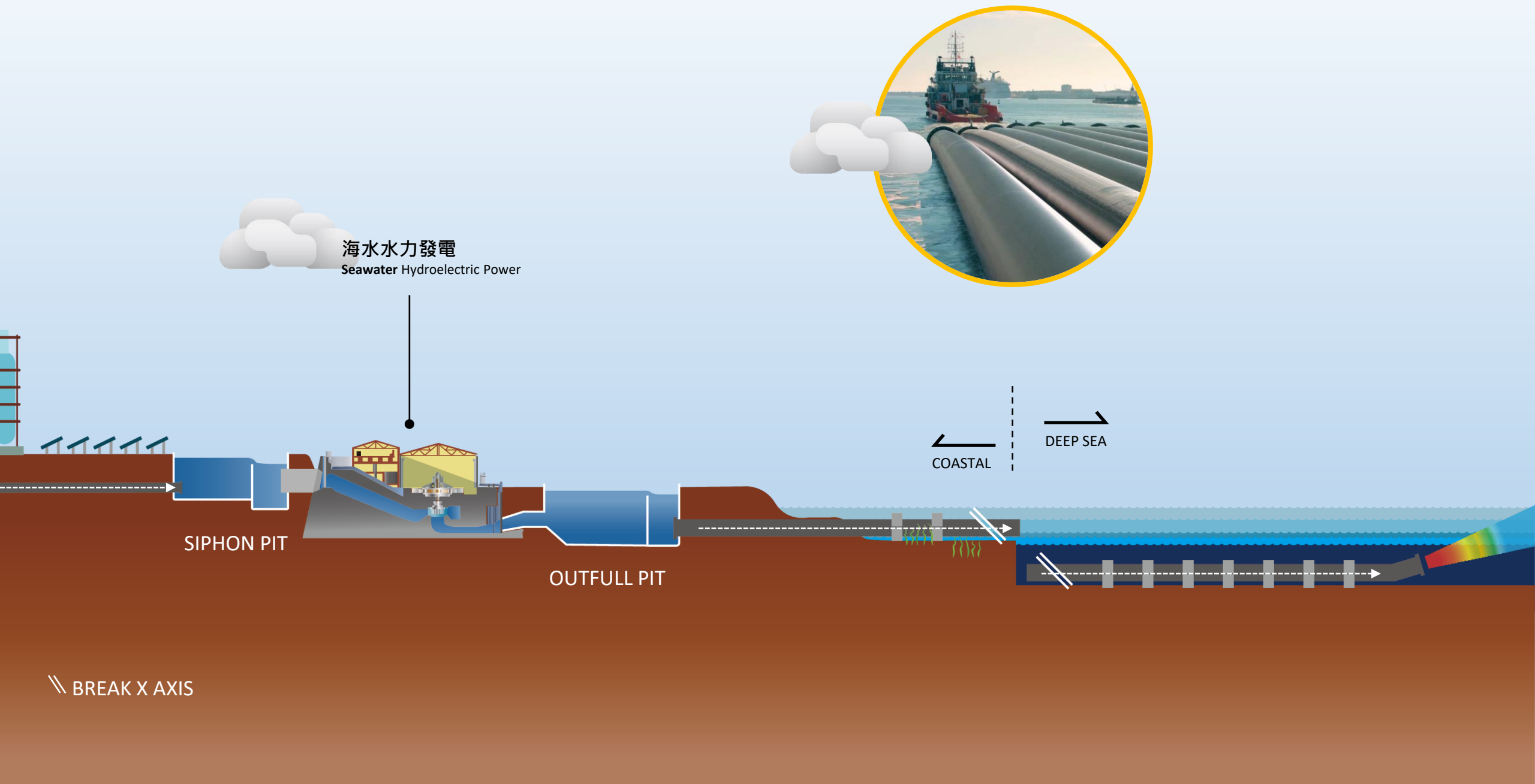
HDPE 海水冷卻系統



大管徑 HDPE 開發成果
TECHNOLOGY DEVELOPMENT



\\ BREAK X AXIS



HDPE PIPE DIAMETER DEVELOPMENT



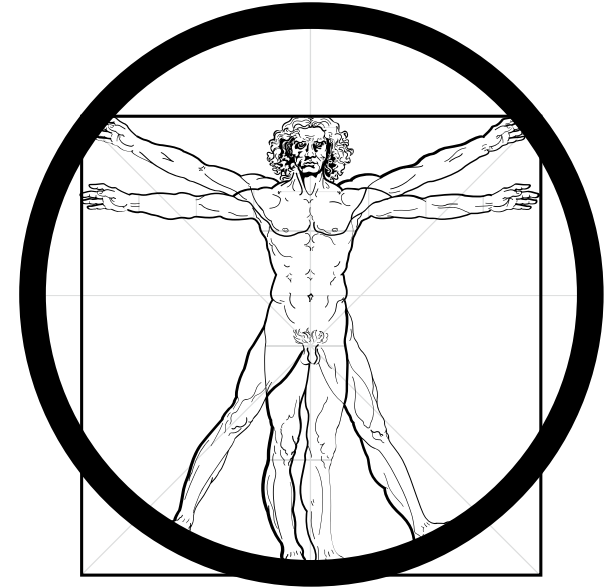
2010
2000mm



2018
2500mm

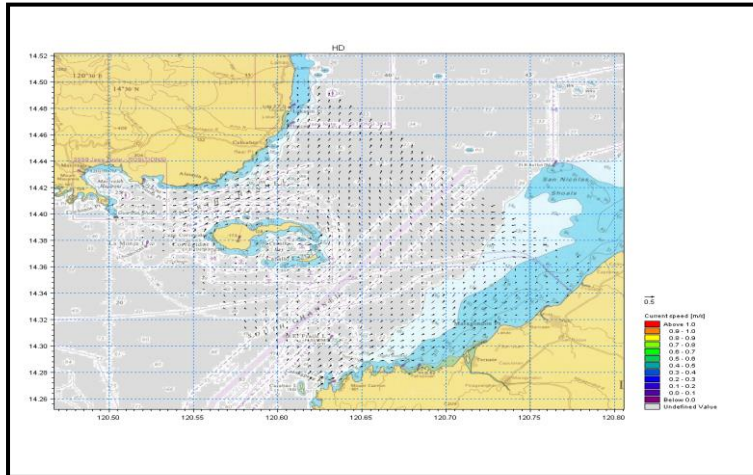


2019
3260mm

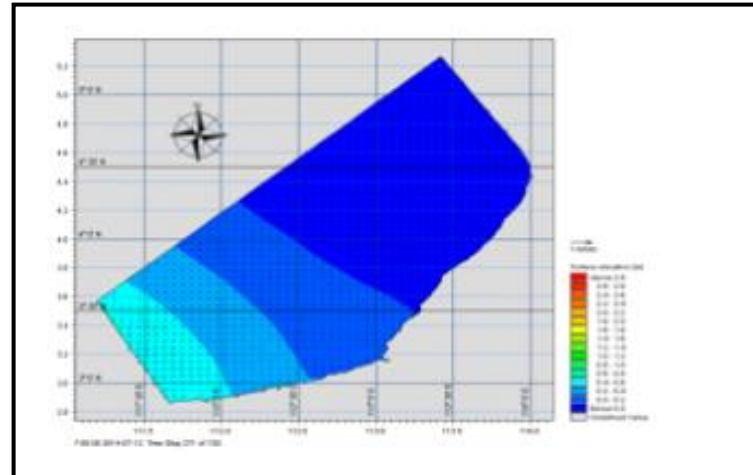


2022
3500mm

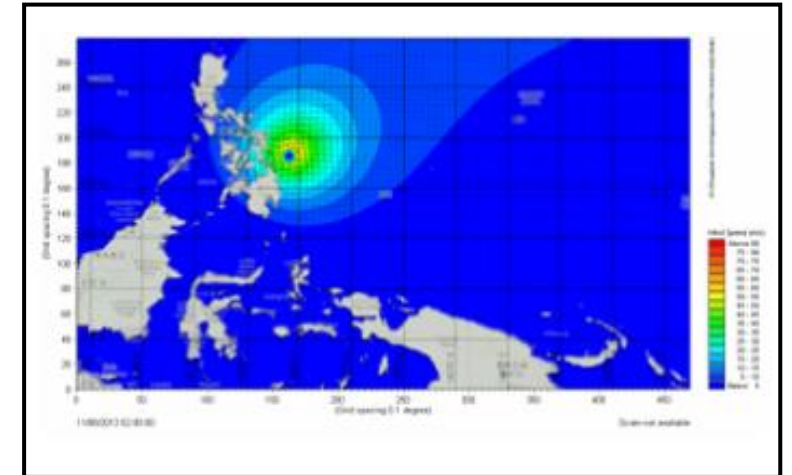
海洋分析 MARINE ANALYSIS



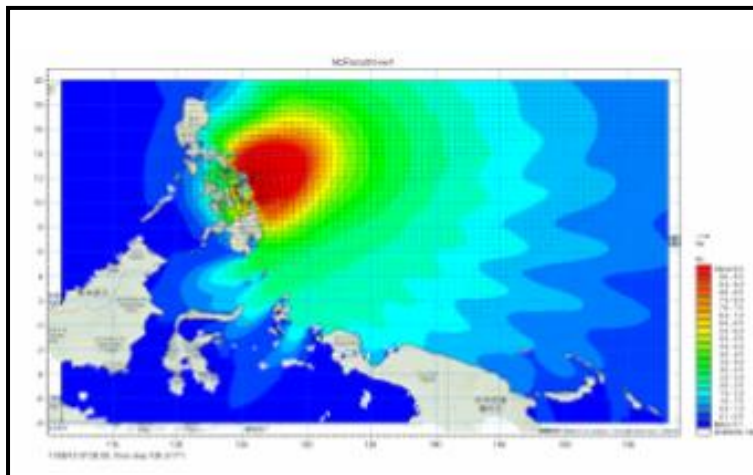
1 潮汐驗證
TIDAL VERIFICATION



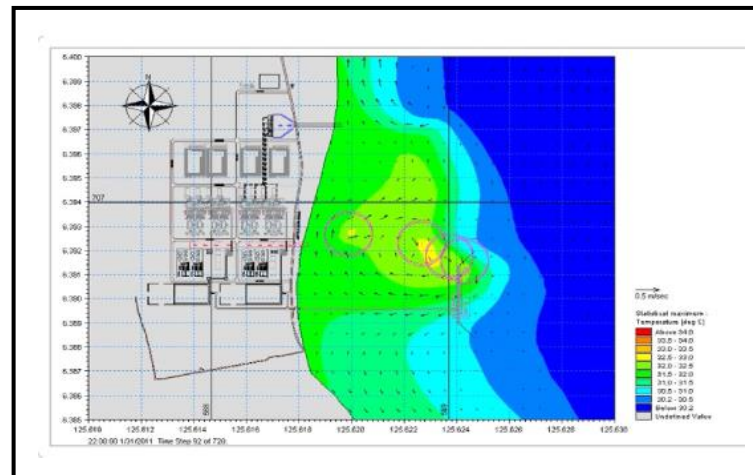
2 海流模擬
FLOW FIELD SIMULATION



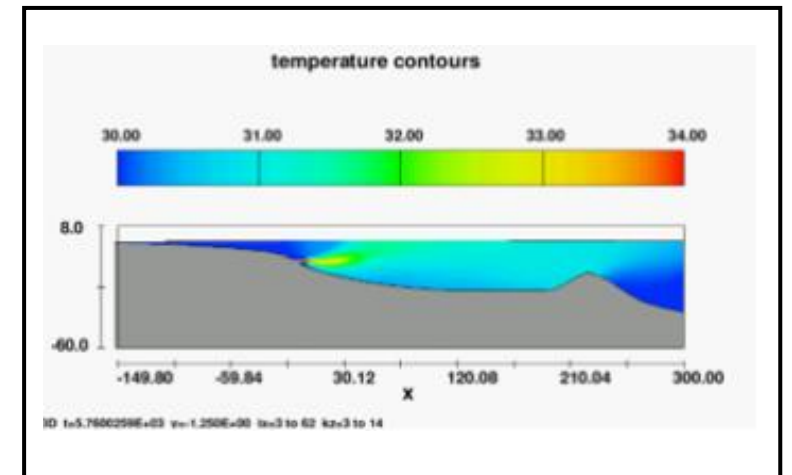
3 風場分析
WIND FIELD ANALYSIS



4 波浪分析
WAVE ANALYSIS

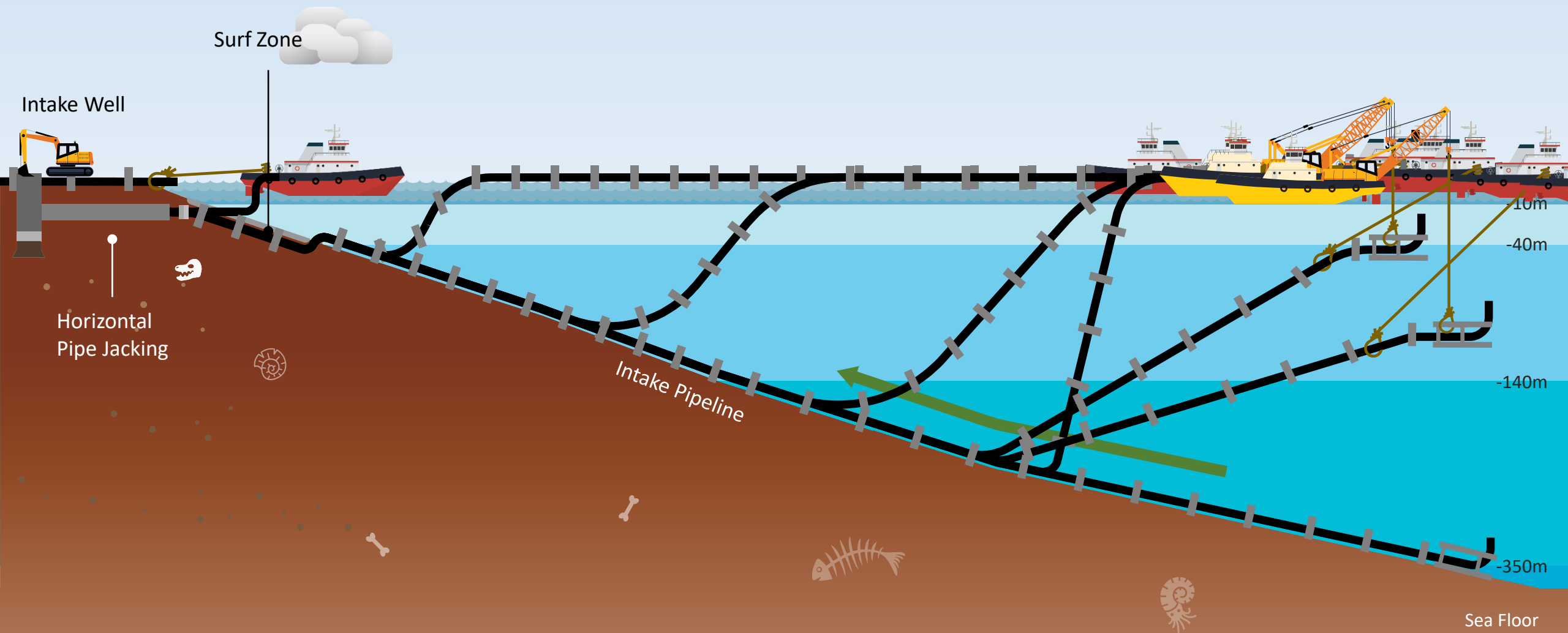


5 溫水散熱
HEAT DISPERSION



6 溫水散熱分析 3D
HEAT DISPERSION 3D ANALYSIS

海洋深層水工程 DEEP SEAWATER ENGINEERING



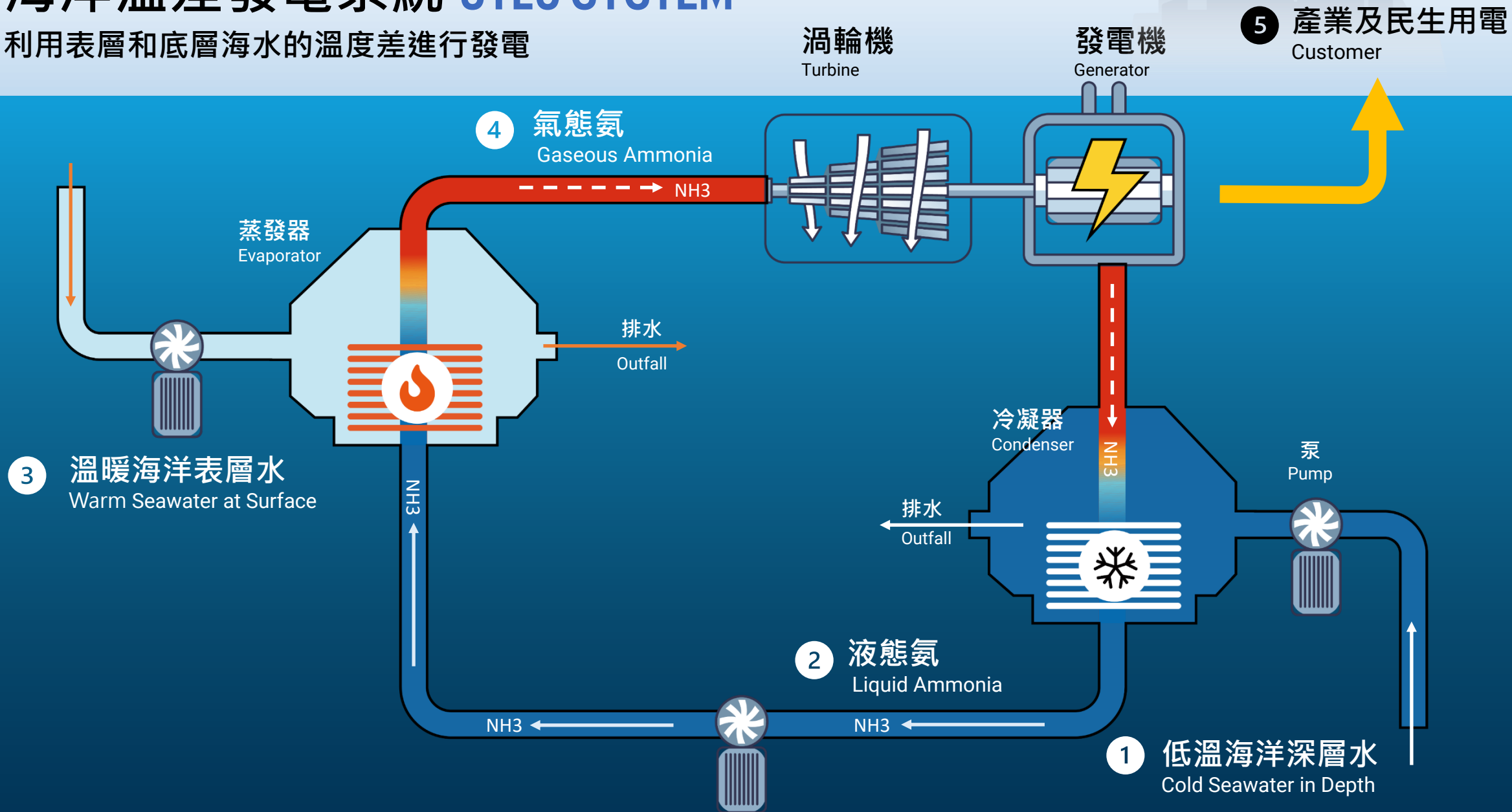


Work Vessel

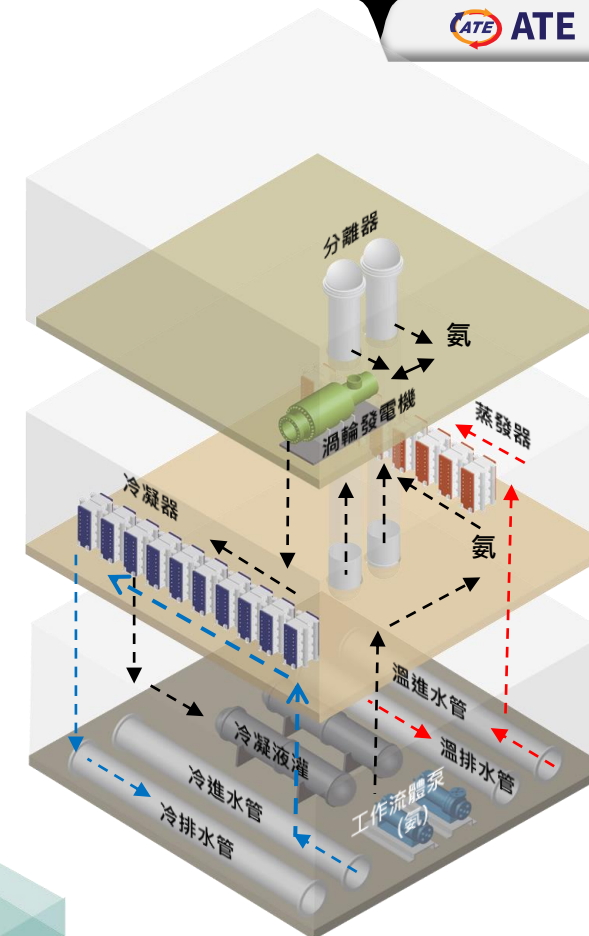
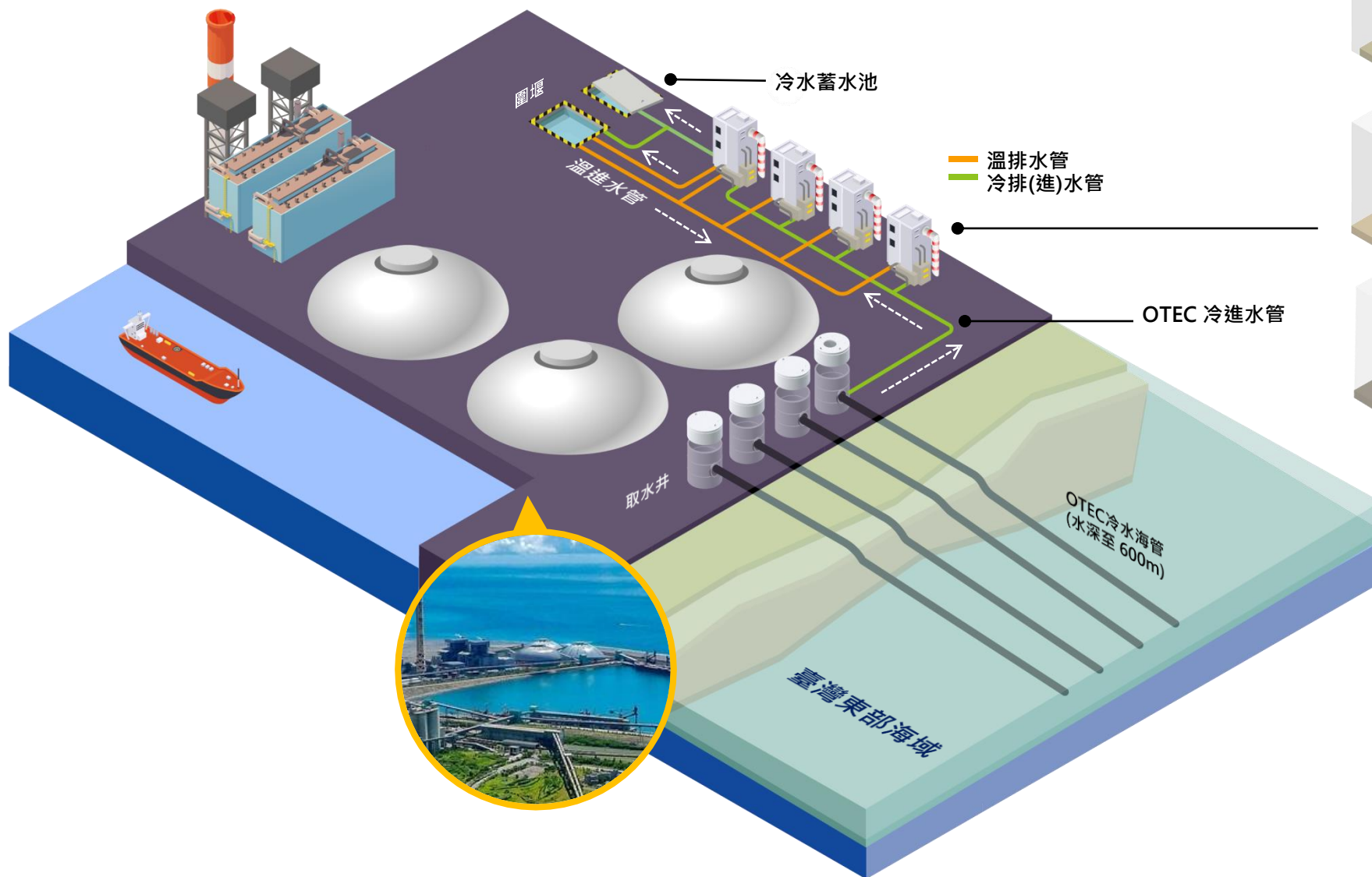
DEEP SEA WATER INTAKE SYSTEM, TAITUNG

海洋溫差發電系統 OTEC SYSTEM

利用表層和底層海水的溫度差進行發電



和平電廠海水溫差發電 HPPC OTEC



OTEC 電廠

新竹海水淡化系統 HSINCHU SEAWATER DESALINATION PLANT



CABLE LAYING AND OFFSHORE MAINTENANCE SERVICE



海洋工程 PROJECT MAP

TAIWAN



台灣南水局專案
Taitung, Taiwan



現代科威特專案
Al-zour, Kuwait



PHILIPPINES



菲律賓總專案數
PHILIPPINES PROJECTS

12 PROJECTS
23 UNITS



INDONESIA



旭硝子芝勒貢專案
Cilegon, Indonesia



海洋工程 PROJECT MAP

■ ONGOING PROJECT

12 PROJECTS

23 UNITS



LIMAY

1 SMC PROJECT
Limay, Philippines

2 SMC PROJECT
Limay, Philippines



MASINLOC

3 SMC PROJECT
Masinloc, Philippines



ILOILO

4 PANY ENERGY PROJECT
Iloilo, Iloilo, Philippines



BATANGAS

5 SMC PROJECT
Batangas, Philippines



MARIVELES

6 SMC PROJECT
Mariveles, Bataan, Philippines

7 SMC PROJECT
Mariveles, Bataan, Philippines



MALITA

8 SMC PROJECT
Malita, Philippines



TOLEDO

CEBU ENERGY PROJECTS
Toledo, Cebu, Philippines

9 PHASE 01

10 PHASE 02



BATO

11 ABOITIZ POWER PROJECT
Toledo, Cebu, Philippines



DAVAO

12 SMC PROJECT
Toledo Del Sur, Philippines



綠能/再生能源及環境控制

GREEN/RENEWABLE ENERGY AND ENVIRONMENTAL CONTROL

ATE ECO ENERGY TOTAL SOLUTIONS



台灣專案 TAIWAN PROJECTS

環保綠能



馬祖列島
MATSU ISLANDS

亞通電力 / 新竹湖口
**全國最大屋頂型
太陽能電廠**
The biggest Rooftop Solar
Power Plant in Taiwan

澎湖縣
PENGHU

蘭嶼
LANYU

太陽能發電系統 SOLAR PV SYSTEM

- 湖口屋頂型太陽能電廠 /
Rooftop Solar Power Plant, HSINCHU
- 湖口車棚型太陽能電廠 /
Solar Parking Canopy, HSINCHU
- 台電台中、高雄及離島發電廠附設太陽能示範場 /
Solar Power Plant Demonstration Fields of TPC
TAICHUNG, KAOSIUNG and Offshore Islands
- 宜家家居桃園、台中分店屋頂型太陽能電廠 /
Rooftop Solar Power Plant of IKEA TAOYUAN and
TAICHUNG Branches

污染防治及循環經濟 ENVIRONMENTAL CONTROL AND CIRCULAR ECONOMY

- 林口發電廠筒式煤倉 /
Coal Silo System, TPC LINKOU
- 台中電廠底渣處理工程 /
Bottom Ash Handling SYSTEM, TPC TAICHUNG
- 台南柳營循環經濟示範廠 /
Circular Economy Demonstration Plant, TAINAN

電力系統 POWER SYSTEM

- 正隆汽電共生廠 /
HENG LONG CO-GEN PLANT, TAICHUNG
- 台合汽電共生廠 /
TASCO CO-GEN PLANT, KAOHSIUNG
- 大潭燃氣電廠 /
TAI TAM GAS-FIRED POWER PLANT, TAOYUAN
- 和平電廠海水溫差發電 /
EASTERN TAIWAN OCEAN THERMAL ENERGY CONVERSION,
HUALIEN



VS

AFC

調頻備轉
Regulation
Reserve



E-dReg

電能移轉複合
動態調節備轉
Energy-shifting with
Dynamic Regulating
Function Reserve

高端醫療

HIGH END MEDICAL



質子治療 PARTICLE THERAPY

CANCER TREATMENT

01 PROTON THERAPY

BEAM TRANSPORT

CYCLOTRON

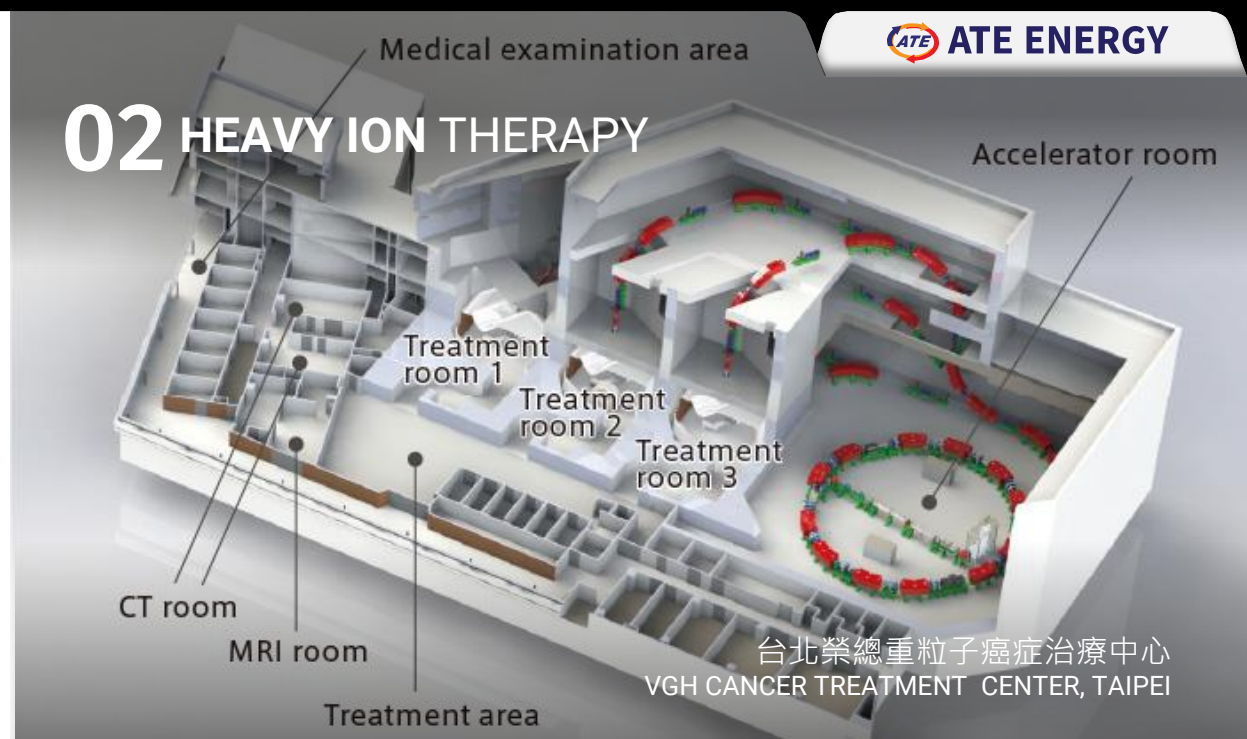


GANTRY

TREATMENT ROOM

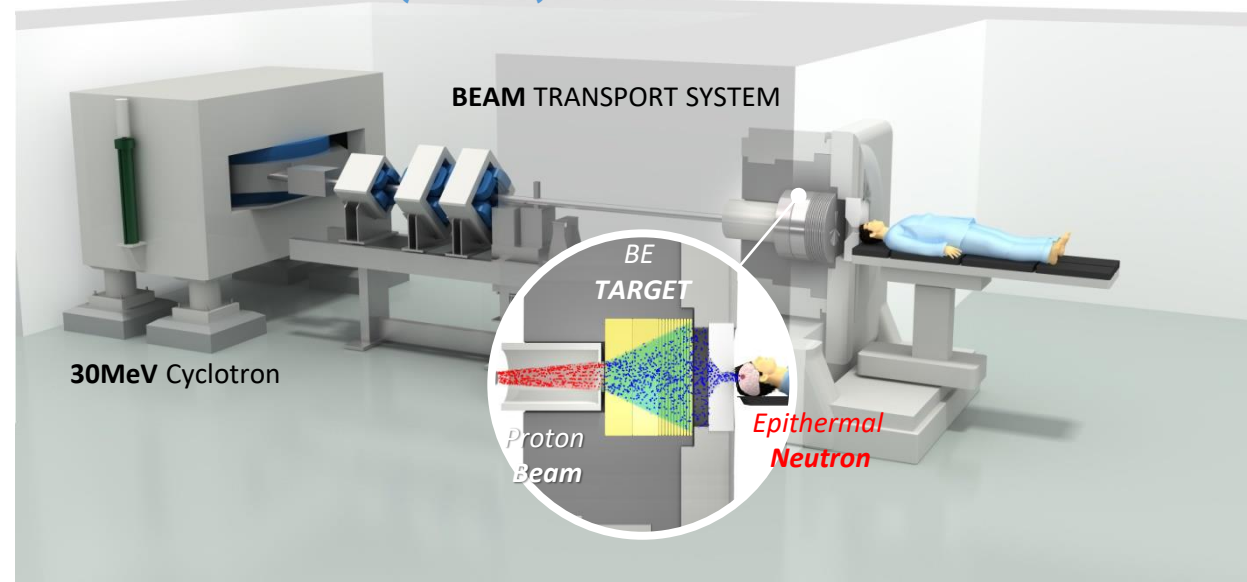
長庚林口質子治療中心
CGMH PTS, Linkou

02 HEAVY ION THERAPY

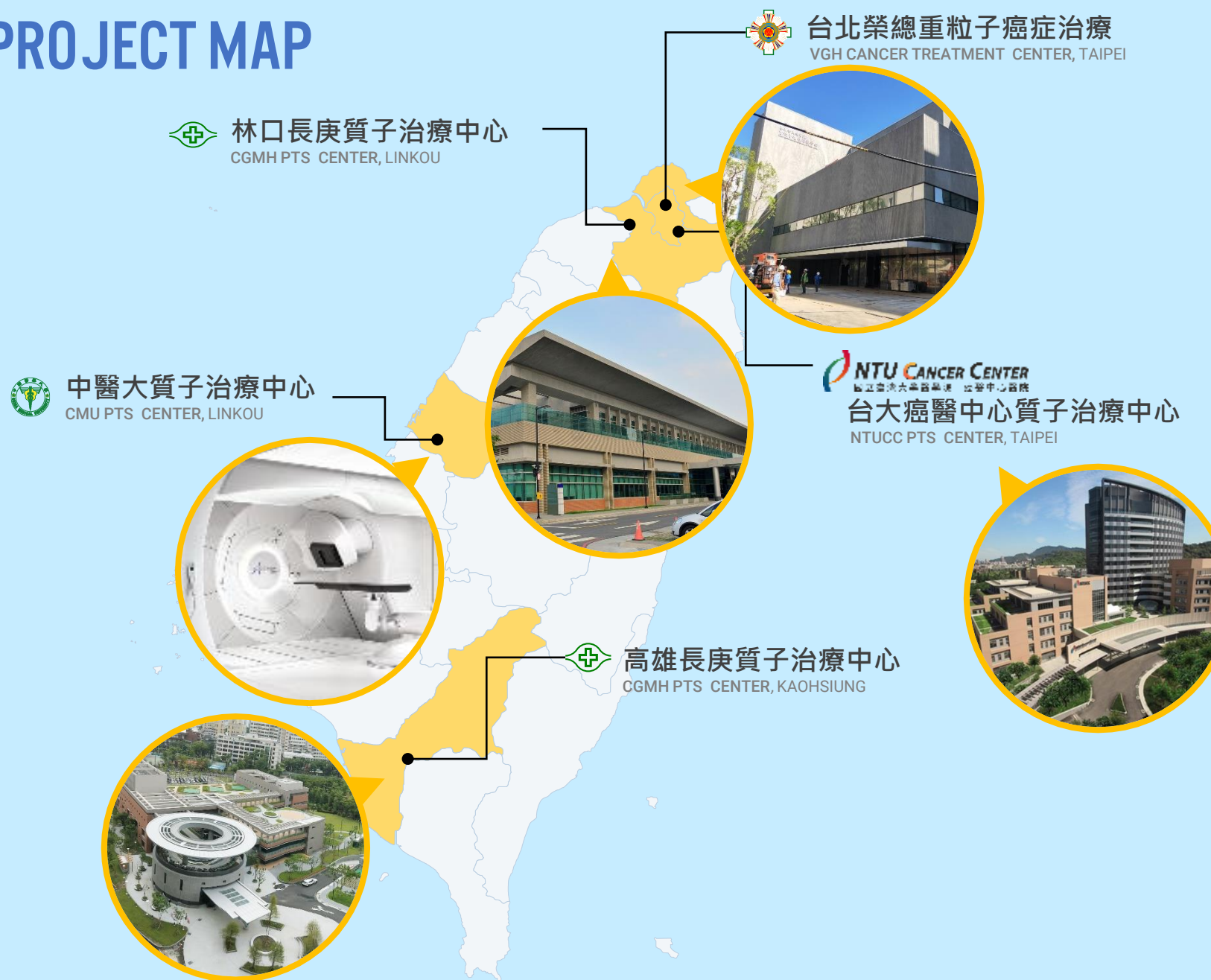


台北榮總重粒子癌症治療中心
VGH CANCER TREATMENT CENTER, TAIPEI

03 BORON NEUTRON CAPTURE THERAPY (BNCT)



高端醫療 PROJECT MAP



交通及基礎建設

TRANSPORTATION AND INFRASTRUCTURE



交通及基礎建設 PROJECT MAP

TRANSPORTATION AND INFRASTRUCTURE



安坑輕軌
AN-KENG LRT SYSTEM
NEW TAIPEI CITY

台中捷運 G9 站
MRT G9 STATION, TAICHUNG



台中捷運 G10 站
MRT G10 STATION, TAICHUNG



ATE INFRA JOINT VENTURE



新馬尼拉機場聯外道路
NAIAX-EDSA TRAMO PROJECT
MANILA, PHILIPPINES



經營實績

OPERATING PERFORMANCE



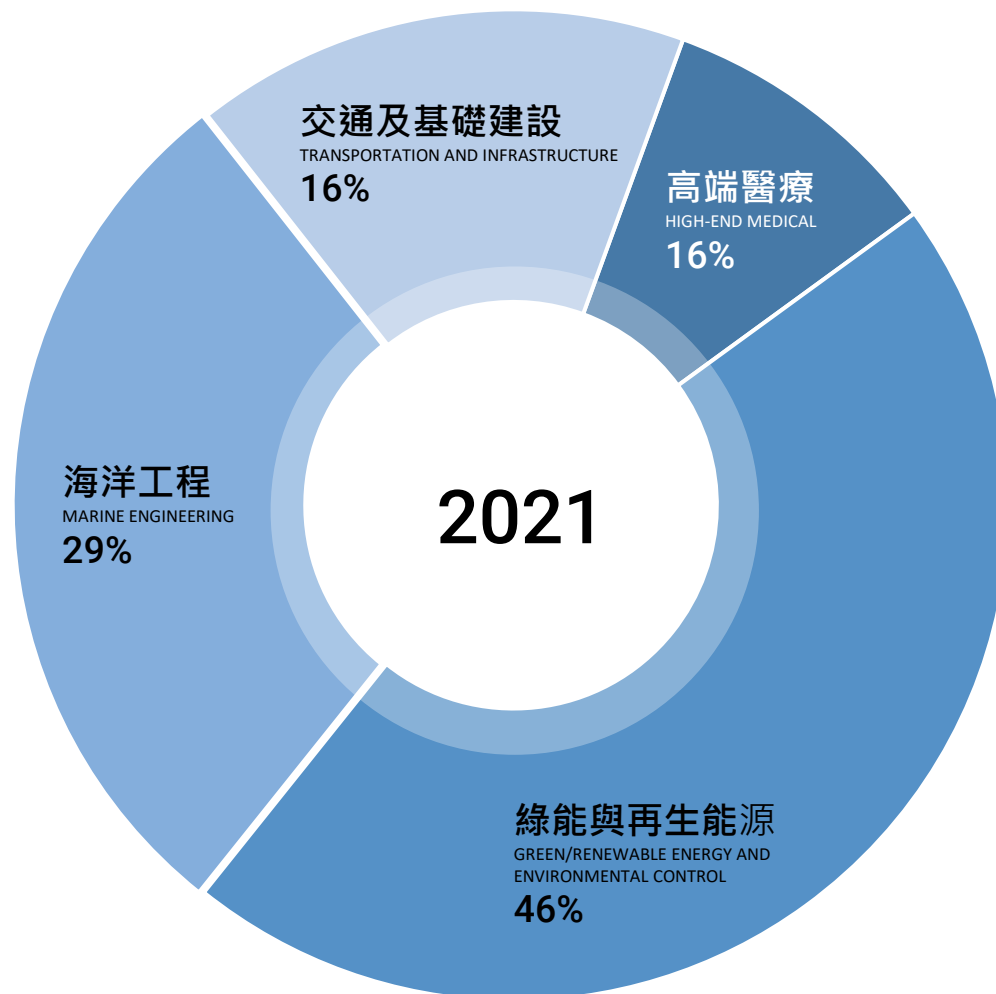
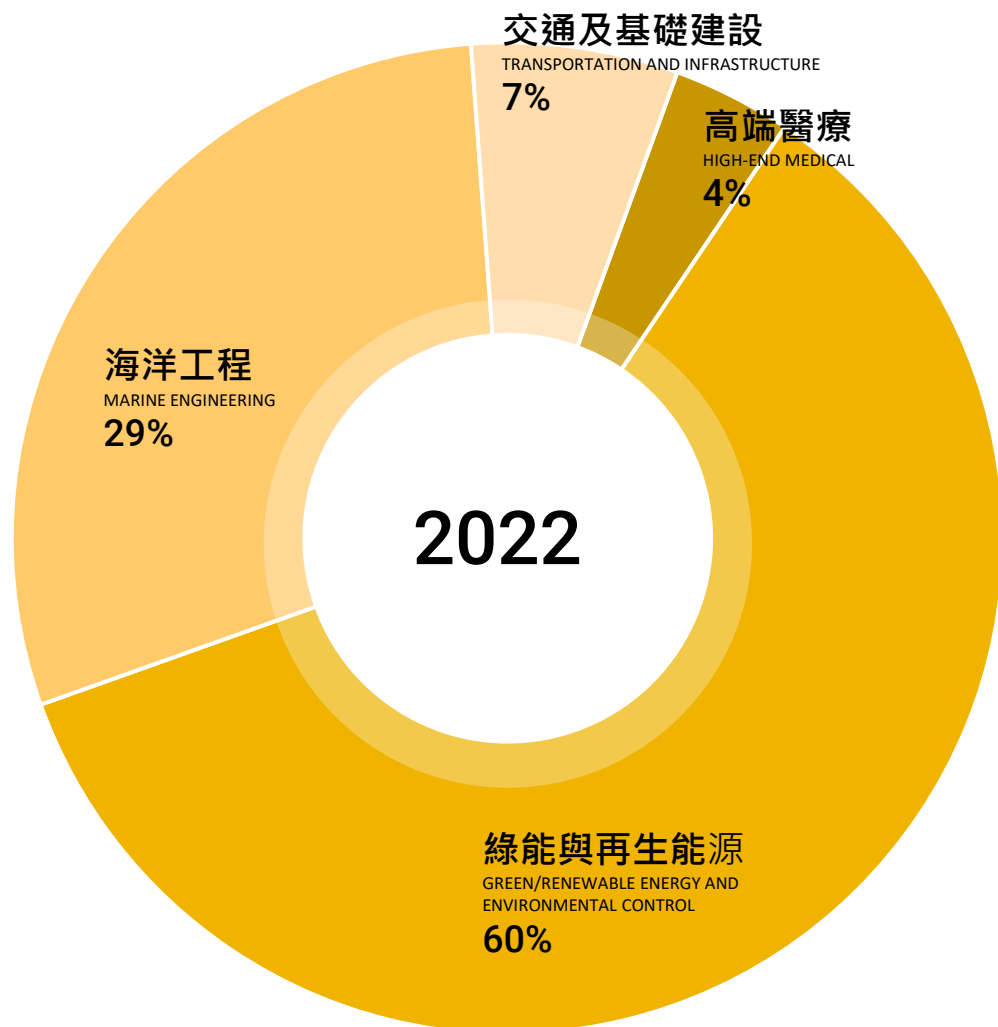
2022 營業收入財報比較

2022 OPERATING REVENUE FINANCIAL STATEMENT (YOY)

	2022	2021	YoY %
新台幣仟元 In Thousand NTD	金額 Amount	金額 Amount	%
營業收入 Operating Revenue	2,636,137	3,060,136	-13.9%
營業成本 Operation Costs	(2,574,996)	(2,650,500)	
營業毛利 Gross Profit	61,141	409,636	-85.1%
營業費用 Operating Expenses	(203,149)	(212,255)	
營業淨利(損) Profit from Operations	(142,008)	197,381	-171.9%
營業外收(支) Non-Operating Income and Losses	46,123	(16,842)	
合併稅前淨利(損) Consolidated Pre-tax Profit (Loss)	(95,885)	180,539	-153.1%
所得稅利益(費用) Income tax benefit (expense)	307	(36,710)	
合併稅後淨利(損) Consolidated Net Income (Loss) After Tax	(95,578)	143,829	-166.5%
每股盈餘 Earnings Per Share	(0.90)	1.84	

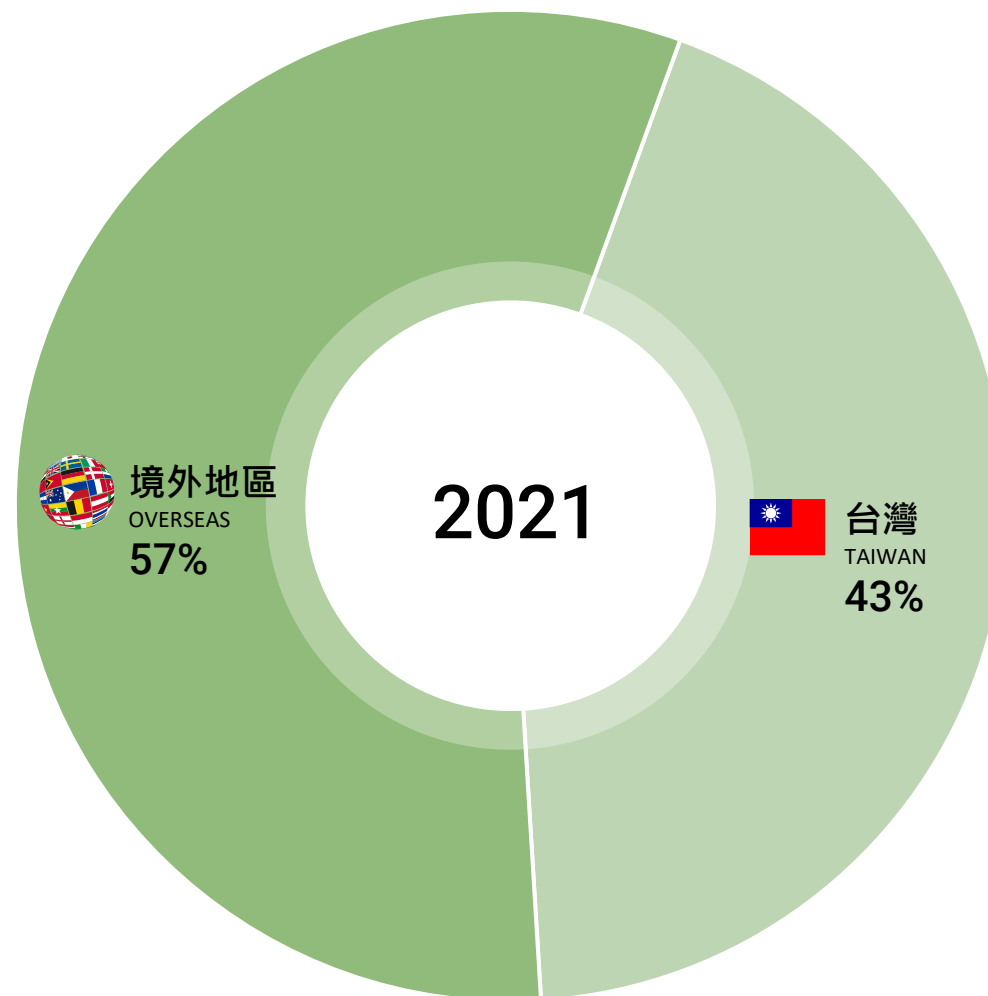
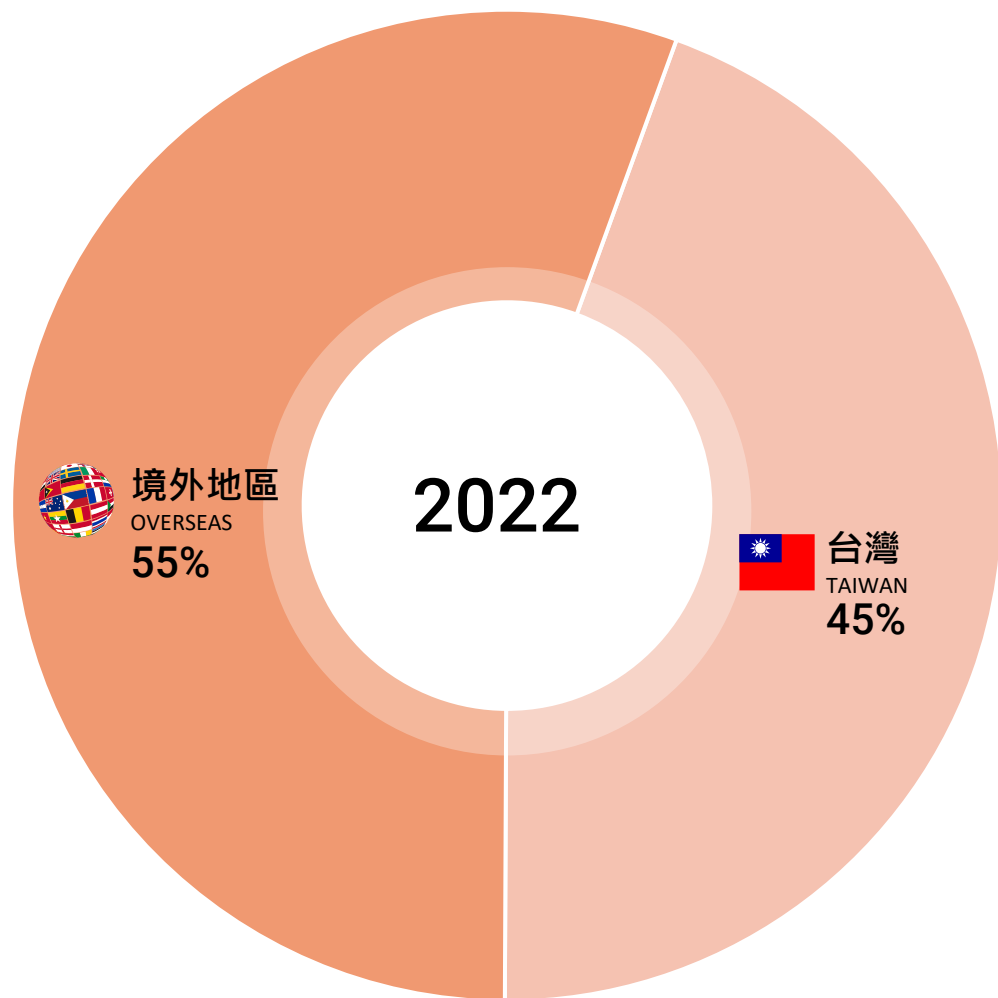
營業收入 2022 / 2021

以事業體分類



營業收入 2022 / 2021

依地區別分類



未來展望

WHAT'S NEXT



專案計畫 PROJECT PLAN IN TAIWAN

進行中專案

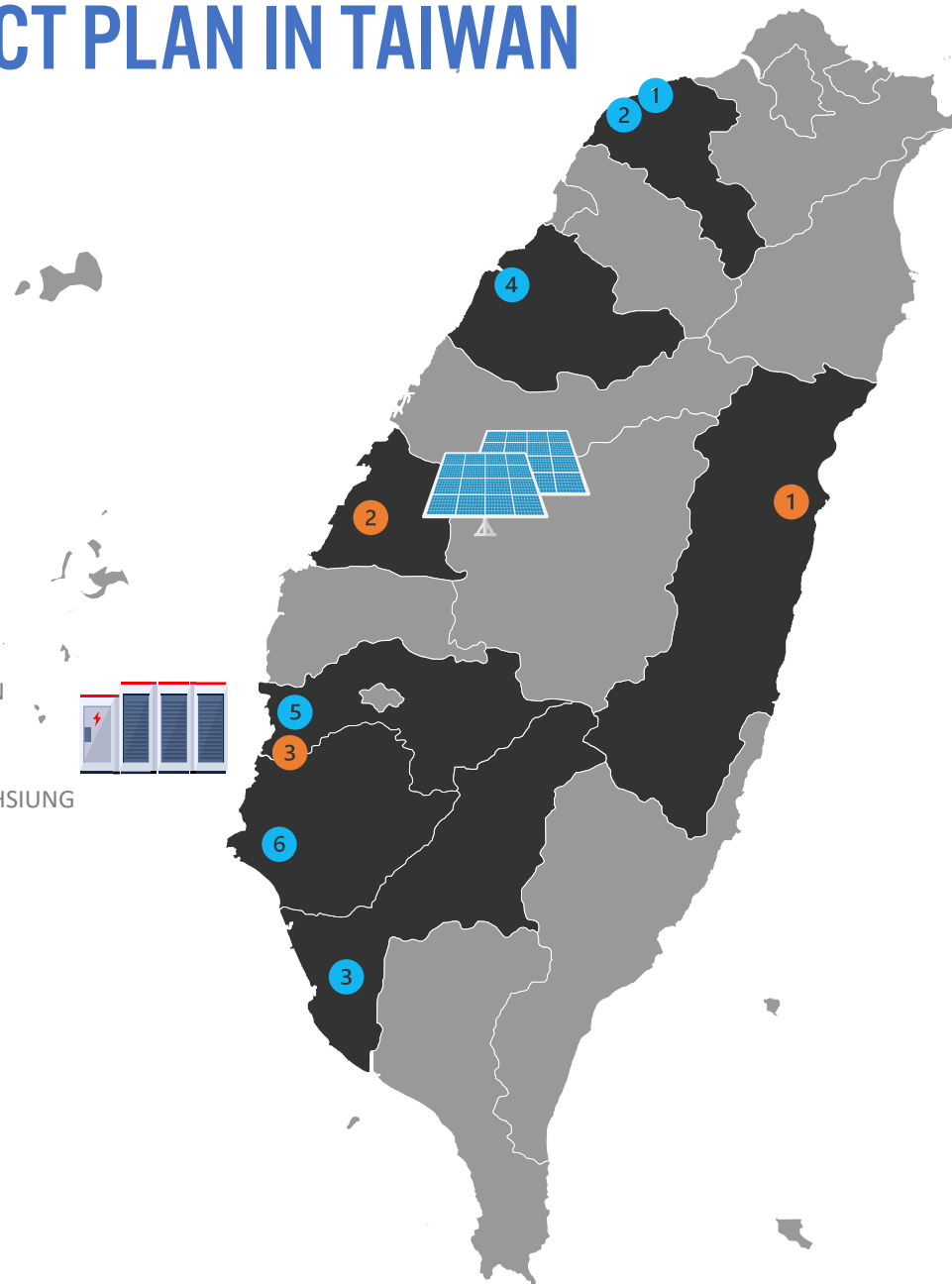
ONGOING PROJECT

- 1 台灣立方廢轉能 /
TAIWANCUBE WTE, TAOYUAN
- 2 法蘭摩沙循環經濟 /
FRAMOSA CIRCULAR ECONOMY. TAOYUAN
- 3 台電氢能發電系統 /
TPC HSINTA H2 CO-FIRING PROJECT, KAOHSIUNG

電池儲能系統 /

BESS SYSTEM

- 4 苗栗 4.99 MW 儲能專案
2MW BESS PROJECT, MIAOLI
- 5 嘉義 2MW 儲能專案
2MW BESS PROJECT, CHIAYI
- 6 台南 4.99MW 儲能專案
2MW BESS PROJECT, TAINAN



議約中專案

UNDER NEGOTIATION

- 1 和平電廠海水溫差發電 /
EASTERN TAIWAN OTEC, HUALIEN
- 2 彰化太陽能電廠 95 + 99MW /
95+99MW SOLAR FARM , CHANGHUA
- 3 嘉義儲能 20 + 20 MW 系統 /
20+20MW BESS PROJECT, CHIYAI

專案計畫 PROJECT PLAN OVERSEAS

進行中專案 ONGOING PROJECT

- 1 MARIVELES 700 MW POWER PLANT /
MARIVELES, PHILIPPINES
- 2 MASINLOC 700 MW POWER PLANT /
MASINLOC, PHILIPPINES
- 3 BATANGAS LNG POWER PLANT /
BATANGAS, PHILIPPINES
- 4 AIRPORT GROUND ACCESS ROAD /
MANILA, PHILIPPINES

議約中專案 UNDER NEGOTIATION

電廠工程 POWER PLANT

- 1 3 NEW POWER PLANTS 300MW /
LUZON ISLAND, PHILIPPINES

綠能工程 POWER PLANT

- 2 SOLAR FARM 150MW /
MARIVELES, PHILIPPINES

海洋工程 POWER PLANT

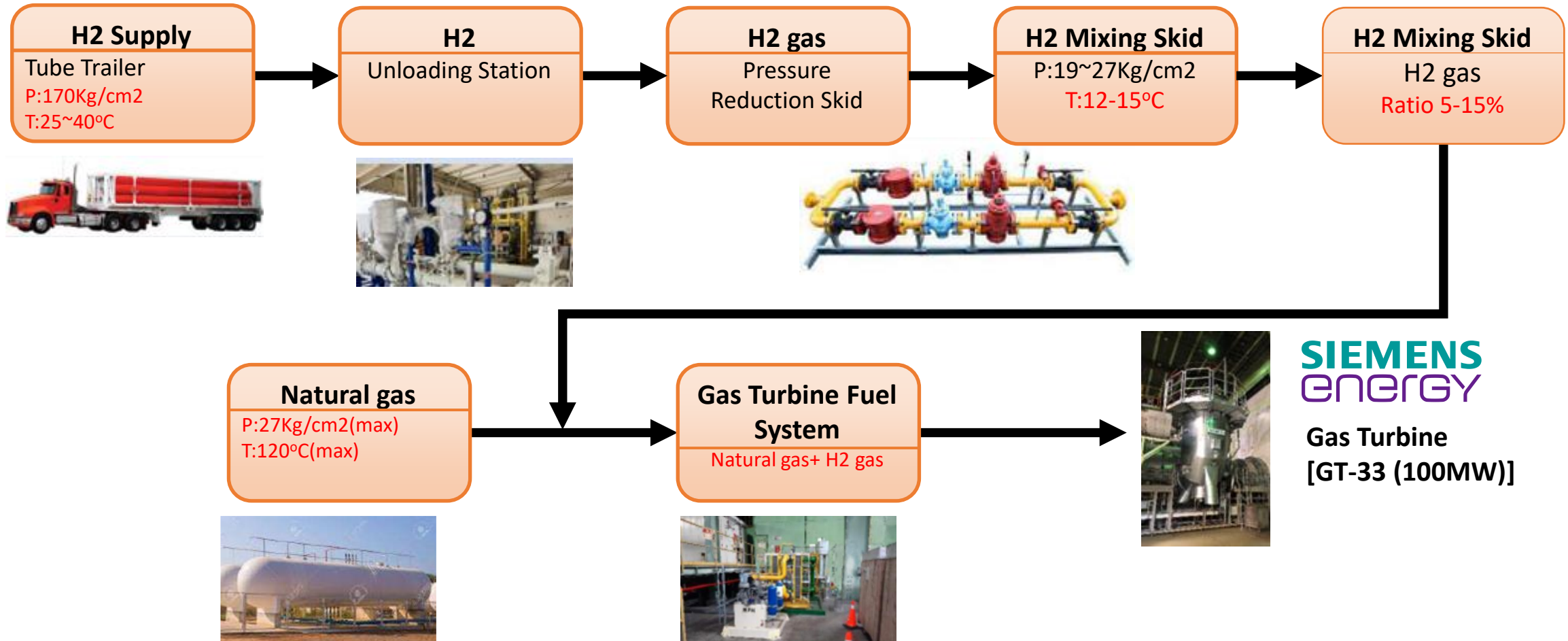
- 3 MARIVELES Phase II 700MW/
PHILIPPINES
- 4 MASINLOC POWER PLANT 350MW/
PHILIPPINES
- 5 NEW POWER PLANT 150MW/
NEAR BATANGAS, PHILIPPINES

交通及基礎建設 TRANSPORTATION AND INFRASTRUCTURE

- 6 NEW MANILA INTERNATIONAL AIRPORT /
BULACAN, PHILIPPINES
- 7 S. LUZON EXPRESSWAY /
LUZON ISLAND, PHILIPPINES

台電氢能發電系統 TPC HSINTA H2 CO-FIRING PROJECT

1. The purpose of hydrogen mixing: mainly to reduce carbon emissions (CO₂)
2. Hydrogen Demand: 1711M³/h~5569M³/h, Purity: 99%
3. Description of the hydrogen mixing process in this Project:



CORE VALUES

Better Life • Better Tomorrow

改善生活品質 創造更好的明天

我們的承諾

OUR COMMITMENT



CLIMATE CHANGE
氣候變化



WASTE & POLLUTION
廢棄物與污染



NATURAL CAPITAL
自然資本

ENVIRONMENT
環境保護



HEALTH & SAFETY
健康安全



SOCIETY
社會



HUMAN RIGHTS
人權

SOCIAL
社會責任



CORPORATE
GOVERNANCE
公司治理



STAKEHOLDER
ENGAGEMENT
利害關係人參與



TRANSPARENCY
資訊透明

GOVERNANCE
公司治理



OUR FAMILY

屏東望嘉國小 WANGJIA ABORIGINAL ELEMENTARY SCHOOL



SOCIAL
RESPONSIBILITY



THANKYOU