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## CHINA ECOTEK CORPORATION Investor Conference 2022.12.21

http://www.ecotek.com.tw/cec\_csr/index.php

創造對環境友善、讓客戶信賴的全方位工程公司





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# Agenda



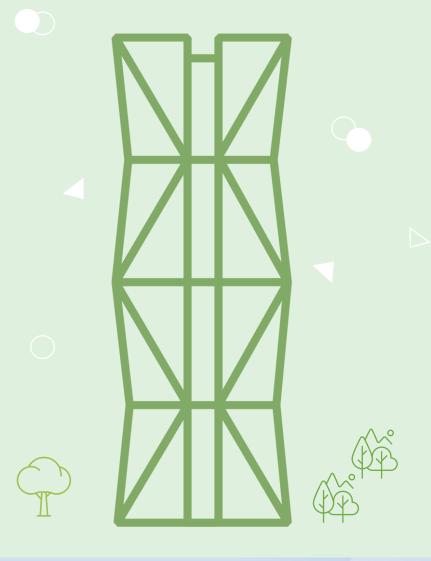




Financial Highlights

Future Prospects







### **Business Overview**

## **Business Overview**





M&E Engineering



**Green Energy & Environmental** 

**Engineering** 



**Operation & Maintenance** 



**Refractory Engineering** 



**Biotechnology Engineering** 

## **M&E** Engineering





#### **Business strategy**

Upgrade M&E technical level. Cooperate with massive subcontractors. Extend the business range of M&E engineering.

Proactively expand the engineering capacity inside and outside the Group, contracting EPC projects so the revenue and profit can increase.

#### Major ongoing Projects during 2022

- CSC New Ph. 1&2 Coke Oven Plant(COP) Revamping Project
- CSC New Ph. 1&2 Coal Sample Preparation Work
- CSC Coke Conveying & Handling System, new-built Project
- CSC New Coal Enclosed Building Conveyor System, Ph. 2 Project
- CSC Ph. 1&2 Coke Dry Quench(CDQ), Power Station Public Pipeline Work
- CSC Ph. 1&2 CDQ & CWQ Coke Discharge Project
- CSC Power Plant Motor Blower, new-built Project
- CSMC 69KV Major Power Station Revamping Project
- SinDa Marine Structure Co. Utility Facility New Project
- POLYPLASTICS TAIWAN CO. TLP-1(LCP) Plant Project

## **M&E Engineering**

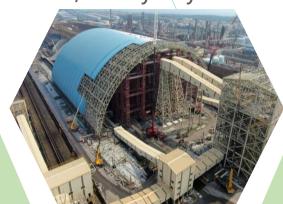


CSC Coal/Iron Ore Conveyor System Revamping

CSC New Coal Enclosed Building Ph. 2, Conveyor System

SinDa Marine Structure Co. Utility Facility Renovation Project





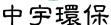


POLYPLASTICS TAIWAN CO. TLP-1(LCP) Plant Project



# Green Energy & Environmental Engineering







#### **Business strategy**

- Strive for undertaking air pollution control EPC project such as de-NOX, de-SOX and dust-collecting device.
- Promote EPC project for PV system engineering, targeting on the Group projects and extends outside the Group.
- Continuously develop sewage and pure water treatment.

#### Major ongoing Projects during 2022

- CSC Group (CSC, DSC, CHSTEEL, CHC, CSRC...) PV System **Construction Project**
- **CSC CDQ Dust-collecting System Turnkey Project**
- CSC W2 New Ph. 1&2 Coke Oven Plant(COP)
- CSC W2 New Ph. 1&2 COP, Pushing Emissions Control Systems (PECS)
- CSC W2 No. 3 Dust-collector Turnkey Project
- **CSC CDQ Cooling System Project**
- CSC Power Plant TG-9/TG-10 Extension Project
- **CSC Effluent Disposal Bio Filter Extension Project**
- CSC & DSC Demineralized Water System Revamping Project
- Caotun Water Purification Plant Construction

# Green Energy & Environmental Engineering





## **Operation & Maintenance**





#### **Business strategy**

- On-site O&M work at CSC and DSC provides stabilized profit.
- Keep up O&M work at public construction for sewage and Advanced water treatment.

#### Major ongoing Projects during 2022

- CSC Group Site Maintenance
- CSC Raw Material Preparation Treatment Yard (RMTP)
   Operation Work
- CSC Recycling Site Operation Work
- CSC Industrial Wastewater Purification Yard, Operation & Maintenance
- DSC Water Treatment Plant, Operation & Management
- Cheng-Ching Lake Advanced Water Treatment Plant O&M
- Kinmen county, Tai-hu Advanced Water Treatment Plant O&M

## **Operation & Maintenance**



Cheng-Ching Lake Advanced Water Treatment Plan

**DSC Waste Water Treatment Plant** 



Kinmen county, Tai-hu Water Treatment Plant

**CSC Industrial Waste Water Treatment Plant** 



## **Refractory Engineering**





#### **Business strategy**

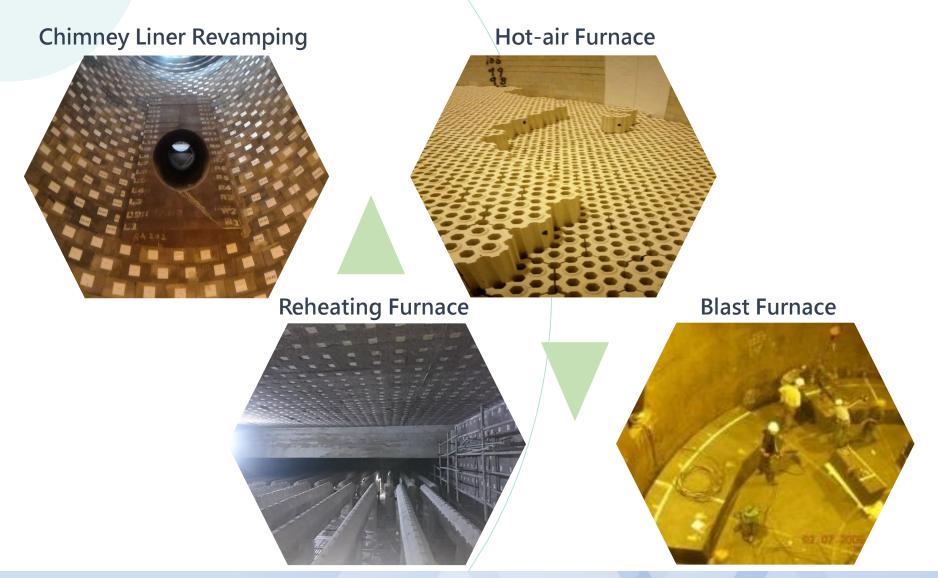
- Strengthen the professional technique, searching for sources of global refractory materials and expanding business about refractory turnkey construction.
- Install self-own factory. Develop & invest refractory formula. Train engineering team, and enhance value chain.

#### Major ongoing Projects during 2022

- CSC New Ph. 1&2 Coke Oven Plant(COP) Revamping Project Furnace Project
- CSC Ph 4. Coke Dry Quench(CDQ) Oven Brick Revamping Project
- DSC Refractory Lining Restore Project (Sinter Plant)
- CSC #21 Hot-air Furnace Revamping Project
- CSC #22 Hot-air Furnace Refractory Restoration Project
- CSC #33 Hot-air Furnace Revamping Project
- CSC Y41-3 Reheating Furnace Revamping Project

# **Refractory Engineering**





# **Biotechnology Engineering**





#### **Business Strategy**

Biotechnology Engineering includes services such as: (1)Design Engineering (2)Construction (3)Validity Test

#### Major ongoing Projects during 2022

EirGenix Co. Zhubei Plant, Building B. Construction & Design Project EirGenix Co. Zhubei Plant, 5F Assembly Line Construction Adimmune Co. Vaccine-filling Line Project

Formosa Laboratories, INC. M&E Project

Building Interior

Air-con& Ventilation Light Current

Firefighting

Drainage & Wastewater Treatment

Pipeline Cleaning

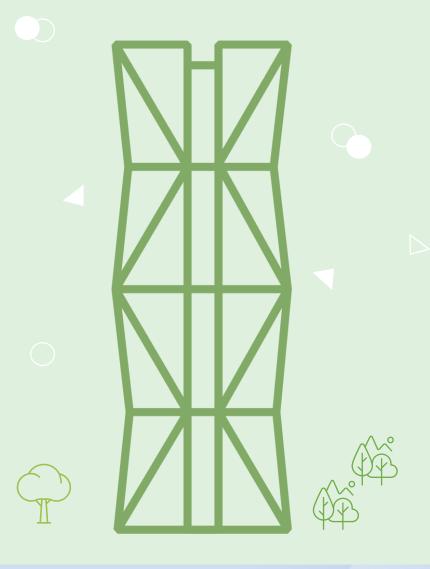
Utility

# **Biotechnology Engineering**





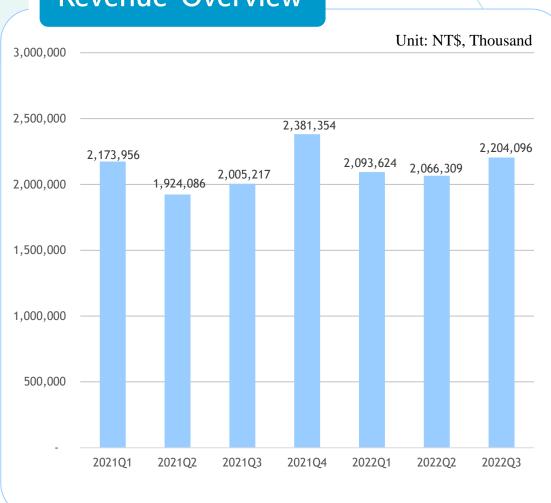


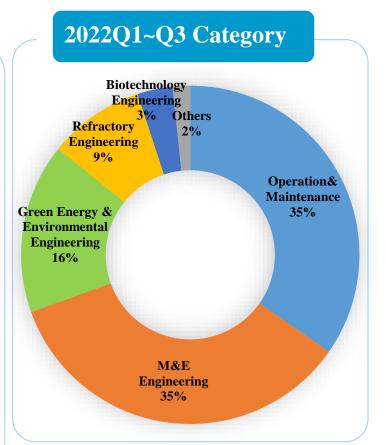






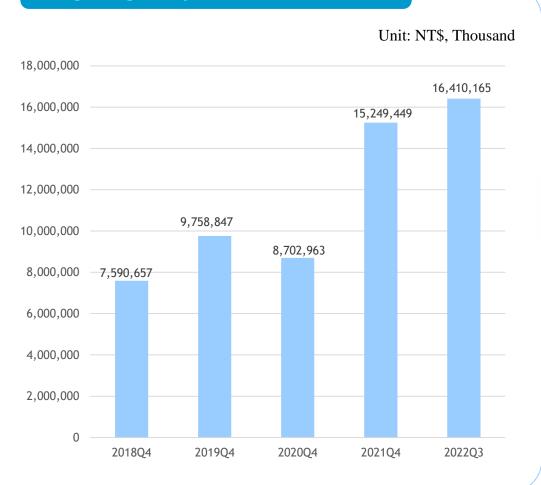
#### **Revenue Overview**

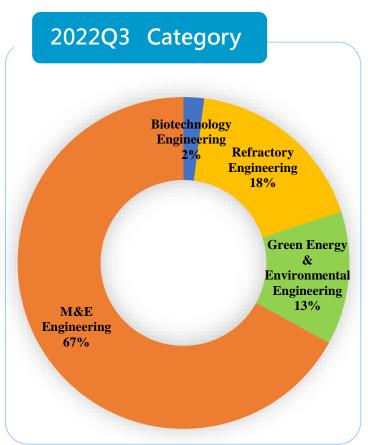






#### On-going project Overview





Note : exclude from Operation & Maintenance



#### **Consolidated Income Statement**

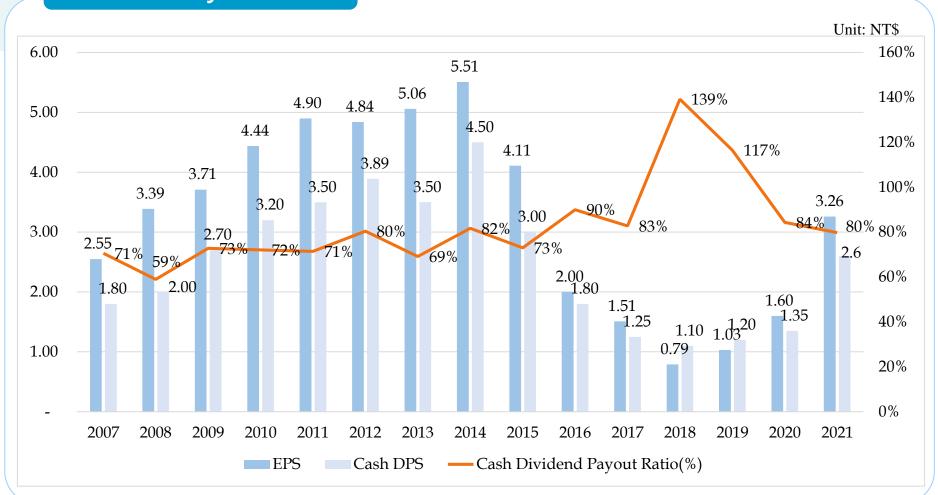
Unit: NT\$, Thousand

	2022/01/01-09/30		2021/01/01-09/30		YOY
Sales Revenues	6,364,029	100%	6,103,259	100%	4%
Operating costs	5,787,212	91%	5,578,472	92%	4%
Gross Profit	576,299	9%	519,929	8%	11%
Operating expenses	343,966	5%	333,636	5%	3%
Operating Income	232,333	4%	186,293	3%	25%
Total non-operating income and expenses	277,717	4%	182,262	3%	52%
Profit before income tax	510,050	8%	368,555	6%	38%
Income tax expense	69,743	1%	62,610	1%	11%
Profit for the period	440,307	7%	305,945	5%	44%
Total basic earnings per share	3.56		2.47		

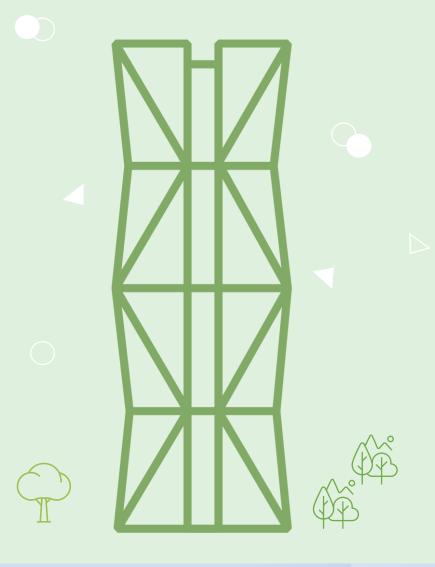
<sup>\*</sup> Remark: Above data is reviewed by accountant



#### **Dividend Payout Ratio**









**Future Prospects** 

## **Future Prospects**









#### Develop Circular Economy

- Expand PV engineering outside the Group and energy storage system
- CSC co-production of steel & chemistry
- CSC carbon capture and storage (CCS) engineering
- **Reclaimed Water Development Project**
- Expand sales items about energy saving and carbon reduction, such as business LED and air purifier.

#### **Enlarge Business Domains Develop Digital Transformation** Combine R&D inside &

- outside the Group
- Enhance techniques of air pollution control and water treatment
- Participate in the Group's **Integral Design**
- Increase proportion of independent design
- Labor with material in Refractory Engineering

- Import smart wear for
- Optimize management of pipeline and materials

construction work

- Import the design of smart material management
- Strengthen operational execution ability to support administration system

# Future Operation & Business Opportunities





#### **M&E Engineering**

- CSC Coke Oven Plant Revamp Project
- CSC Stock-yard & Conveyor system Revamp
- CSC New Ph. 1&2 Coal Sample Preparation Work
- CSC 2<sup>nd</sup> Acid Pickling Cold-rolling Line, PLCM Project
- DSC #1BF Blast Furnace Major
   Overhaul
   Sales Business

#### **Sales Business**

- air purifier, activated carbon adsorption
- LED, industrial socket
- refractory materials
- water treatment chemicals

#### **Operation & Maintenance**

- CSC Site Maintenance
- CSC Recycling Yard O&M
- CSC Raw Material Preparation Treatment Yard (RMTP) Operation Work
- Water Treatment Plant O&M (CSC, DSC, Cheng-ching Lake, Kinmen)

# M&E Engineering Green Energy & Environmental Engineering



Biotechnology Engineering



#### **Refractory Engineering**

 CSC & DSC Refractory Revamping for Heating Furnace Reheating Furnace and Converter

# Green Energy & Environmental Engineering

- Waste Water Treatment Equipment Revamping
- Air Pollution Control FGD&SCR
   System and Dust-collecting
   Engineering
- Public Works(Purified Water, Recycled Water, Seawater Desalination)
- PV Installation Project
- Energy storage system
- CSC co-production for steel and chemical, carbon capture & storage (CCS) engineering

#### **Biotechnology Engineering**

- Hsinchu Biomedical Science Park
- South Smart Biomedical Industrial
- Ping-tung Agricultural Biotechnology Park

## **Expand Sales Business**





environment

## Expand Sales Business





LED Lighting



Auxiliary Chemicals for water treatment

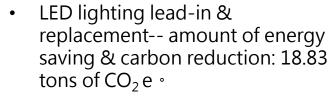


Refractory Material

# **ESG**Practice & Performance







Carbon Footprint Verification

# ocial

- Donate air purifier and assist medical system to fight against COVID-19 epidemic
- public interest group donation
- Award of 2022 labor affairs from Kaohsiung City Government

## overnance

Corporate Governance Evaluation: TOP 6-20%

 With TIPS(A class) vertification, and maintain company's competitive advantage







Q&A