

CHOW



OPPORTUNITY DAY 2Q2022 & 1H2022

Strictly Confidential

DISCLAIMER

The information contained in this presentation is strictly confidential and is provided by Chow Steel Industries Public Company Limited (“Chow” or the “Company”) to you solely for your reference. Neither this presentation nor any part thereof may be (i) used for or relied upon by any other party or for any other purposes; (ii) copied, photocopied, duplicated or otherwise reproduced in any form or by any means; or (iii) redistributed, passed on or otherwise disseminated, to any other person either in your organization or elsewhere, without the prior written consent of the Company. By attending this presentation, participants agree not to remove the document, or any materials provided in connection herewith, from the conference room where such documents are provided without express consent from the Company.

Although care has been taken to ensure that the information in this presentation is accurate, and that the opinions expressed are fair and reasonable, the information is subject to change without notice, its accuracy is not guaranteed, has not been independently verified and it may not contain all material information concerning the Company and its subsidiaries. None of the Company nor any of its respective affiliates or any of its or their respective members, directors, officers, employees or affiliates make any representation or warranty (express or implied) regarding, nor assumes any responsibility or liability for, the accuracy or completeness of, or any errors or omissions in, any information contained herein. Accordingly, none of the above nor any other person accepts any liability (in negligence, or otherwise) for any loss arising from or in connection with any use of this presentation or its contents.

This presentation is for information purposes only and does not constitute or form part of any offer or invitation by or on behalf of the Company for sale or subscription of or solicitation or invitation of any offer to or recommendation to buy or subscribe for any securities, nor shall it or any part of it form the basis of or be relied on in connection with any contract, commitment or investment decision in relation thereto in Thailand or any other jurisdiction. Any recipient considering a purchase of securities is hereby reminded that any such purchase should be made solely on the basis of the information contained in the final offering document (which may be different from the information contained in this presentation) and subject to the selling restrictions set out herein. The information in this presentation does not take into consideration the investment objectives, financial situation or particular needs of any particular investor, and should not be treated as giving investment advice.

In addition, this presentation contains financial information and results of operation, and results of operation, and may also contain certain projections, plans, strategies, and objectives of the Company, that are not statements of historical fact which would be treated as forward looking statements that reflect the Company’s current views with respect to future events and financial performance. These views are based on a number of estimates and current assumptions which are subject to business, economic and competitive uncertainties and contingencies as well as various risks which are in many cases outside the control of the Company, and which may change over time and many cause actual events and the Company’s future results to be materially different than expected and indicated by such statements. No assurance can be given that future events will occur, that projections will be achieved, or that the Company’s assumptions are correct. Such forward-looking Statements are not guarantees of future performance and accordingly, the actual results, financial condition, performance or achievements of the Company may differ materially from those Anticipated by the Company in the forward looking statements. You are cautioned not to place under reliance on these forward looking statements.

In providing this document, the Company does not undertake to provide you with access to any additional information or to update the information contained in the document or to correct any inaccuracies therein which may become apparent.

None of Chow or any of their respective affiliates accepts any liability to any person in relation to the granting of access to, or possession of, this document in any jurisdiction.

AGENDA

Company Overview

04

1H2022 Results

21

Forward Looking

25

Q & A

31



CHOW's journey



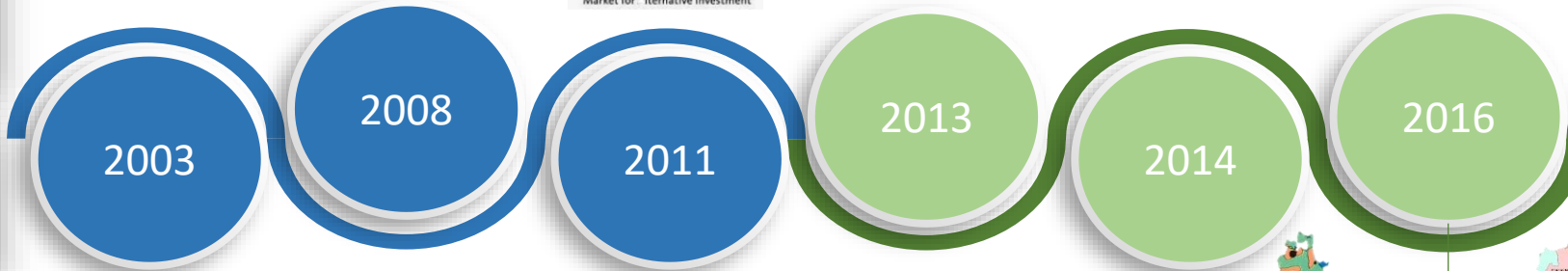
Diversify to Renewable Energy Business

- # Japan : solar farm developer and sale electricity
- # Australia : solar farm developer
- # Thailand : residential and industrial scale

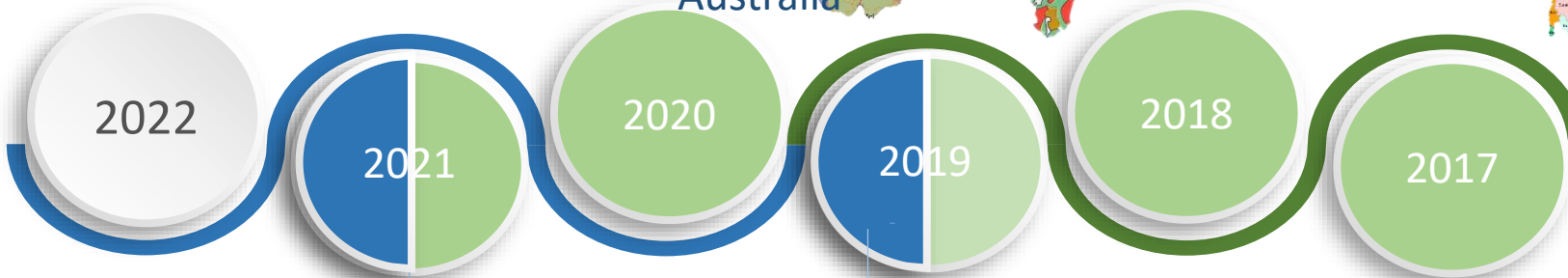
CHOW



CHOW INTERNATIONAL



Steel Billets Production
 # Phase I: at 250,000 tons
 # Phase II : at 480,000 tons



Rolling-mill factory
 # Capacity of 400,000 tons per year



OEM agreement
 Strictly Confidential



Company Profile

Shareholding Structure : as of Sept 9, 2022



61.0% Jiratomsiri Family

39.0% Others

Stock Information

Symbol	CHOW
Trade Market	MAI (December 24, 2011)
Industry	Industrial
Registered & Paid up capital	800 mBaht
Market CAP	3,040 mBaht
P/ E	3.05
P/ BV	1.76

Our Business

1. *Steel Manufacturing*

CHOW is a leading steel billets manufacturer in Thailand which produced by Electricity Induction Furnace Technology (EIF) with a total capacity of 730,000 metric tons per year.

Chow also improve the production process together with a wide range of finished goods to support steel's demand by domestic and oversea customers, the products include steel billets, wire-rod, round bar and etc.



2. *Renewable Energy – Solar (PPA & EPC)*

CHOW diversified to renewable energy business since 2013 by invested and developed Solar power system more than 100 megawatts in overseas and Thailand. And Chow was the first developer who successful of construction and reached COD of Solar Farm in Japan. CHOW continuing expand solar business in Thailand and overseas by offer high quality of equipment, provide best standard of installation process together with after sale service to ensure our services were satisfy the client's needs.



3. *Crypto Mining Service (new business)*

CHOW also explored to a new business, Crypto Mining Service, by limit the CAPEX cost not over than 150 mBaht. CHOW offer transaction prove through block-chain algorithm service, and received crypto-currency as a service fee.



Our Business – Steel

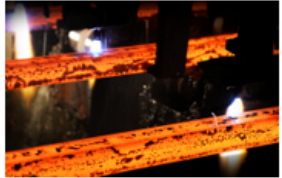
1
**Top 5
 Steel billet player in
 Thailand¹**




3
**London Metal
 Exchange
 Participant**




2
**The 1st
 Thai-listed company
 for steel billet
 manufacturing**



4
**Strong
 Partnerships
 with Chinese
 investors for capacity
 expansion**


 **Stable income** by entering into a toll manufacturing agreement to produce and sell 400,000 metric tons of steel billets

 **Realizing growth** through the continuous focus and investment of renewable energy


 **Agile and effective decision making** with Chow Energy's independent management and governance setup

1. In terms of licensed capacity

Our Core Capabilities

Vertical Integration 
 Provide wide range of products from melting scrap to billets then to end products

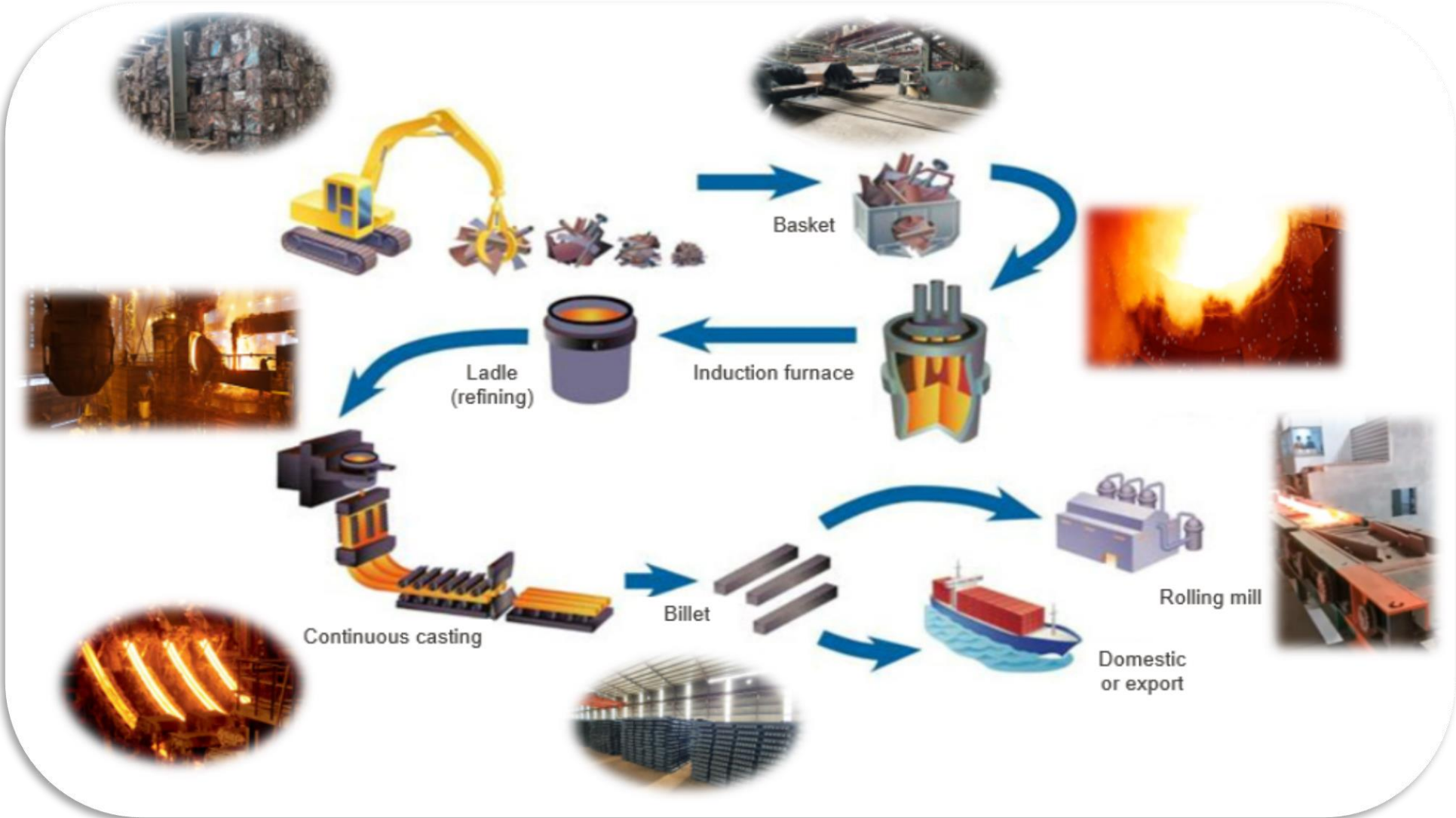
Cash Flow Protection and Liquidity 
 Eliminate steel price fluctuation by entering into committed toll manufacturing agreement for 10 years

Reliable Operations 
 Experience Procurement, Operation, Quality assurance, Maintenance and Safety & Environmental regulations team with ability to work in challenging situation.

Financial Structure 
 IPO in 2011 allows company to access into equity market, debt capital market and working capital from financial institutions.

Our Business - Steel

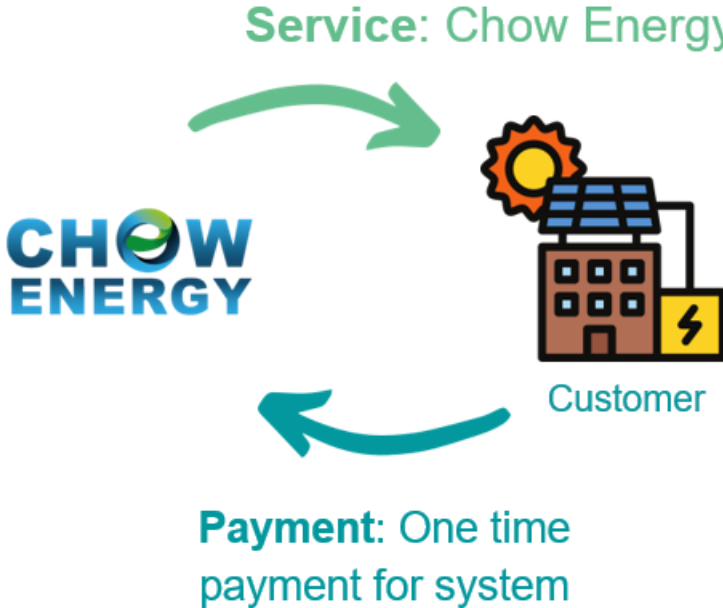
Steel Billet Production Process



Our Business – Renewable Energy

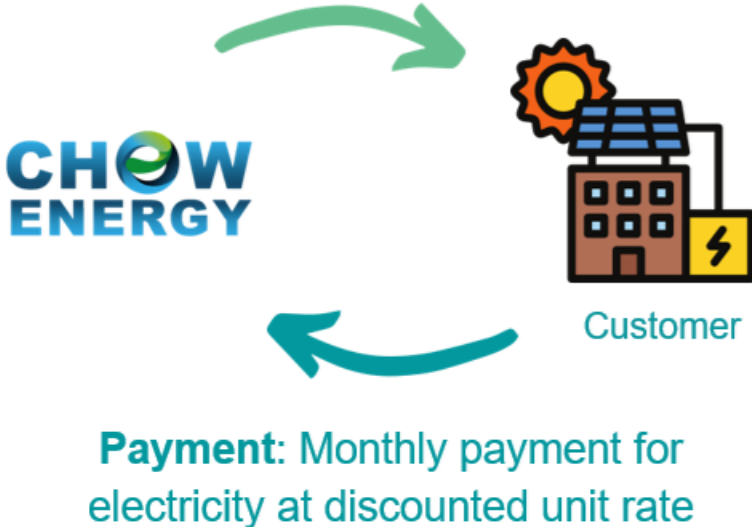
EPC Service

“Huge Annual savings with Tier 1
Quality at attractive prices”



Private PPA

“Zero Investment with fixed discounts
on annual electricity bill”



Our Business -Renewable Energy

Utility-Scale Solar Projects in Japan

Chow was the first Thai investor who successfully bring a Solar project to COD.

Involved from the development stage, construction stage and through to the operation and maintenance, Chow has been involved in excess of 100 MW of projects that have been brought to commercial operation.



Aomori
Total 7.2 MW
COD 2019



Kyoto
Total 4.02 MW
COD 2014



Gifu
Total 1.5 MW
COD 2017



Fukushima
Total 26.7 + 1.5 MW
COD 2018, 2019



Shimane
Total 22 MW
COD 2015, 2017

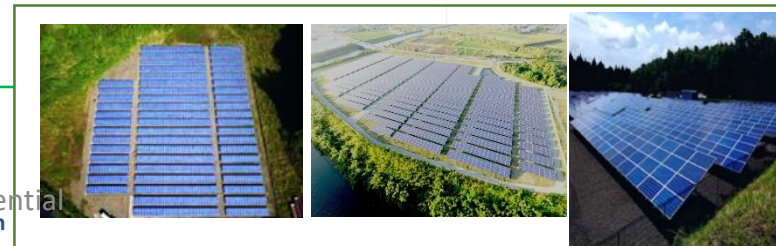


Oita
Total 3.6 MW
COD 2017



Miyazaki & Kumamoto
Total 2.2 + 12 MW
Under construction

Kagoshima
Total 15 MW
COD 2014 ~ 2018
Under construction



Strictly Confidential

Our Business -Renewable Energy

Utility-scale projects in Australia

South Australia



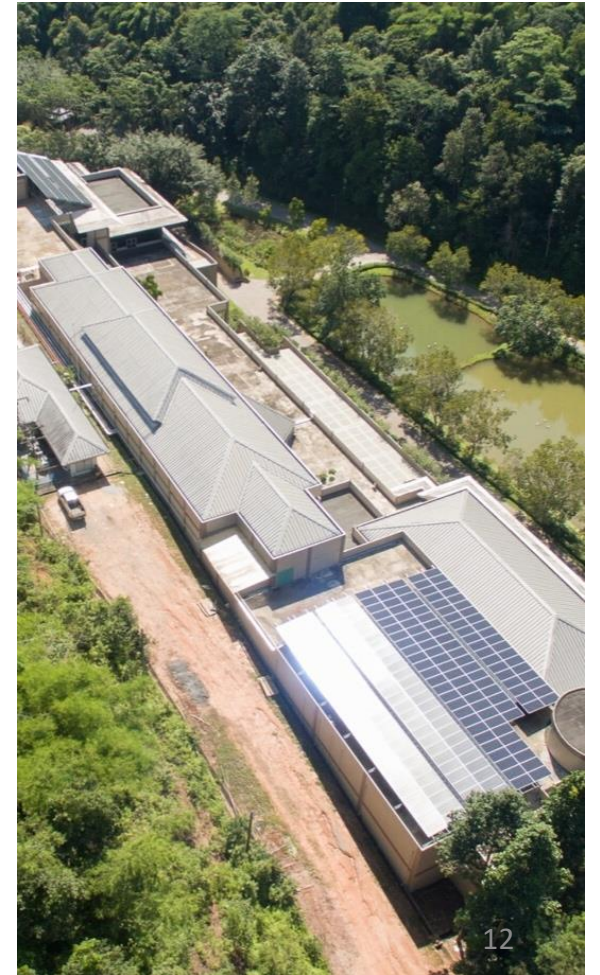
Victoria



Our Business - Renewable Energy

Commercial & Industrial Solar Rooftop Projects

Chow Energy has extensive experience in installation of commercial and industrial scale solar rooftop systems. The size ranges from as small as 3kW up to up to 2mW with the sizing dependent on a detailed analysis of what best suits the available rooftop area and surrounding environment. All systems are equipped with top tier modules and inverters for long term stability and performance.

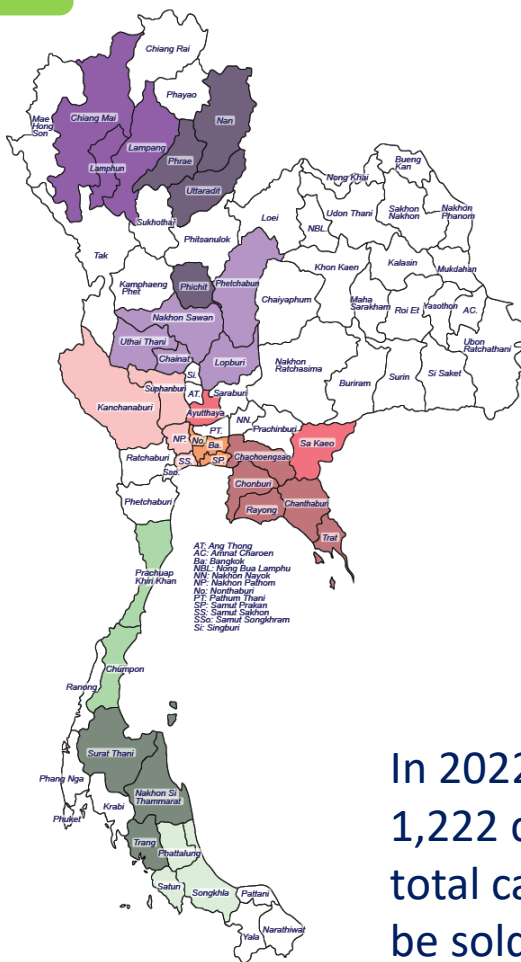


Our Business -Renewable Energy

Residential Solar Rooftop Projects

Chow Energy has provided full turnkey for installation of solar rooftop system on household scale with state of art design and construction.

Since 2015, Chow Energy has participate in promotion of renewable energy introduced by the government. The installed systems, located across Thailand total 965 household with total capacity of 6.62MW, export electricity to the national Utilities of Thailand for a fixed tariffs.



In 2022, CHOW additional install solar power system to 1,222 convenience stores across Thailand with total capacity of 22 MW. The export electricity will be sold to a customer under Private PPA arrangement and will start to COD from Q3 & Q4 2022.

Our Business – Crypto Mining

In May 2022, After carefully study cost components, price fluctuation, security control and regulations, Chow has invested in Cryptocurrency mining with total investment not more than THB 150 million, which is less than 5% of total assets.

Cryptocurrency has become a global phenomenon in recent years. Although price is volatile, cost is quite predictable. Our strategy is to participate is new and decentralized technology with small investment to limit risk, while allow company to enjoy upside of cryptocurrency price.



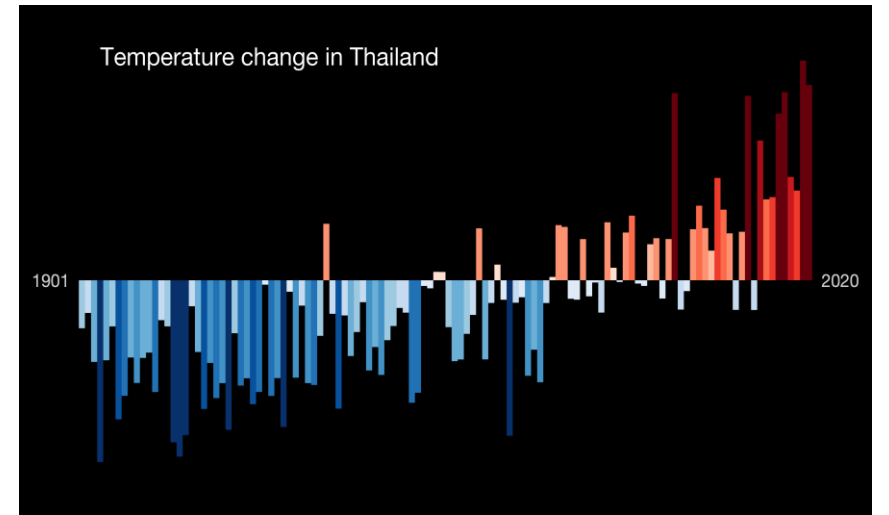
CHOW – Social Responsibility

Fighting Climate Change in Thailand



According to the Global Climate Risk Index 2020, Thailand ranks 8th on the list of countries most affected by climate change crisis. This crisis can be seen from droughts and floods that often happen in Thailand over the past two decades resulting economic losses and poor life quality of Thai people.

CHOW concerns itself deeply about this crisis and does take part in helping to put in supporting measures through our renewable energy business. To reduce CO₂ emission, CHOW has operated 6.64 Mw residential solar rooftop in Thailand since 2015 and expanding circa 45Mw of solar rooftop for commercial buildings through Private PPA scheme in this year. We plan to COD more than 134 Mw within 2023.



CHOW – Social Responsibility

Increase Energy Security and Reduce Fossil Fuel Consumption



CO₂ Emission Reduction

Solar rooftop projects under construction and COD of Chow Energy over 45 Mw in 2022 can reduce CO₂ emissions of approximately 33,000 tons per year or equivalent to planting over a million trees.

Reducing CO₂ emissions to slow climate change could prevent health problems due to air pollution and lead to a better quality of life of Thai people.

Job Creation

Our solar rooftop projects located across the country create employment opportunities for Thai people more than 200 jobs.

CHOW aims to be a part in building sustainable economic growth and enhancing the quality of life of Thai people.



Strictly
Confidential



Increase Energy Security and Reduce Fossil Fuel Consumption

With the ability to produce clean energy domestically, the projects can contribute to decrease Thailand's dependency on imported energy resources. Since we generally import conventional energy sources, this is also considered as a reduction of utilization of fossil fuel.

CHOW – Social Responsibility

CHOW - COMMUNITY SUPPORTS



Community development

To develop our community, Chow Energy collaborates with community leaders to create careers within the community by developing products from local resources and educating people in community.

We sincerely aim to support the community to be a self-reliant community for a better quality of life and sustainable growth .



CHOW's Award

Chow Steel Industries Plc.



Re-certification by Thailand's
Private Sector Collective Action
Against Corruption (CAC)

Chow Energy Plc.



CHOW's Award



Received a very good rating of 4 stars CG Scoring by IOD



NACC Integrity Awards



CHOW has been awards by “Thai Investor Association” for 100% scoring result from 2022 AGM Quality Assessment

AGENDA

Company Overview

04

1H22 Results

21

Forward Looking

25

Q & A

31



Financial Position As at June 30, 2022

Current ratio

0.86

1.01

0.95

Net IBD/ Equity

3.81

0.67

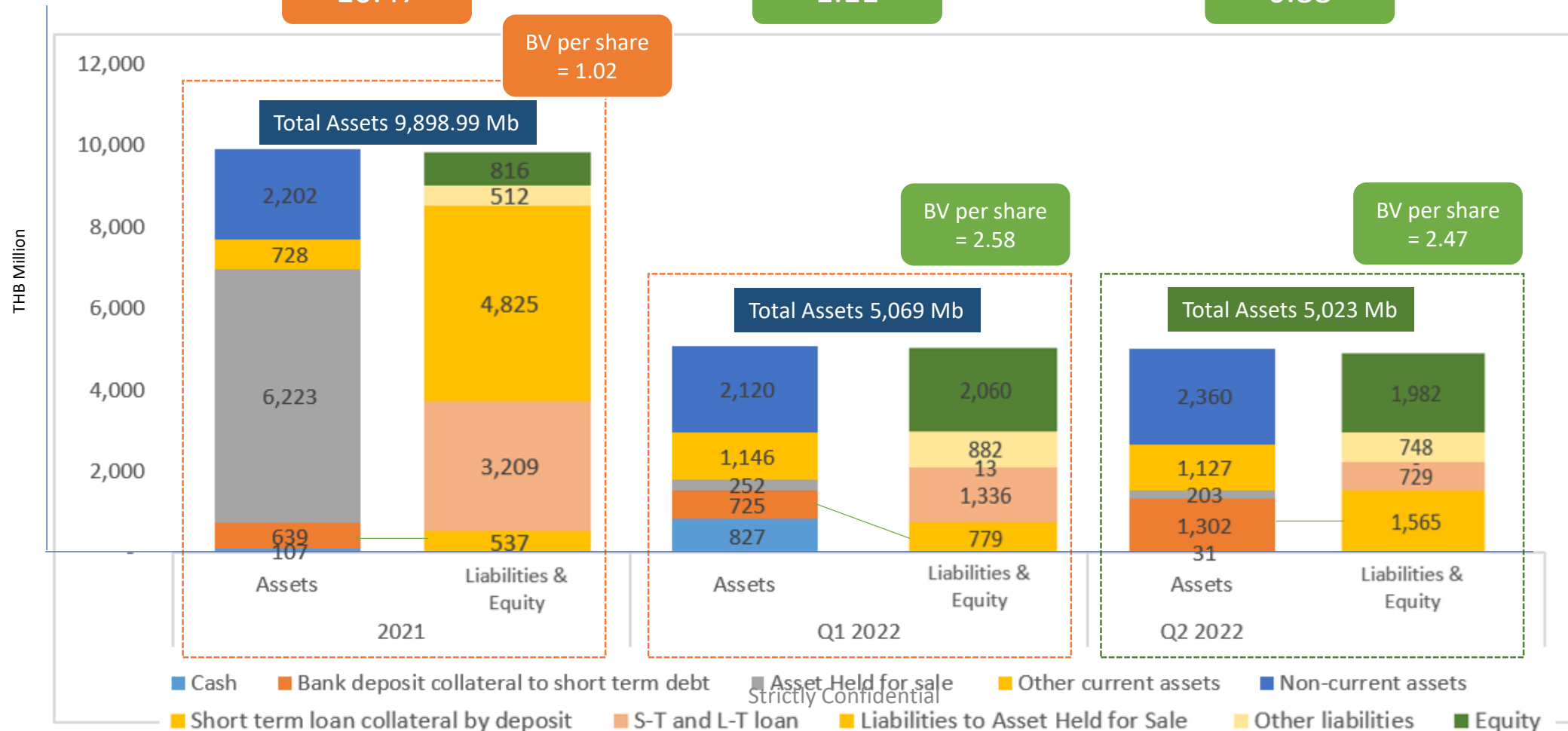
0.50

Net Debt / Equity

10.47

1.11

0.88



1H 2022 Revenue Breakdown & Net Operating Result

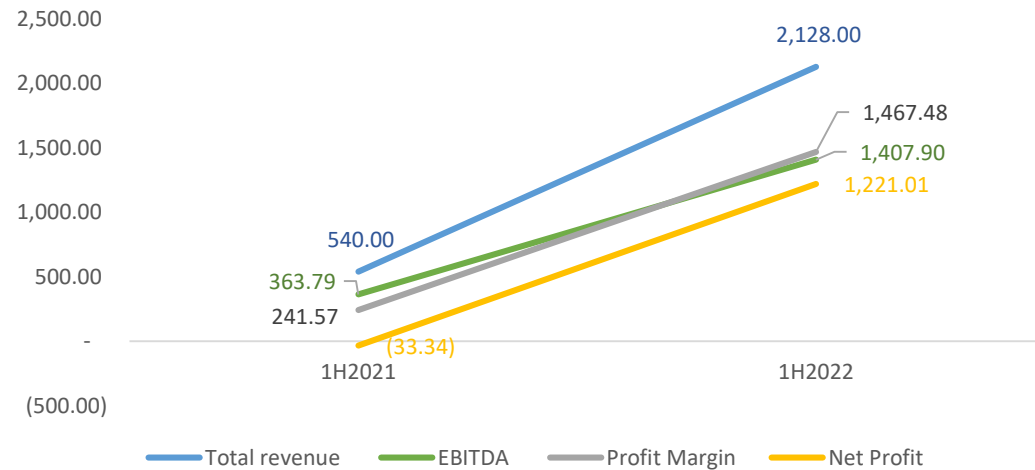
2,128 mBaht
Total Revenue

68.95%
Gross Profit Margin

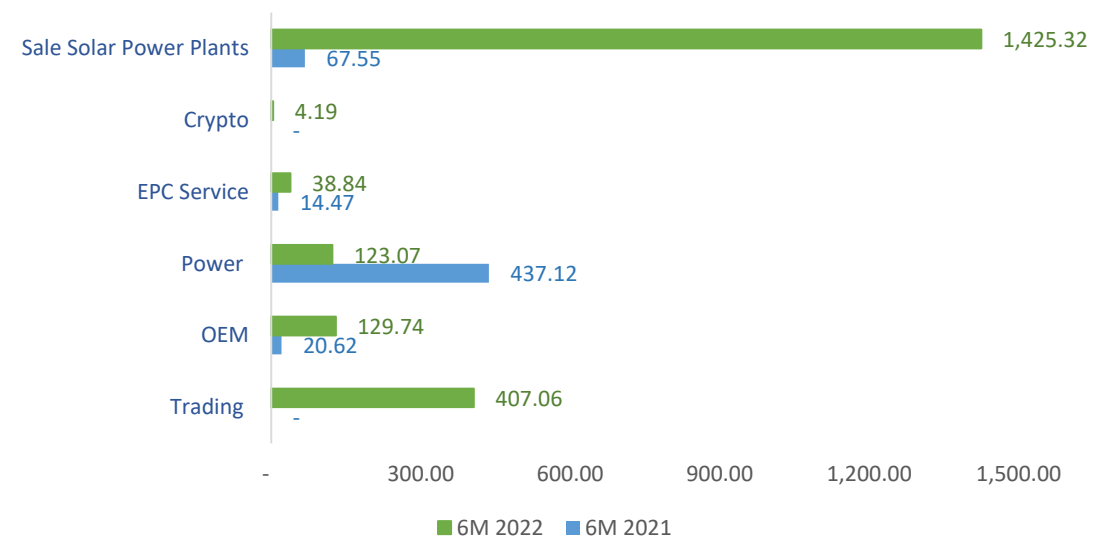
66.16%
EBITDA Margin

57.38%
Net Profit Margin

Key Operating Result - YoY (Mb)



Revenue Breakdown by Business Unit (million Baht)



1H2021

1H2022

Earnings per share (THB/ hare)

(0.05)

1.33

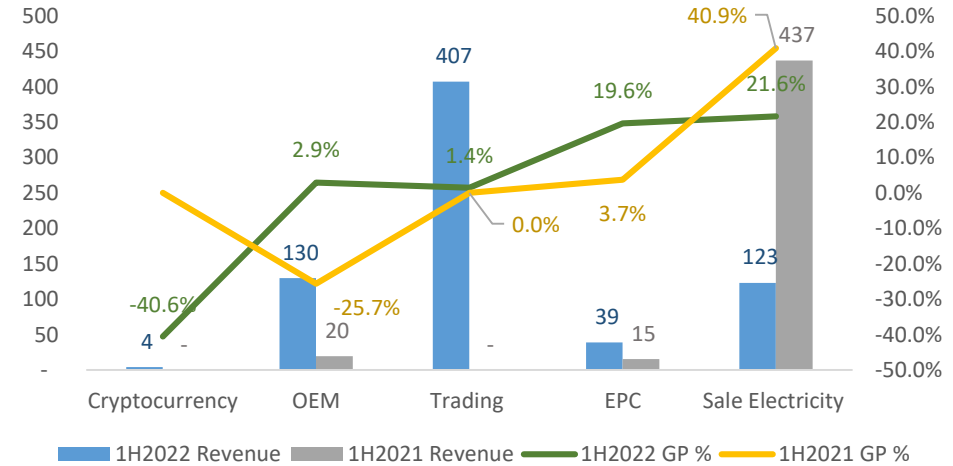
1H 2022 Revenue Breakdown & Gross Profit by Business Unit

Gross Profit (THB Millions)

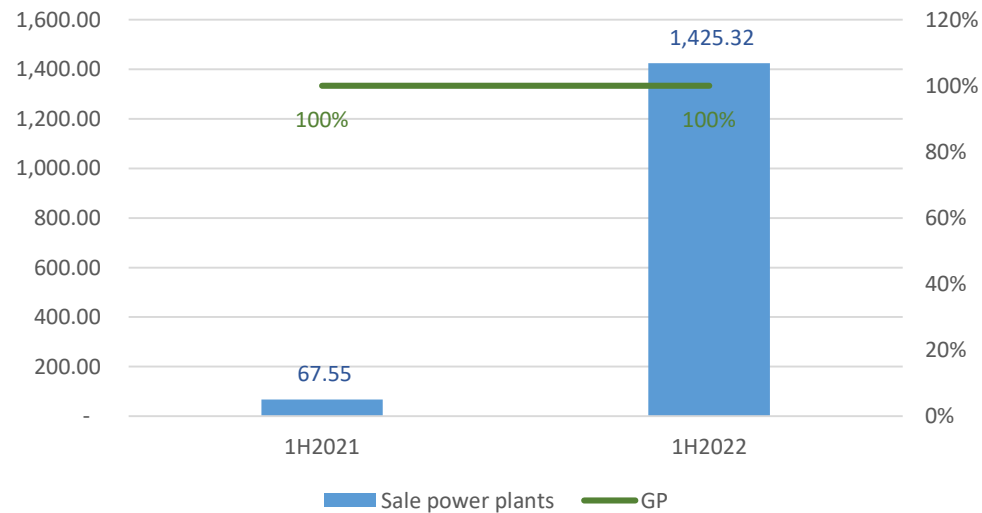


▲ 287% YoY

Revenue and GP Breakdown by BU (Mb)



Revenue and GP from sale power plants (Mb)



AGENDA

Company Overview

04

1H22 Results

21

Forward Looking

25

Q & A

31



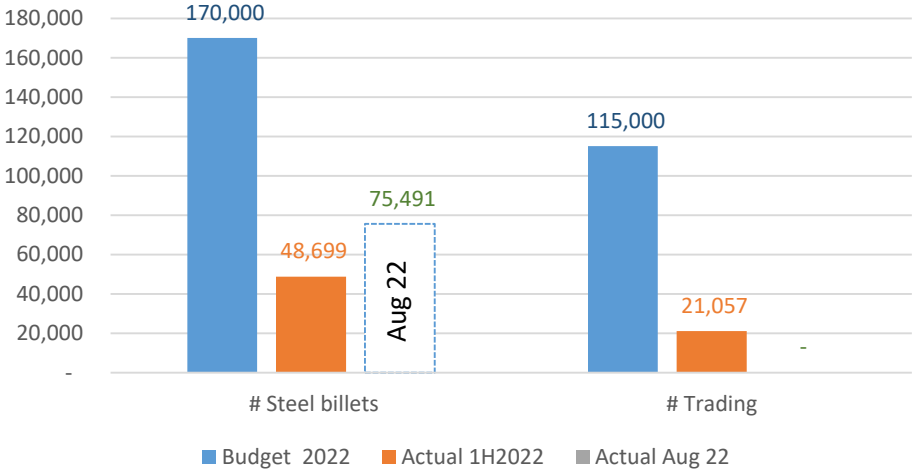
CHOW – Forward Looking

Steel Business



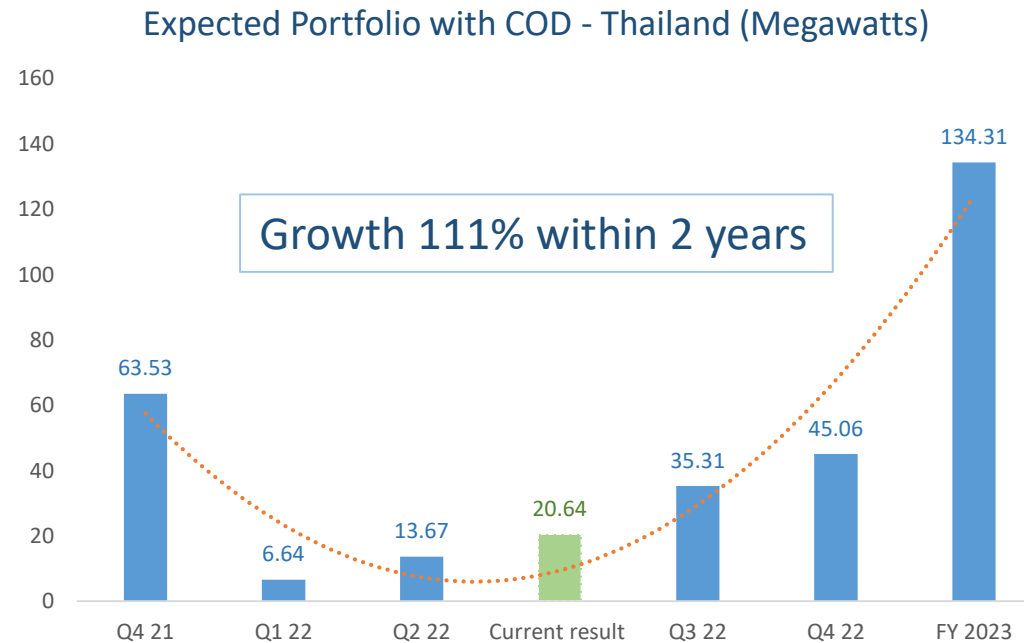
<u>Production volumes (Tons)</u>	<u>2022</u>	<u>2023</u>
# Production volume - steel billets (Tons)	170,000	400,000
# Trading (Tons)	115,000	280,000

Compare Budget vs Actual (Unit: Tons)



CHOW – Forward Looking

Renewable Energy



CHOW – Forward Looking

Renewable Energy



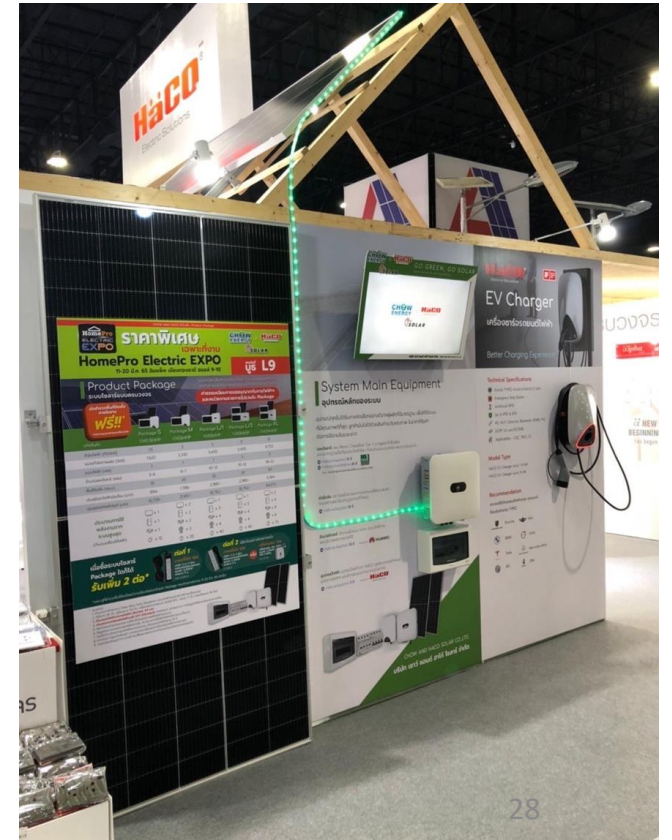
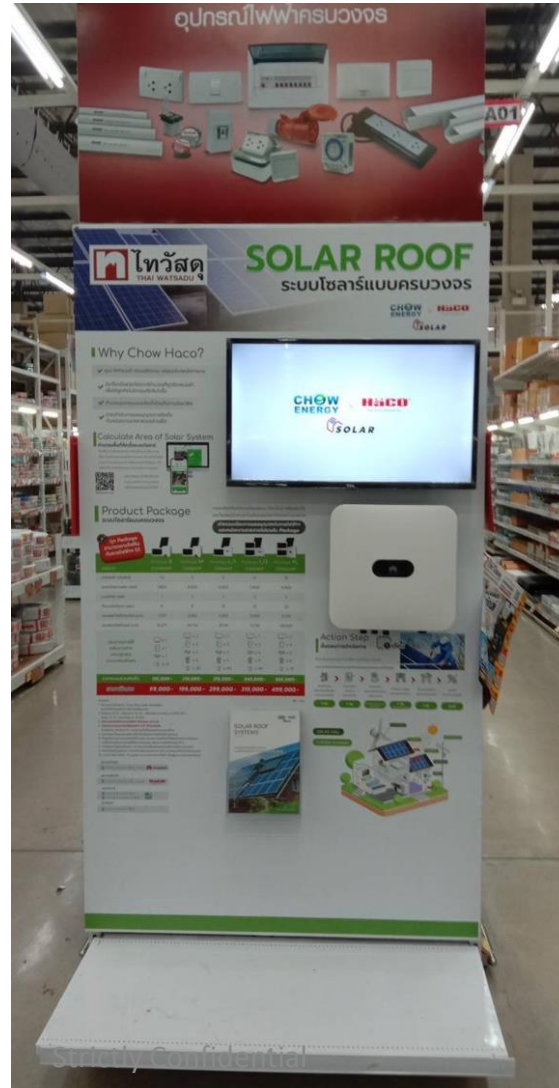
- Chaiyapruek Branch
- Sri-Nakarin Branch



CHOW – Forward Looking



- South Pattaya
- Khon Kaen
- Korat
- Rangsit
- Bangna



CHOW – Forward Looking

Renewable Energy



Bangna Branch



AGENDA

Company Overview

04

1H22 Results

21

Forward Looking

25

Q & A

31



Q&A



Chow Steel Industries Public Company Limited
www.chowsteel.com

Tel: +66 2 033 0901 - 08

Chow Energy Public Company Limited
www.chowenergy.co.th

Tel: +66 2 033 0910 - 14

Strictly Confidential