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Key Takeaways

1

NCE

ABSOLUTE CLEAN ENERGY

PUBLIC COMPANY LIMITED

5

ACE's Key Strengths and Opportunities

2



Thailand's Leading Integrated Power Producer with Highest Growth Potential

- Largest and fast-growing Biomass Power Producer supported by PPA with PEA in Thailand
- No. 1 Renewable Power Producer in Thailand in terms of Equity MW Growth

World Megatrend

- "Electrification" Era
- Global & Thailand Commitment to Zero Carbon which implies the rise of renewable energy
- Biomass is one of the most reliable renewable energy that can replace the base load provided by conventional energy.
- ESG Business

Continuous Growth from Projects in the Pipeline and Future

- Power Plant's PPA with exceptional tariff rate
- Better technology which leads to higher efficiency and less feedstock / kWh
- Economy of Scale resulting in lower CAPEX, OPEX, and SG&A
- 28% share in the latest biomass power plant bidding

4

3

Efficient Operational Capabilities with Continuous Improvement

- Lower Feedstock and O&M cost which leads to higher margin
- Stronger creditworthiness which leads to lower financing cost
- Peer-to-Peer Electricity Trading which leads to additional electricity sales

Low Downside Risk

- Secured Demand & Cashflow (Long term Power Purchase Agreement with the Government)
- Proven Operational Excellence & Feedstock Management
- Our business model commits to the greater good and has a positive Total Societal Impact (TSI)



ACE's Sustainability Journey

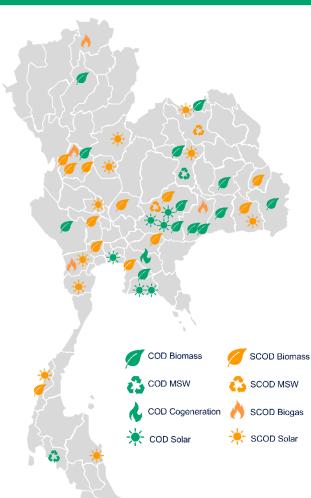




Sustainability is our journey, not just a destination

ACE is a leading renewable power producer







COD 23 projects and pipeline 66 projects



Biomass 27 projects (COD 13 projects, pipeline 12 projects)



Solar 40 projects (COD 6 projects, pipeline 34 projects)



Co-gen 1 project (COD projects)



MSW 4 projects (COD 2 projects, pipeline 2 projects)



We originated from sustainability



ACE founder's vision

business opportunities inspired by responsibility and sustainability



What we believe?

Sustainability and Serving the Greater Good



How we do it?

Responsibility, Accountability, and Consistency

Our 3 core pillars to drive sustainability commitments



Environment and Climate



- Eco-friendly business that helps solve climate change
- Utilize sustainable and renewable resources

People and Social



- Positive social impact
 - Job creation, income generation, and family institution promotion
 - Spreading wealth

• Create energy security at local, national, and global levels

- 1. Empower local and national energy self-reliance
- 2. Enhance grid stability
- 3. Reduce risk tied to dependence on large power plants (e.g. IPP)
- 4. Maximize efficiency (Reduce loss in transmission)

Economic and Profit



- Strong corporate governance and code of conduct
- Firm and sustainable growth

Deliver benefits to stakeholders

Farmers, suppliers, communities, lenders, shareholders, and the world



How we act sustainably and nurture sustainability "Environment and Climate"

Climate Risks and Impacts



Risks



- Increase extreme weather
 - Flood
 - Drought
 - Storm
- Increased global temperature
- PM 2.5

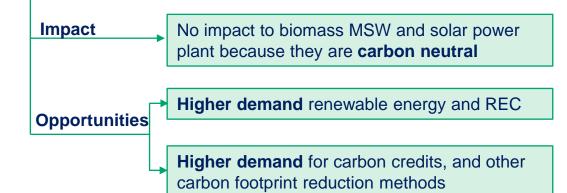
Impacts

- Feedstock shortage and price fluctuation (-)
 - Mitigation plan will be explained later in Economic section

Climate regulation (+)

2

- Carbon tax
- Carbon footprint and carbon credit
- Enforcement of stringent PM 2.5 legal measures



Net-zero Strategy and Targets

Short-term



Expand renewable power plants to help reduce GHG emission



Utilize resources efficiently in power plant operations

- Complete combustion
- · Efficient thermal energy utilization
- Zero discharge
- Water recycling

Long-term



Implement GHG removal projects

- Afforestation
- Carbon capture & storage



Reach Net-zero by 2040, 10 years earlier than target

Net-Zero by 2050



Renewable energy portfolio expansion

- Biomass → 12 projects (Total capacity 142.0 MW)
- Biogas \rightarrow 18 projects (Total capacity 59 MW)
- Solar → 34 projects (Total capacity >124.82 MW)
- MSW → 2 projects (Total capacity 18.9 MW)

2 R&D to help improve combustion efficiency







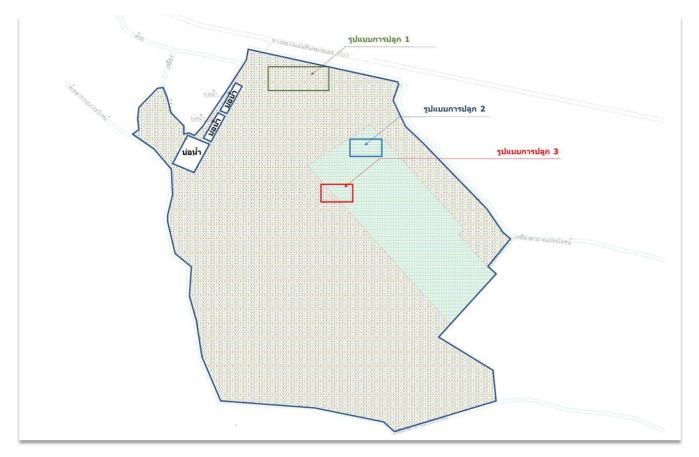
3 Zero discharge and water recycling





4 GHG Removal (Afforestation)

• Ban Tam, Phayao (201.6 Rais)





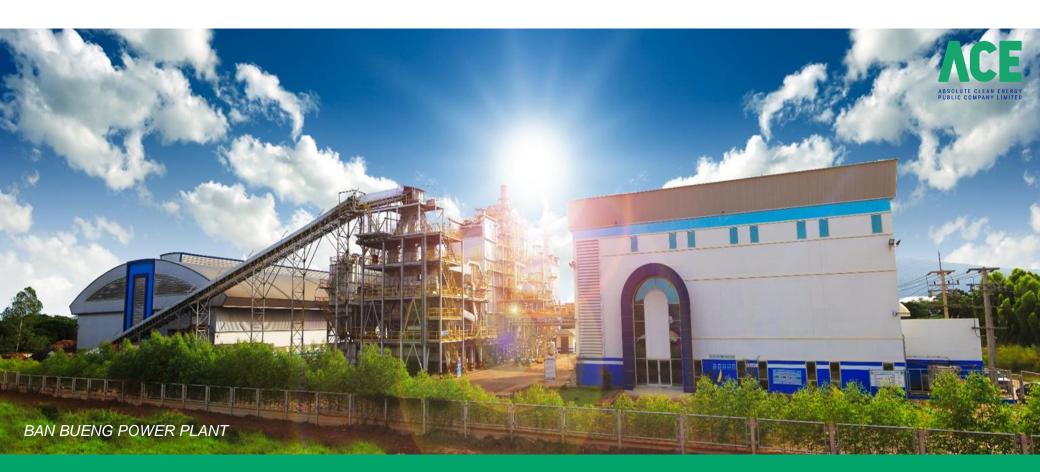












How we act sustainably and nurture sustainability "Economic and Profit"

Business Challenge and Strategy



Challenge: Feedstocks availability and price fluctuation





Biomass

Biogas

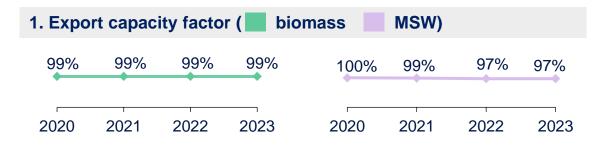
Business Targets and Results (Short-term)



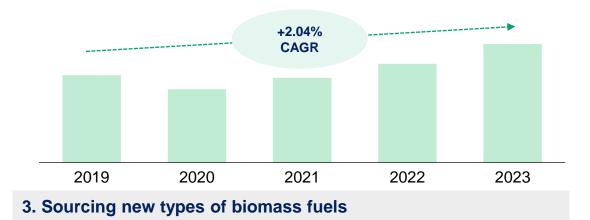
Short-term targets

- Feedstocks (biomass, MSW) are sufficient for full capacity operation
- Manage feedstocks cost increase to be less than 3.0% per year through operation efficiency

Results



2. Feedstocks prices (THB/kWh)



Business Targets and Results (Long-term)



Long-term target: R&D to ensure long-term feedstocks security

R&D Fuel Crops and Fuel Trees



Business Targets and Results (Long-term)



Fuel Crops





Business Targets and Results (Long-term)



Fuel Trees











How we act sustainably and nurture sustainability "People and Social"

Strategy and Targets



Conducting business alongside improving the livelihoods and well being of

farmers and local communities



Increase farmer income through the purchase of agricultural residue



Generate stable income for farmers through fuel crops and fuel trees long-term purchase agreement

Our Successful Projects





"ลดเผา รายได้เพิ่ม"







2

"ส่งเสริมการปลูกไม้ยูคาลิปตัส สร้างงาน สร้างรายได้ แก่ชุมชน"



Cumulative outcomes throughout our sustainability journey



Environment and Climate





People and Social





Economic and Profit





Environment and Climate Outcomes





- Help reduce CO₂ emission (2012 2023)
 More than 3.3 millions tons CO₂
- Prevent agricultural burning (PM2.5) (2012 2023)
 More than 14.3 millions rais
- Prevent leachate from landfill (2016 2023)
 - More than 172 million liters

People and Social Outcomes





Farmers income generated (2012 - 2023)
 Income to farmers from feedstock purchase
 >10,000 million THB

Employment generated (as of 2023)

- More than **800 employments** across 30 provinces (> 80% of local people employed)

Economic and Profit Outcomes





Recognition & index





Awarded with 'AA' rating from SET ESG Ratings 2023 by the Stock Exchange of Thailand.

"Excellent" level (5 stars) from Thai Institute of Directors Association (Thai IOD)

Received the results of the corporate governance survey of listed companies for the year 2023 at



Listed in FTSE SET Micro Cap index and shariah index



TRIS Ratings Affirmed the Company Rating at "BBB+" with "Stable" Outlook

Achieves a perfect 100 score in the Annual General Meeting Assessment by Thai Investors Association

The Company has signed the Declaration of Intent to support the coalition with CAC (Collective Action Against Corruption) in reducing corruption.



DDD

Our CSR (Education)





Our CSR (Community support during the COVID Crisis)

























Power Plant Visits (1/9)





General Anupong Paojinda (Minister of Interior)

Power Plant Visits (2/9)





Dr. Siri Jirapongphan (Minister of Energy)

Power Plant Visits (3/9)



Energy Regulatory Commission (ERC)





Mr. Kraisri Kannasoot

Mr. Kurujit Nakornthap

Power Plant Visits (4/9)



International Recognition



H.E.Mrs.Kshenuka Dhireni Senewiratne (The Ambassador of Sri Lanka) Mohammad Tajul Islam (Minister of Local Government and Rural Development) Vice Presidential Delegation of Indonesia

Power Plant Visits (5/9)



Government Agencies and Departments









Power Plant Visits (6/9)



Local Administrative Organizations









Power Plant Visits (7/9)





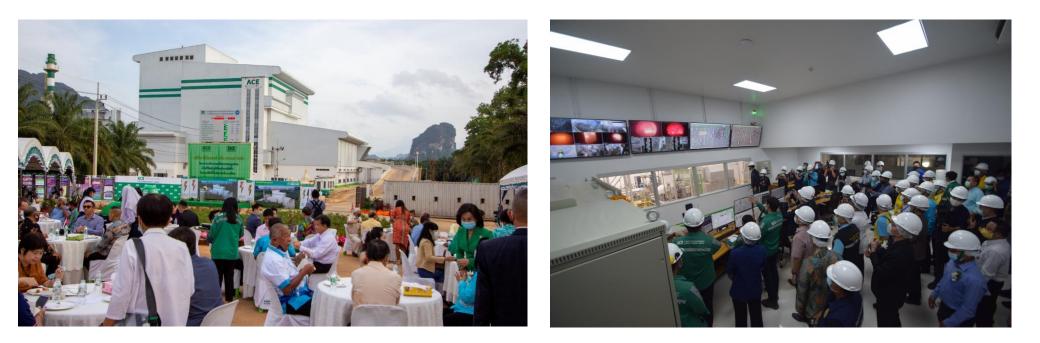
Power Plant Visits (8/9)





Power Plant Visits (9/9)





Awards & Recognitions (1/13)

Certified date: June 28, 2022





Certified date: June 28, 2022

Certified date: June 28, 2022

Awards & Recognitions (2/13)





Certified date: August 15, 2022

Certified date: August 15, 2022

Awards & Recognitions (3/13)

Certified date: August 15, 2022





Certified date: August 15, 2022

Awards & Recognitions (4/13)





Certified date: August 15, 2022

Certified date: August 15, 2022

Awards & Recognitions (5/13)





Certified date: August 15, 2022

Certified date: August 15, 2022

Awards & Recognitions (6/13)





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Awards & Recognitions (7/13)

Certified date: August 15, 2022





Certified date: August 15, 2022

Awards & Recognitions (8/13)





Certified date: August 15, 2022

Certified date: August 15, 2022

TISTR

Buri Ram 31150 THAILAND

August 15, 2022

August 15, 2022

August 14, 2025

Awards & Recognitions (9/13)

Certified date: August 15, 2022





Certified date: August 15, 2022

Awards & Recognitions (10/13)





Certified date: April 13, 2018

Certified date: April 13, 2018

Certified date: April 4, 2018

Awards & Recognitions (11/13)



Awards & Recognitions (12/13)





Awards & Recognitions (13/13)





Received Date : September 1, 2017



Received Date : 2018



Received Date: August 20, 2017



Received Date: August 20, 2017



Received Date: August 17, 2018



Received Date: August 17, 2018



Received Date: August 17, 2018