

# Introduction of Steam supply service using biomass boiler



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• • • • • **AMITA CIRCULAR DESIGN SDN BHD**  
• • • • • **Yuji Kanemoto**

# Who we are



## AMITA HOLDINGS CO., LTD.

Head office: Nakagyo-ku, Kyoto, Japan  
Headed by: KUMANO Eisuke, Chairman and CVO  
SUETSUGU Takahide, President and CIOO

Established: April 1, 1977

Wholly-owned subsidiary



### Transition strategy business

Assist businesses in achieving greater corporate sustainability  
Assist municipalities in achieving greater community sustainability  
Develop the Social Systems Design Business outside Japan



Stock code: 2195 on TSE Growth Market

Capital: 483,560,300 JPY  
Number of employees: 261 (consolidated, as of December 31, 2024)  
(Corporate officers and temporary employees not included)

Wholly-owned subsidiary



AMITA CIRCULAR CORPORATION

### Circular materials business

Provide end-to-end solutions for sustainable procurement and use of resource

## AMITA GROUP

Information current as of December 31, 2024



Wholly-owned subsidiary  
(Company name effective April 1, 2024)



### Regional headquarters

Assist in achieving greater corporate and community sustainability in the Asia-Pacific region

Joint venture

AMITA NAZA SDN. BHD. (Malaysia)  
PT Amita Tamaris Lestari (Indonesia)  
PT Amita Prakarsa Hijau (Indonesia)

Joint venture



### Low-carbon transition advisory

Assist businesses in defining and refining their low-carbon transition strategy

(Established by AMITA HOLDINGS and MCP Japan Holdings)

Joint venture to be established April 1, 2024



### Circular management business

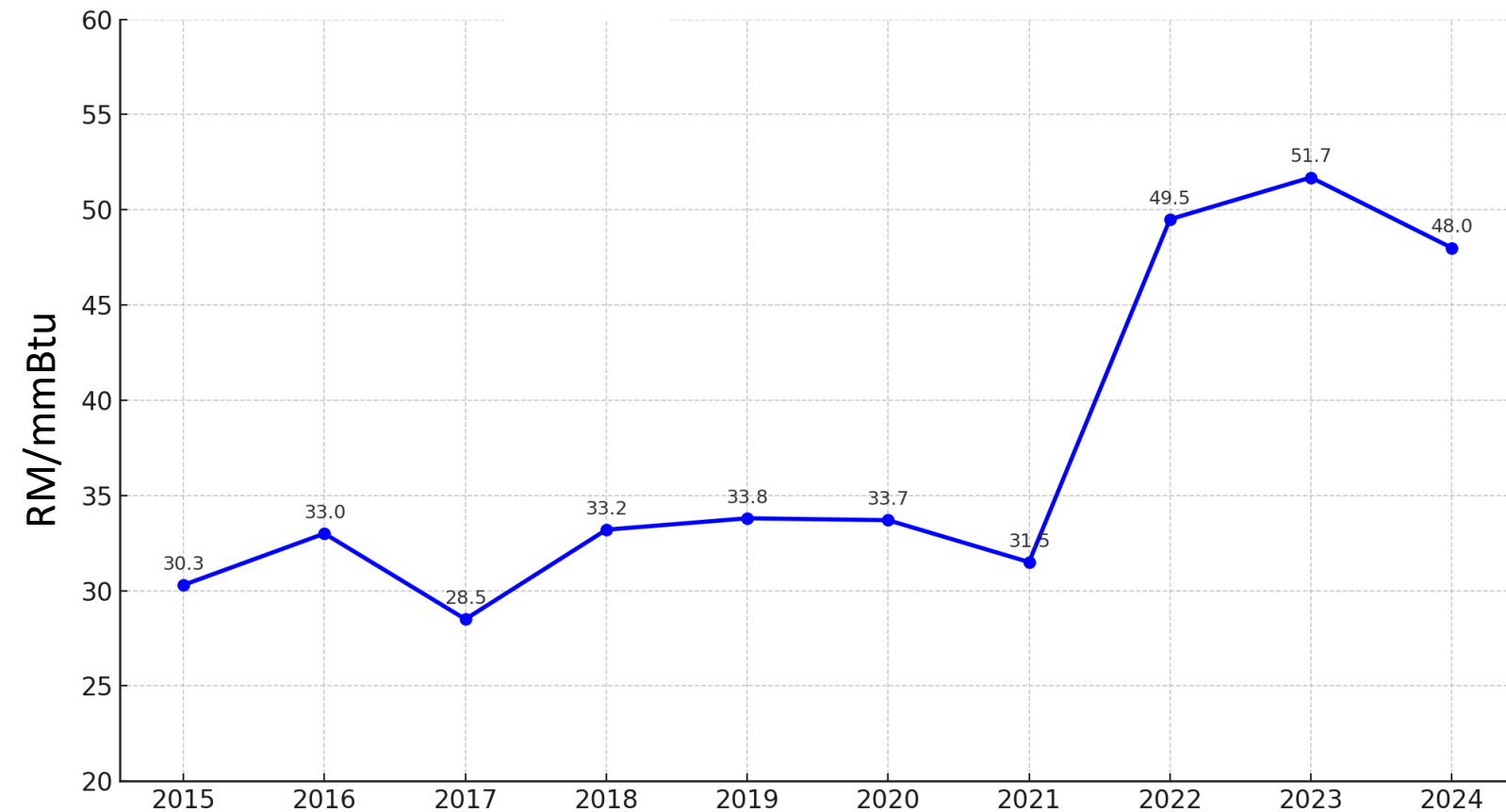
Offer ICT and BPO solutions to assist businesses in achieving circular operations

(Established by AMITA HOLDINGS and the Sumitomo Mitsui Finance and Leasing Group)



# Social background

Natural gas price in Malaysia from 2014 to 2024



## Pressing needs of de-carbonization

- Natural gas price in Malaysia has increased more than 50% for past 10 years
- Carbon tax will be implemented in Malaysia near future



## Huge amount of EFB is abandoned

- 20 million tons per year of EFB(Empty Fruit Bunch) is generated from palm oil mill in Malaysia
- More than 50% of EFB is abandoned



# Challenge to install biomass boiler



## Biomass fuel procurement

- Biomass fuel availability is often subject to local supply fluctuations
- Quality of biomass (e.g., moisture content, calorific value) can vary significantly, affecting combustion efficiency



## Operation of biomass boiler

- Biomass boilers require frequent maintenance and cleaning due to ash buildup in combustion chamber.
- Combustion control is more complex than gas-fired boilers, requiring skilled operation and automation.

# One stop solution for steam supplying service

We manage from fuel sourcing to steam delivery and waste recycling



## ① Stable fuel supply

## ② Stable steam supply

## ③ Proper ash treatment

Guaranteed fuel supply from dedicated EFB briquette plant operated by Amita & Cenergi

Reliable steam delivery from an AMITA - operated biomass boiler installed on user site

Zero-landfill waste handling, turning ash into fertilizers

