

Combating Climate Change



Global warming is intensifying, impacting both the environment and business operations, particularly through climate change. This not only affects human life quality but also hinders business sustainability. Operating under these conditions requires businesses to adapt their strategies and develop efficient resource management practices. The Paris Agreement has set a target to limit the rise of global temperature to 1.5°C. As a member of the United Nations, Thailand has also announced its Nationally Determined Contributions (NDCs) and aims to be carbon neutral by 2050, as well as achieves net-zero emission by 2065.

JAS is committed to being part of the solution to climate change by developing and improving sustainable resource management, reducing greenhouse gas emissions, and collaborating with governmental organizations and stakeholders across all sectors. On top of that, we aim to promote behavioral changes among employees through environmental projects that raise awareness and foster understanding of environmentally friendly work and lifestyle practices, contributing to the sustainability of the organization and the world.

Operational Guidelines

- Set goals to reduce both direct and indirect greenhouse gas emissions (Scope 1 and 2)
- Establish a Carbon Footprint Working Group, aiming to conserve the environment and reduce global warming
- Develop a climate change risk management system

- Improve initiatives to manage resources and energy to ensure efficiency and reduce greenhouse gas emissions
- Strengthen relationships with stakeholders and encourage employees to drive efforts for greenhouse gas emission reduction
- Publicly disclose performance results in a transparent manner

Striding Forward to Carbon Neutrality

Recognizing the impact of climate change, JAS has implemented measures to consistently develop and improve environmental management systems, maximizing efficiency in reducing both direct and indirect greenhouse gas emissions (Scope 1, 2, and 3). Moreover, we aim to achieve carbon neutrality by 2030 and net-zero greenhouse gas emissions by 2050 in alignment with the United Nations' Sustainable Development Goals (SDGs), particularly Goal 13: Climate Action. This enhances our capabilities to adapt and minimize the effects of climate change, reinforcing JAS's commitment to building a sustainable future across all sectors.

In 2024, JAS received environmental certifications including



Environmental Standards Support and Compliance

JAS supports carbon credit trading to offset its greenhouse gas emissions and has joined as a member of the Thailand Carbon Neutral Network (TCNN) as part of our efforts to achieve the carbon emission reduction goal.

We continue to develop our greenhouse gas emissions reduction system while closely monitoring environmental situations.

Climate Change–Related Risk Management

JAS recognizes the environmental risks that may affect business operations. In particular, climate change-related risks can lead to changes in resources, infrastructure, operational costs, and business opportunities. To ensure efficient operations and adaptability to various changes, we have appointed a Risk Management for Sustainable Development Committee as a main body for overseeing and monitoring environmental, social, and governance (ESG) risk management approaches, including those related to climate change. The Committee plays an important role in developing policies, strategies, and measures in line with our sustainable development goals.

Based on the results of our risk assessment for sustainable development, climate change-related risks can be categorized into 2 types:



Physical Risks

Arising from climate change and environmental shifts that may directly affect business operations, such as

- Description
- Extreme weather events including heat waves, heavy rainfall, hail, and tropical storms, which can damage infrastructure, disrupt operations, and affect the supply chain
 - Changes in natural resources including severe droughts that alter water quality and quantity, both of which are crucial for conducting business



Transition Risks

Arising from changes in policies, regulations, and technologies that support transition to a low-carbon economy, such as

- Description
- Policy and regulatory changes including international environmental agreements such as the United Nations Framework Convention on Climate Change (UNFCCC) and agreements reached at COP26 which may require businesses to adapt and lower their greenhouse gas emissions



Transition Risks

Arising from changes in policies, regulations, and technologies that support transition to a low-carbon economy, such as

- Description**
- Low-carbon technological development, which affects business operations, costs, and competitiveness

JAS has developed management approaches to handle these risks, with an emphasis on reducing greenhouse gas emissions, adapting to climate change, and closely monitoring environmental trends and relevant laws.

Greenhouse Gas Management

As part of our efforts to reduce greenhouse gas emissions, JAS has appointed a Carbon Footprint Management Working Group to oversee greenhouse gas emissions data collection at both the organizational and product level. They collaborate with various departments to gather and verify information while ensuring that the carbon footprint verification process and results align with established plans. The 2024 results are as follows:

Performance*	Unit	2024	2030 Target
Carbon Intensity (Scope 1 and 2)	TonCO ₂ eq./MB	0.1263	Achieving Carbon Neutrality
Carbon Intensity (Scope 1, 2, and 3)	TonCO ₂ eq./MB	0.4239	

*The Company's greenhouse gas emissions have been verified by the Greenhouse Gas Management and Certification Unit University of Phayao, and are currently in the process of being registered with the Thailand Greenhouse Gas Management Organization (TGO) (Scope 1, 2, and 3), which is expected to be completed by May 2025.

Performance*			
Greenhouse Gas Emissions (TonCO ₂ eq.)	Scope 1	Scope 2	Scope 3
	53	356	964
Scope 1 and 2**	409		
Scope 1, 2, and 3***	1,373		

Remarks:

*Base year: January 1 – December 31, 2024

**The figures cover total greenhouse gas emissions of Jasmine International Public Company Limited and JAS TV Company Limited

***The Company's greenhouse gas emissions have been verified by the Greenhouse Gas Management and Certification Unit, University of Phayao, and are currently in the process of being registered with the Thailand Greenhouse Gas Management Organization (TGO) (Scope 1, 2, and 3), which is expected to be completed by May 2025.

In 2024, we initiated projects to reduce greenhouse gas emissions, including the “Care the Bear” project and tree seedlings giveaway. Tree planting not only helps increase biodiversity and restores the environment, but also absorbs carbon dioxide from the atmosphere through photosynthesis, thereby helping to minimize


“Care the Bear” Project

JAS places great importance on driving initiatives to reduce global warming effects and encourages behavioral changes to minimize greenhouse gas emissions from human activities. These include events requiring electric energy, participants’ commuting, energy used in culinary processes, and post-event waste, all of which can exacerbate the effects of global warming. In 2024, JAS collaborated with the Stock Exchange of Thailand (SET) in implementing the “Care the Bear” project for the second year. By organizing

the effects of climate change. The projects were supported by various internal and external organizations, forming an essential part in driving JAS to become a carbon-neutral organization.



online and onsite activities according to SET’s 6 guidelines for reducing greenhouse gas emissions, we helped reduce 137,121 KgCO₂eq., an equivalent of planting 15,236 10-year-old trees, reinforcing JAS’s commitment to continuously reducing global warming effects.

Greenhouse Gas Emission Reduction	Guidelines*
 <div> <div>137,121</div> <div>KgCO₂eq</div> </div> <div> <div>— Equivalent to planting —</div> <div> <div>15,236</div> <div>10-year-old trees</div> </div> </div>	<ol style="list-style-type: none"> 1. Encourage travel by public transportation or carpooling 2. Reduce paper and plastic use 3. Avoid using foam in packaging and decoration 4. Reduce energy consumption from electric devices, and opt for energy-saving devices 5. Use reusable decoration materials 6. Reduce food waste

* Referring to Care the Bear project by the Stock Exchange of Thailand (SET)

Tree Seedlings Giveaway

To further minimize greenhouse gas emissions and promote awareness of environmental preservation, JAS has organized 2 tree seedlings giveaway activities on World Environment Day and National Forest Conservation Day. Over 2,500 free seedlings including teak, tamarind, black rosewood, silver trumpet, Christmas palm, jackfruit, rosewood, yellow elder, and kalamona, were given to participants.



This campaign aims to help absorb carbon dioxide in the atmosphere, reduce greenhouse gas emissions, and restore biodiversity. Moreover, it increases green spaces in the office building and neighboring areas while encouraging employees and building tenants to conserve the environment.



World Environment Day

(June 5)

Quantity (Trees)

1,000



National Forest Conservation Day

(January 14)

Quantity (Trees)

1,500

Expected Outcomes

- Absorb carbon from the atmosphere
- Reduce greenhouse gas emissions
- Restore biodiversity
- Increase green spaces in the office building and neighboring areas