



**BUREAU
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GLOBAL SUSTAINABILITY MEGA TRENDS AND THAILAND'S RESPONSE

2024

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2024 : THE TREND

SUSTAINABILITY MEGA TRENDS



CLIMATE CHANGE

| Marked by extreme weather events, melting polar ice caps, and rising sea levels due to global warming.

RENEWABLE ENERGY

| Increasing global installations of solar, wind and hydrogen, with notable progress in countries like China, Japan, USA, Germany and EU

CIRCULAR ECONOMY

| Embracing zero-waste initiatives, designing products for reuse, reduce, recycling and industrial symbiosis for resource efficiency. (Metal/Plastic)

DIGITAL TRANSFORMATION

| Adoption of digital technologies such as AI and blockchain for efficiency and transparency across different sectors.

SUSTAINABLE FINANCE

| Growth in green bonds and sustainable investment funds, integrating ESG criteria into financial decision-making.



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COP28 OUTCOMES



COP²⁸
UAE



1. Global Stock take and Fossil Fuel Transition :

Aiming to limit warming to 1.5°C through tripling renewables, doubling energy efficiency by 2030, reducing non-CO2 emissions, particularly methane, and moving towards net-zero emissions by 2050.



2. Adaptation and Climate Finance :

Doubling adaptation finance, setting 2030 goals for environmental and health resilience, and establishing a \$100 billion annual climate finance target, with wealthy nations owing \$500 billion by 2025.



3. Loss & Damage Fund and Renewables Pledge :

Operationalizing a fund for the most vulnerable countries, with a commitment to significantly increase renewable energy and efficiency by 2030.



4. Cooling and Nuclear Energy Initiatives :

Plans to reduce cooling emissions by 68% and triple nuclear energy capacity by 2050.



5. India's Engagement :

Launching eco-friendly initiatives, technology transfer programs, sustainable river development, and localized climate actions.



6. China's Engagement :

China commits to phasing out coal and aiding vulnerable nations, but specifics on renewables and climate goals are pending until 2025.

THAILAND'S POSITION IN GLOBAL SUSTAINABILITY

- | Thailand is **facing significant impacts from climate change** and environmental issues due to urbanization and industrialization.
- | The country has the **potential for renewable energy**, benefits from **rich biodiversity** and a **strategic location**, and is advancing in technological solutions for sustainability.
- | Climate Change Act is coming! **Carbon Tax** is due to impact 2026, **Thailand ETS** is due to be active 2031



GHG CONTRIBUTION <1%

RANKED 9TH FOR WEATHER-RELATED LOSSES AND IMPACTS



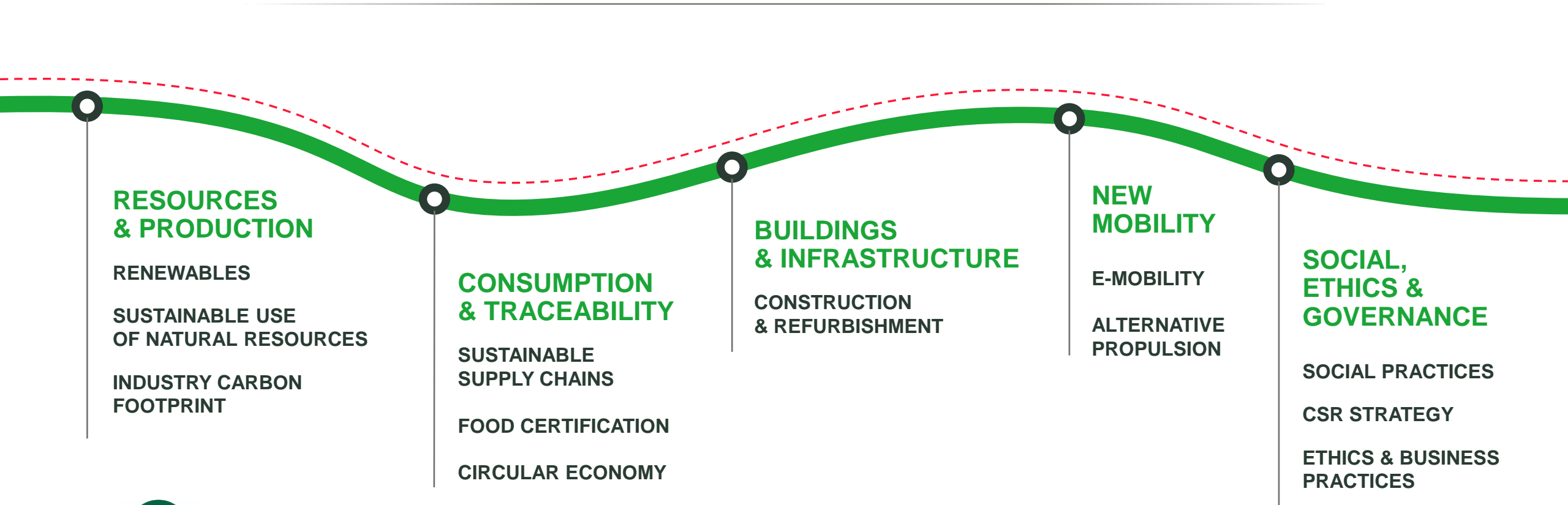
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BUREAU VERITAS **GREEN LINE** OF SERVICES & SOLUTIONS



EXAMPLES OF CLIMATE ACTION



Building capacity on
**Sustainable
Finance**



PTT certifying
1M Rai Forest



Thai Smile Bus
issued world's first
Article 6 ITMOs



Department of Local
Administration
issued nation-wide
Carbon Credits



**APEC 2022
THAILAND**

APEC neutralized
emissions through
**Carbon Neutral
Event**



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Sustainable
Finance

Biodiversity

Stronger Climate
Commitment

Supply Chain

SAF

Hydrogen

2024 TRENDS

THAILAND



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SCIENCE BASED TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION



Measure



Advisory



Resources



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SEA SUSTAINABILITY HUB

2024



**POONPERM
VARDHANABINDU**

Sustainability Product Development
Manager
Bureau Veritas Thailand