



Waste Management Programs

Our Waste Management Programs aligned with the company's overall sustainability objectives. In adherence to our Quality, Environmental, Energy, and Occupational Health & Safety Policy, 3Rs strategy, ISO14001 Standard and Notification of Ministry of Industry Subject: Management of waste or unused materials B.E. 2566, we have intensively focused on minimizing the generation of waste and enhancing our reuse protocols.

Waste audits

Waste audits	Description
EA Waste Audit	<p>EA has continually conducted waste audit on a regular basis at least annually waste management. This includes in-depth analysis of our waste consumption, unveiling various opportunities for improvement. By tracking and evaluating our waste generation, these audits have been instrumental in ISO 14001 Standard and Notification of Ministry of Industry Subject: Management of waste or unused materials B.E. 2566.</p> <p>In 2024, EA has implemented waste audit to following facilities; Energy absolute public company limited (Kabinburi, Lampang and Nakornsawan branch), EA Solar Phisanulok Company Limited, EA Solar Company Limited, EA Wind Hadkanghan 3 company limited and Hanuman Project.</p>
Outcomes	-The waste audit allows EA to improve waste reduction and reduce waste around 9.209 ton per year.



Waste management project implementation in 2024

In 2024, EA group has implemented waste management projects including:

Waste Management Projects	Description
<u>EA Waste Management Phuket</u>	EA has joined in submitting a joint proposal to carry out the municipal waste management of Phuket City Municipality, Phuket Province, for the purpose of producing and distributing electricity from organic waste, in order to take care of the environment and create energy security for the country. With a registered capital of 500,000,000 baht.
<u>Earth-friendly bin</u>	EA has turned food scraps into compost in earth-friendly bins, converting them into organic fertilizers that can be utilized for future plant cultivation. In 2024, this initiative managed to reduce the amount of waste that needed to be direct to landfills by 0.586 tons.
<u>Separate recycle waste</u>	EA has a recycling project, following the principles of the 3Rs (Reduce, Reuse, and Recycle), aimed at reducing the amount of waste sent to landfills. In 2024, this initiative managed to reduce the amount of waste that needed to be direct to landfills by 8.623 tons.
<u>Project on By-product Development (Glycerin) for Conversion into High-Value Chemicals</u>	<p>The Company has initiated a project to develop glycerin, a by-product generated from the biodiesel production process, by converting it into high-value chemicals through targeted research and development efforts. This initiative aims to enhance the economic value of waste materials while promoting resource efficiency and sustainability.</p> <p>The key objectives of the project are as follows:</p> <ul style="list-style-type: none"> - To maximize the value of by-products from the production process



Waste Management Projects	Description
	<ul style="list-style-type: none">- To reduce waste disposal and minimize environmental impact- To promote sustainable resource utilization in alignment with circular economy principles <p>This project aligns with the Company’s commitment to circular economy and supports the United Nations Sustainable Development Goals (SDGs). By converting production waste into valuable chemical products, the Company is taking a proactive step toward reducing environmental footprint, increasing resource efficiency, and creating long-term value across its supply chain.</p>
<u>Research and Development Project on Feedstock for Sustainable Aviation Fuel (SAF) Production</u>	<p>The Company has initiated a research and development project to explore and evaluate potential feedstocks for the production of Sustainable Aviation Fuel (SAF). The objective is to expand the range and ensure the sufficiency of raw materials that can support future production needs in a sustainable manner.</p> <p>This project also aims to enhance the production efficiency of SAF while minimizing waste by utilizing residues and by-products as alternative feedstocks. This aligns with circular economy principles and supports the decarbonization of the aviation sector. An estimated budget of approximately 550,000 THB has been allocated for research and development activities.</p> <p>The initiative is a strategic part of the Company’s clean energy transition plan and contributes to reducing greenhouse gas emissions across the aviation value chain.</p>



Awareness training

EA promotes training programs as well as shares best practices on the importance of waste management to our workforce. Our enhanced training programs in 2024 includes;

Training Programs	Description
<u>Industrial Waste Management System Staff</u>	<ul style="list-style-type: none"> -Training objectives: To ensure the correct segregation and storage of hazardous and non-hazardous industrial waste based on scientific standards, preventing nuisance, harm, or environmental contamination in accordance with legal regulations -Number of participants: 2 people -Participant target group: Responsible Person -Quantitative results: The test results passed 100%
<u>ISO 9001:2015 & ISO 14001:2015 Requirement and internal audit</u>	<ul style="list-style-type: none"> -Training objectives: To ensure that employees have the knowledge and understanding of environmental management system requirements, and to apply this knowledge in organizational operations to reduce environmental problems and pollution, there is a systematic internal management in place that adheres to international standards. -Number of participants: 299 people -Participant target group: Employees at all levels -Quantitative results: The test results passed 100%
<u>Introduction to ISO/IEC 17029 : 2019, ISO 14065 : 2020 and Internal Auditor</u>	<ul style="list-style-type: none"> -Training objectives: To understand the requirements for environmental data verification and internal monitoring. -Number of participants: 25 people



Training Programs	Description
	<ul style="list-style-type: none">-Participant target group: Responsible Person-Quantitative results: The test results passed 100%
<p><u>Basic knowledge of environmental and energy management systems, and the requirements of the ISO 14001:2015 environmental standard.</u></p>	<ul style="list-style-type: none">-Training objectives: To provide new employees with knowledge and understanding of the Environmental Management System (ISO 14001) and energy management.-Number of participants: 485 people-Participant target group: Employees at all levels-Quantitative results: The test results passed 100%