GROWTH Overview G R O OUTSTANDING SHE MANAGEMENT — 6. Recycling Waste from Business Sites 7. Quest for Zero Safety Accidents 8. Promotion of Employees' Health W T H

Recycling Waste from Business Sites

Minimizing waste generated from business operations is always on our agenda. SK Innovation does not stop at simply sorting recyclables for collection but also manages recycling rates in a bid to minimize incineration and landfill. SK Innovation will make further endeavors to raise waste recycling rates to keep pace with ever-tightening waste control and growing social awareness worldwide and lead the way in resource circulation.



Strategies to Achieve Key Tasks (Mid-to Long Term)

2025 Targets

Major overseas business sites certified with

SK Innovation aims to have all domestic business sites and major overseas sites obtain the zero waste to landfill (ZWTL) certification by 2025. Along with its global business expansion, the company plans to upgrade its waste management system to meet global standards and obtain objective verification of its progress. The ZWTL certification by UL Solutions, an international safety certification agency, awards four grades of certification based on waste recycling rates: Platinum (100%), Gold (99~95%), Silver (94~90%), and Certified (80~89%). We take the ZWTL certification as a means to reaffirm our commitment to increasing waste recycling and share our progress with outside stakeholders.

Targets to Improve Resource Circulation at SK Innovation



Major Activities Planned for 2023

This year, we plan to have more business sites certified with ZWTL. In Korea, four business sites will have their certifications renewed and SK Enmove (Ulsan) will make its first bid for certification. As for overseas business sites, we are checking on corporations ready to get certified and the certification process in respective regions. Our target for this year is to get at least one overseas business site certified, which we expect would serve as a cornerstone for encouraging other business sites to get the ZWTL certification. In selecting recycling agents, the company will upgrade the evaluation criteria to include social value, such as recycling technology and recycling rate and put a priority on what's best for the earth, not simply going after economics, in every decision we make.

SKEN to Obtain 7WT Certification

 Efficiently acquire certifications drawing on the experiences of SKE and SKGC in the previous year.

 SKEN to obtain the certification, with which all workplaces within the Ulsan CLX will have been certified.

Overseas Biz. Sites Preparing for Certification

• Business sites in China and Europe: check legal compliance status in their operation, run self-diagnosis, and take improvement measures to obtain the certification.

 Find local recycling rating agencies and assess their qualification.

Upgrading Recycling Agents Selection Criteria

2023

Action Plan

 Define social value created by recycling technologies or recycling rates. Include social value in the technical evaluation criteria of recycling agents. nce ESG Data Appendix

GROWTH Overview G R O OUTSTANDING SHE MANAGEMENT — 6. Recycling Waste from Business Sites 7. Quest for Zero Safety Accidents 8. Promotion of Employees' Health W T H

SK Innovation makes strenuous efforts, such as upcycling, to minimize waste from business activities and expedite their recycling.

Our Commitment



The global energy mix is rapidly shifting toward carbon-free or low-carbon energies amidst the international movement pursuing carbon neutrality to deal with the climate crisis. One of the key features of such a transition is a circular economy where we decrease waste to prevent pollution and efficiently use resources.

SK Innovation will pursue future growth by migrating to a portfolio centered on carbon-free and low-carbon energies and a circular economy based on its excellence in technology.

- Keynote speech at SK Innovation's Global Forum

Vice Chairman Kim Jun, SK Innovation

Achievement 1 Zero Waste To Landfill (ZWTL)

Following the Carbon to Green strategy, SK Innovation sought the ZWTL certification for four domestic business sites, all of which were successfully certified in 2022. SK Energy and SK Geo Centric at the Ulsan CLX were rated as "Certified", and SK IE Technology (Jeungpyeong) and SK On (Seosan) were rated as "Gold" in recognition of their high recycling rates of 99% and 97% respectively. Meanwhile, SK Innovation will keep working to raise recycling rates with a commitment to promoting resource circulation, not simply for the sake of getting certified.

SK Geo Centric

VALIDATED

Activities and Achievements in 2022

Certification

SK Energy





The Ulsan CLX generates approximately 7,000 tons of sewage sludge a year. Sewage sludge has mostly been incinerated or buried as its strong odor makes it inappropriate for recycling. To find ways to recycle sewage sludge, SK Innovation has worked with academia and research institutes and developed a solution that separates and removes organic substances, the main source of the odor, from sewage sludge. We completed pilot and demonstration tests and registered a patent last year. Currently, we are making facilities investments to apply the solution from 3Q, 2023, and plan to recycle the entire amount of sewage sludge, approximately 7,000 tons/year, for cement production.

Achievement 3 Recycling Waste from Jet Fuel Production

The Ulsan CLX also recycles spent clay generated from jet fuel production. The solid bed merox (SBM) process filters raw kerosene to produce jet fuel and generates spent clay as waste. The company has improved treatment processes to recycle spent clay and hence is able to create both the social value of contributing to ESG management and the economic value of saving waste landfill expenses.



The SBM Process Recycles Waste by 100%.

