

EHS Policy

People-oriented, comprehensive management, overall protection of health and safety
Energy saving and consumption reduction, cleaner production, prevent and control environmental pollution

Integrity and law-abiding, continuous improvement, create safe and green JCET together

Environment, Health and Safety Objectives

To operate our process with minimum environmental impact and occupational health and safety hazards by adopting best available technologies, compliance of relevant legislation and highest standard of safe practices.

To continue to evaluate, review and improve our performance in environment, health and safety practices.

To implement comprehensive program to prevent potential occupational risk and reduce negative impact to the environment.

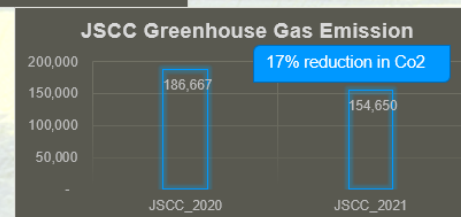
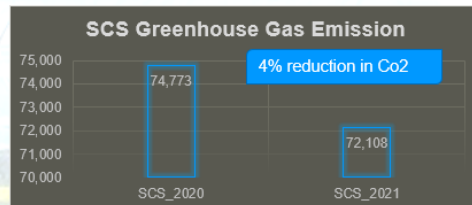
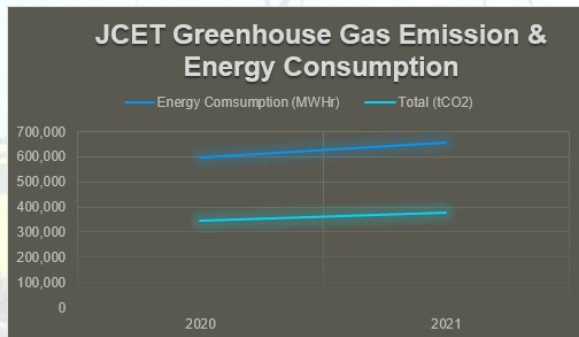
Our Environmental, Health and Safety Goals

10 years goal from 2020 to 2030:

- Reduce energy consumption / CO2 emission per unit by 30% using 2020 as baseline
- Re-use / recycle >20% of water purchased
- Recycle > 70% of hazardous and non-hazardous waste generated
- Achieve world-class safety performance in terms of accident frequency and severity rate lower than industry benchmark > 2020 Electronic Product Benchmark (Source: Ministry of Manpower, Singapore) per million man-hours worked.
 - ❖ Accident frequency rate (FR) = 0.7
 - ❖ Accident severity rate (SR) = 10

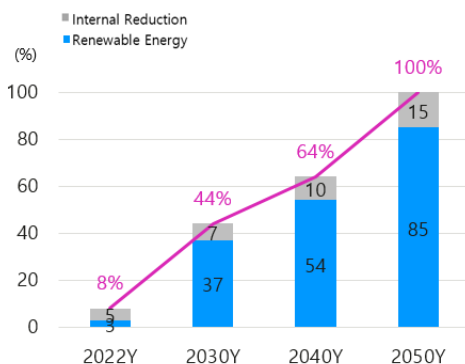
Greenhouse Gas Emissions

Carbon management is an integral part of JCET's business. We monitor CO₂ emissions through GHG inventory. In 2020, SCS, JSCC, SCK/JSCC greenhouse gas emissions from production facilities (Scope 1 & 2) were 346,514 tCO₂ and were 376,367tCO₂ in 2021. There is an increased in the greenhouse emission due to the expansion of facilities and productions in Korea factories. Hence, Korea factories has started using renewable energy from year 2022. JSCC and SCS has shown reduction in GHG emission reducing as shown in the chart. We will proactively implement all types of energy conservation programs and continue to comply with green building standards as we build new systems and modernize existing ones.



Improvement Plan (SCK)

▶ Goal for Net-Zero Emission by 2050



* Korea electricity emission factor is 0.4653tCO₂/MWh

我们的环境健康和安全管理政策

以人为本，综合治理，全面保障健康安全
节能降耗，清洁生产，预防和控制环境污染
诚信守法，持续改进，同创安全绿色长电

环境、健康和安全目标

通过采用最佳可用技术、遵守相关法规和最高标准的安全实践，以最小的环境影响和职业健康与安全危害运行我们的流程。

继续评估、审查和改进我们在环境、健康和安全实践方面的表现。

实施全面的计划，以防止潜在的职业风险并减少对环境的负面影响。

我们的环境、健康和安全目标

2020 年至 2030 年的 10 年目标：

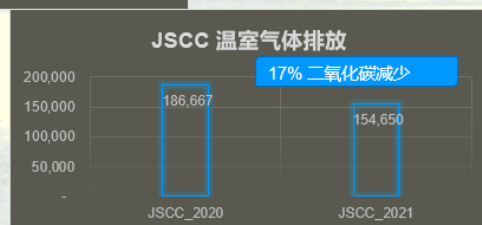
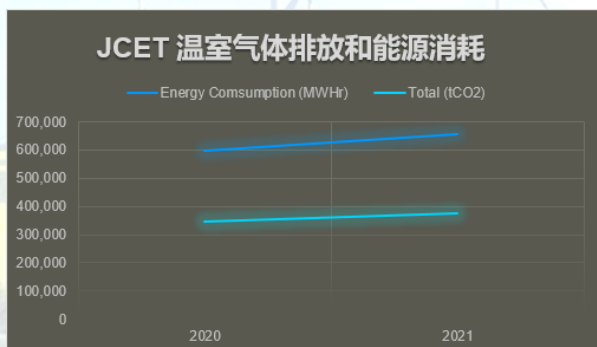
- 以 2020 年为基准，将单位能耗/二氧化碳排放量降低 30%
- 再利用/回收超过 20% 的购买水
- 回收 > 70% 的有害和无害废物
- 在事故频率和严重程度方面实现世界一流的安全性能，低于行业基准 > 2020 年电子产品基准（来源：新加坡人力部）每百万工时。

❖ 事故频率 (FR) = 0.7

❖ 事故严重率 (SR) = 10

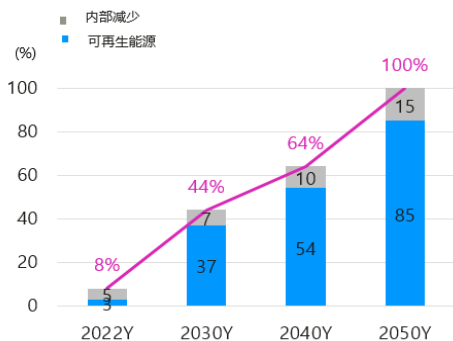
溫室氣體排放與管理

碳管理是长电科技业务不可分割的一部分。我们通过温室气体清单监测二氧化碳排放量。2020 年，SCS、JSCC、SCK/JSCK 生产设施（范围 1 和 2）的温室气体排放量为 346,514 吨二氧化碳，2021 年为 376,367 吨二氧化碳。由于韩国设施和生产的扩大，温室气体排放量增加工厂。因此，韩国工厂从 2022 年开始使用可再生能源。如图所示，JSCC 和 SCS 的温室气体排放量有所减少。我们将积极实施各类节能项目，并继续遵循绿色建筑标准，构建新系统并实现现有系统现代化。



改进计划 (SCK)

▶ 到 2050 年实现净零排放的目标



韩国电力排放因子为 0.4653tCO2/MWh