

***WORKING TOWARDS  
A SUSTAINABLE FUTURE***







## Plastic Recycling

Emphasizing the fact that plastic waste poses a significant threat to the environment and sustainability. GS Caltex India's partnership with a renowned plastic recycler helps in reducing plastic waste and minimizing its impact on the environment and by recycling plastic containers, the company is taking a step towards creating a circular economy. This initiative not only helps in reducing environmental pollution but also creates job opportunities in the recycling industry. The partnership also promotes the efficient utilization of resources, which contributes to creating sustainable value.

## Energy savings and conservation

The energy-saving initiatives of GS Caltex India help in reducing its carbon footprint and adopting sustainable practices. The use of battery-operated vehicles at its warehouse and plant for operations reduces the company's dependence on fossil fuels and contributes to reducing air pollution. The installation of low-energy-consuming lights at all GS Caltex India facilities is another step towards energy conservation. By taking such measures, GS Caltex India is setting an example for other organizations to follow.



## Responsible Buying

Responsible buying is an essential part of sustainability, and GS Caltex India is committed to following sustainable practices while procuring raw materials and packing materials. By doing so, the company reduces the impact of its supply chain on the environment. Associating with responsible vendor partners who follow sustainable practices in their procurement policies is another step towards creating a sustainable supply chain. This initiative not only helps in reducing the company's carbon footprint but also contributes to creating a more sustainable future.

## Logistics Partnership

Logistics is an area that has a significant impact on the environment, and GS Caltex India is taking steps to reduce its carbon footprint and emissions in this area. By exploring valued partnerships to complement its environmental goals, the company is making a conscious effort to reduce its impact on the environment. Working with logistics partners who have green fleets such as CNG and EV trucks is an effective way to reduce emissions and contribute to sustainable transportation.







## Plantation Drive

Plantation drives, free pollution check-up camps, and plant sampling distribution drives conducted by GS Caltex India on World Environment Day for the last 8 years are important steps towards increasing green cover and reducing air pollution. By raising awareness of vehicle pollution check-up and promoting the importance of plantation for greenery adoption, the company is taking an active role in promoting sustainable practices. These initiatives not only benefit the environment but also create a sense of responsibility towards environmental sustainability among the people.

## Swachh Engine Abhiyan

The 'Swachh Engine Abhiyan' campaign run by GS Caltex India is an important step towards promoting responsible consumer behavior. By creating awareness among the general audience to choose the right engine oil for their vehicle to reduce air pollution, the company is contributing to reducing the impact of transportation on the environment. The campaign's objective is to enlighten a large number of audiences about how choosing the right engine can be indirectly beneficial for a sustainable future. By taking such steps, GS Caltex India is setting an example for others to follow and promoting environmental sustainability.



## GS Caltex , Seoul Korea : The Parent company

GS Caltex , Korea has classified the targets for achieving net carbon-zero into three areas : Reduction, Replacement, and Offset, and is working to develop relevant approaches and implementation strategies for each area. Also under review are conducting impact analyses of carbon emissions by production process, unearthing GHG reduction opportunities, setting and managing reduction targets, and quantifying the effects of carbon reduction in new eco-friendly businesses

The GS Caltex R&D Center and each business unit conduct active research and development for eco-friendly products and new technologies. The R&D Center is also seeking diverse investment opportunities in green sectors by raising funds at the GS group level, such as conducting joint research with a global start-up possessing carbon reduction equipment and eco-friendly technologies







## Improving Energy Efficiency

GS Caltex has focused on energy saving activities to reduce cost and GHG emissions. To conduct these activities more systematically, an internal project called Scorpions. By implementing 130 energy saving initiatives, the project has produced savings of around KRW 15 billion in energy costs and a GHG reduction of 43,000 tCO<sub>2</sub>eq. GS Caltex also introduced a cogeneration plant to its business site which produces electricity and gas by operating gas turbines fueled by LNG. This replaces part of the electricity supplied by coal-fired power plants and reduces the steam bought from a local supplier in the Yeosu Industrial Complex. It has also contributed to a reduction in GHG emissions.

## Launch of the Energy Plus Eco Brand

The 'Energy Plus' brand exemplifies a commitment to 'change and expansion as an energy company' and encompasses future-oriented business areas. The 'Energy Plus Eco' brand signifies the company's commitment to eco-friendly management for a sustainable future. The Energy Plus Eco brand will be applied to those certified eco-friendly products made from eco-friendly materials or which contribute to a circular economy by using recycled materials, such as recycled PP compounds, launch of Kixx BIO1, a fully synthetic engine oil made from 100% plant-based base oil, and Kixx EV fluids for electric vehicles, GreenDiol (cosmetics ingredient). The brand will be widely applied in new business areas such as eco-friendly technologies and products that contribute to carbon reduction.



## Waste Plastic Recycling

To contribute to creating sustainable value through efficient utilization of resources, GS Caltex has pursued the Mechanical Recycle (MR) and Chemical Recycle (CR) business and has expanded its efforts to address waste plastic issues. GRS (Global Recycled Standard) Certification for Recycled PP Compounds.



## GRS (Global Recycled Standard) Certification for Recycled PP Compounds

GS Caltex's recycled PP compounds are functional products upcycled from waste plastic specific to customer needs based on its advanced technology. More than 10% of PP compounds produced by GS Caltex are recycled products from waste plastic. This has contributed to a CO2 reduction of 61,000 tons a year. In November 2021, GS Caltex obtained the GRS certification for the recycled PP compounds – the first oil company in Korea. GRS is an international certification verifying the content of recycling materials in finished products and transparency across the entire process from the sources of the raw materials to manufacturing.



## Waste Management

GS Caltex strives to reduce waste materials by sharing all data from waste generation on the shop floor to storage and treatment using the SHE (Safety·Health·Environment) information system developed internally. Waste materials are thoroughly sorted and stored by type to increase recycling. Further, together with recycling companies, GS Caltex is making efforts to develop technologies to recycle waste materials such as waste oil, catalysts, synthetic resins, tank sludge, and wood, as well as create demand for recycled materials.



## Biodiversity Conservation and Management

In recognition of the growing importance of biodiversity conservation due to climate change, GS Caltex is engaging in managing the biodiversity impact in areas adjacent to its worksites in collaboration with local communities and government institutions.



These are just a few of the many efforts we are making to conserve energy and protect the environment. We will continue to work towards making a positive impact on the planet.

For more details on GS Caltex sustainability activities, please visit our website below

[www.gscaltex.com/en/sustainability](http://www.gscaltex.com/en/sustainability)

