

Sustainability

Materiality 1 Climate Change Mitigation and Adaptation



The Teijin Group contributes to climate change mitigation and adaptation by providing products and services aimed at reducing CO₂ emissions and realizing a carbon-free society.



Climate change has a large impact on the international community and economy and increases the risks of natural disasters. For the Teijin Group as well, which aims to be a company that supports the society of the future, climate change is a big problem relating to the sustainability of our business bases. It is for this reason that we have identified “climate change mitigation and adaptation” as a materiality.

By contributing through our business, we will greatly reduce greenhouse-gas emissions by means of energy saving and realize a switch to alternative clean energy as a step toward a carbon-free society. Efforts in procurement, production, transportation, and other fields are essential as well. While contributing to “Lightweight and energy efficient mobility” and “Clean energy shift” through our products and technologies, the Teijin Group will continue our own efforts for reducing greenhouse gases emissions, too. Furthermore, we will contribute to reduce and promptly restore damage from natural disasters.

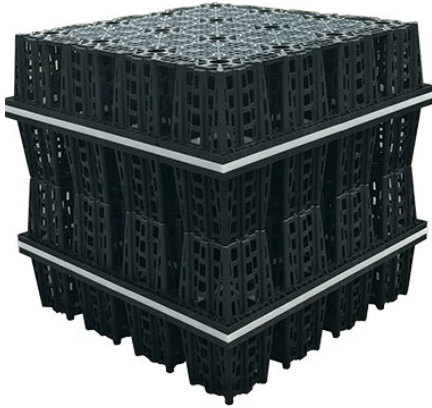
Environmental Value Solutions: Climate Change Mitigation by Providing Lightweight Materials and Other Solutions



Teijin Group carbon fiber reinforced thermoplastic (CFRTP) products are used in General Motors pickup trucks.

We are currently facing unprecedented extreme climate change. Measures to reduce emissions of and absorb greenhouse gases, a cause of climate change, are essential as mitigation measures. The Teijin Group is working to mitigate climate change by providing high-performance materials and components to realize lightweight and electric mobility as a means of contributing to the reduction of CO₂ emissions and providing products that are essential to hydrogen-based social infrastructure with the aim of decarbonizing society.

Safety, Security and Disaster Mitigation Solutions (Adaptation to Climate Change)



Climate change is causing a higher frequency of natural disasters caused by extreme rainfall, flooding, heat waves, and so on. The Teijin Group provides rainwater storage blocks as well as products and services that use high-durability materials and the Internet of Things (IoT) to reduce and promptly restore from the damage by natural disasters, contributing to adaptation to climate change.

Teijin developed and provides rain water storage tanks with outstanding long-term durability and creep strength.

Reducing Greenhouse Gases Released in Conjunction with Business Activities

The Teijin Group aims to make avoided CO₂ emissions greater than total CO₂ emissions in the entire group and the upstream supply chain at an early stage and by FY2030 at the latest.

To reduce CO₂ emitted in conjunction with business activities, in July 2021, we newly set Scope 3 reduction targets while raising Scope 1 and 2 reduction targets in order to accelerate initiatives for the realization of net zero emissions. We will promote decoupling of business growth and greenhouse gas emissions, reduce our Group's CO₂ emissions (Scope 1 and 2) by 30% compared to the FY2018 level by FY2030, and realize virtually zero emissions by FY2050. In addition, by FY2030 we will reduce supply chain CO₂ emissions (Scope 3) by 15% compared to the FY2018 level.



Related information

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