

# Sustainability

Looking to create a cleaner and brighter world for future generations, Hanwha is committed to creating meaningful solutions to problems affecting communities worldwide.

Hanwha uses its capabilities and resources to grow its business while enriching people's lives and tackling environmental issues. Significant investments are being made to develop sustainable business practices and cut back greenhouse gas emissions. Hanwha is especially focused on helping to fulfill the United Nations' Sustainable Development Goals by 2030, particularly those addressing affordable and clean energy, responsible consumption and production, and climate action.

Since 2011, Hanwha has been shining a light on energy poverty across East Asia through Happy Sunshine, a corporate social responsibility project. Utilizing the expertise and experience it has gained as one of the world's leading solar-energy-solution providers, Hanwha has donated solar-energy systems to 320 community development projects as of 2021. These systems have a collective production capacity of 2,187 kW per year. The carbon emission reductions achieved through these donations are equivalent to planting over 910,000 pine trees. Beyond providing energy support to the project's recipients, Happy Sunshine also promotes the use of clean solar energy as an effective way to combat global warming.



Hanwha's sustainability roots run deep. Through its Hanwha Solar Forest campaign, Hanwha has planted over a million square meters of trees across eight "solar forests" in Korea, China, and Mongolia. These solar forests rejuvenate the environment by reversing global warming, capturing microdust particles in the air, and reclaiming land previously lost to desertification and landfills. The forests have an additional positive social impact by allowing communities—who were once pushed out because of logging and desertification—to return and rebuild their lives. Hanwha makes reforestation even greener by growing saplings in solar-powered tree nurseries that do not emit greenhouse gases. The United Nations Convention to Combat Desertification praised this as a best practice and urged others to follow Hanwha's example.

In 2019, Hanwha launched its latest environmental venture with the "Clean Up Mekong" campaign in Vietnam. It donated solar-powered boats to help scoop-up the floating garbage clogging the Mekong River's surface and endangering the lives of millions of people and aquatic ecosystem. The two donated boats use their conveyor systems to collect up to 400 to 500 kilograms of waste from the river daily. Because they're solar-powered, the boats also don't emit any harmful fumes or leak fuel to add to the river's pollution problem. Beyond the actual cleanup, Hanwha also raised public awareness of the Mekong River's pollution problem online through social media and rallied support for its efforts.