

GE Hydro Solutions Sustainability



Our role for a sustainable world

How our corporate sustainability commitments and our products align with **the United Nations Sustainable Development Goals**



UN Sustainable development goals

Our hydropower technologies help our industry play an essential role in **fighting climate change** (13), providing flood control, drought mitigation, resilient water resources and irrigation (6). They provide **affordable renewable energy** and integrate other clean energy solutions through energy storage (7), (9).

Our products and services are designed to promote sustainability, respect for the **environment**, and ensure the **Health, and Safety** of our employees and the communities in which we work (8), (11).

Our sustainability journey

Since our first carbon related program launched in 2019, our renewable energy businesses have shown that accounting and reducing our greenhouse gas emissions is a long-term concern for the company. **GE has now committed to achieving carbon neutrality for its direct activities and its energy consumption (scope 1&2*) by 2030, and to reduce these related emissions by 50% by this date.**

GE is reducing emissions through operational efficiencies and securing renewable electricity supply for all GE Renewable Energy sites throughout its wind, hydropower, hybrids and grid businesses. Furthermore, GE Hydro Solutions is committed to **the promotion of sustainability standards within the industry.**

*The GHG Protocol Corporate Standard classifies a company's GHG emissions into three 'scopes'. Scope 1 emissions are direct emissions from owned or controlled sources. Scope 2 emissions are indirect emissions from the generation of purchased energy. Scope 3 emissions are all indirect emissions (not included in scope 2) that occur in the value chain of the reporting company, including both upstream and downstream emissions. [ghgprotocol.org](https://www.ghgprotocol.org)

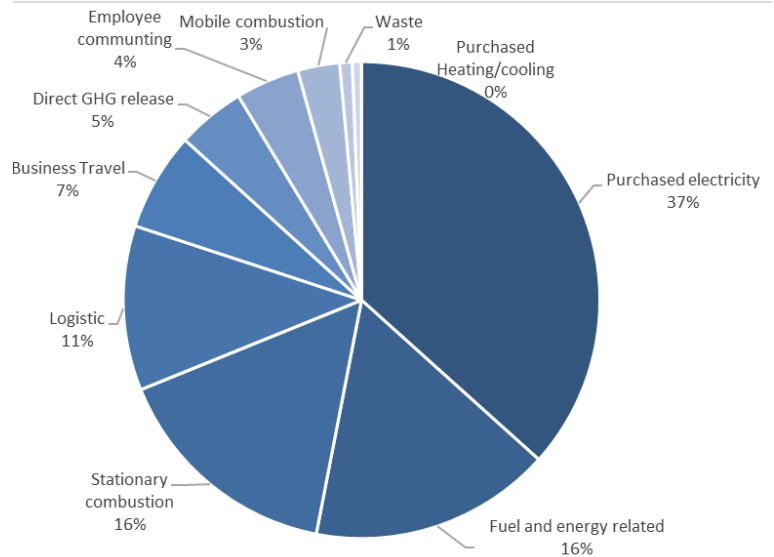
Carbon Neutral action overview

Account Emissions

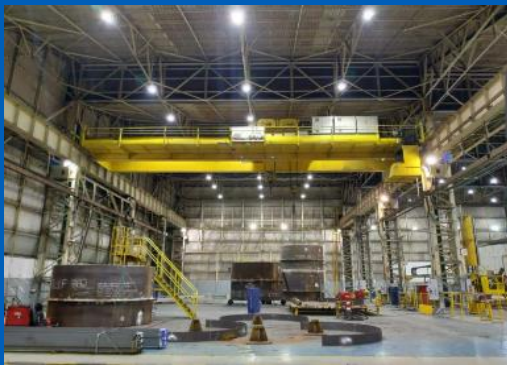
GE Hydro Solutions certified emissions for 2021

The total GHG emissions of the Hydro branch of GE Renewable Energy was 86kt CO₂eq in 2021. The main sources of measured emissions are the purchase of electricity at our sites and logistics.

Measuring our emissions allows us to become aware of our impact and to determine reduction actions that will have the biggest reduction impact.



1. GE Hydro Solutions measured 2021 emissions by source



2. Replacement of USP and CASLSP lighting by LED at Taubaté GE Hydro Solutions site (2021)

Reduce Emissions **Energy efficiency actions**

GE Hydro Solutions' sites have carried out diverse actions to improve energy efficiency.

Since 2020, GE Hydro has invested almost 1M USD into energy efficiency actions for its diverse sites, this represents more than 5800 MWh/Year of energy savings.

Power with renewables **PPA & Green Tariff Electricity contacts**

100% of our sites are powered with renewable energy. This green energy supply is ensured through Green Tariff Electricity contracts (Europe and North America) and Renewable Energy Certificates (Other sites).



Solar roof made of 13 000 solar panels installed at GE Hydro Tianjin site



Campaign, Engage, Lead

Promoting sustainability within our industry, developing sustainability actions in our processes, and creating a sustainability culture within the company.

Promoting sustainability within our industry

GE Hydro Solutions signed the San José Declaration on Sustainable Hydropower, issued at the 2021 World Hydro Congress, committing to an ambitious set of principles and recommendations to guide the future of sustainable hydropower development.

GE also worked with the Solar Impulse Foundation to demonstrate the contribution of the Pumped Hydro Storage solution in the fight against climate change, highlighting its importance in providing clean and affordable energy.

Developing sustainability actions in our processes

To ensure that the projects in which we take part meet sustainability standards, we have integrated the requirements of the Hydro Sustainability Standards into our business processes.

We can also carry out Carbon Footprint Assessments to meet the demands of our customers. We have trained some of our employees to collect and estimate the GHG emissions related to the value chain of our products, and we plan to develop this competency to be able to deliver full Life Cycle Assessments for our products.

Creating a sustainability culture within our company

The GE Green Team Network Employee Resource Group supports and furthers GE sustainability goals with a grassroots-driven approach. Through actions to raise awareness or reduce emissions or protect biodiversity, these volunteer employees execute local projects in support of the UN Sustainable Development Goals and develop a corporate culture geared towards sustainability.

Overview of GE Hydro Solutions key sustainability priorities

All actions presented in this document are part of a global strategy to make our business more sustainable. The diagram below presents our progress and future actions for the continuous improvement of our sustainability actions.

■ Actions implemented

■ Actions in progress

■ Actions to be implemented

