

Main Business Areas

Major Affiliates

Hanwha Corporation

Hanwha Solutions Chemical Division

Hanwha Solutions Q CELLS Division

Hanwha Solutions Advanced Materials Division

Hanwha Impact

Hanwha Total Petrochemical

Hanwha Energy

Major Products and Services

- Solar cell and module manufacturing equipment
- PV cells and modules
- Energy storage systems
- Downstream energy solutions
- Distributed energy solutions
- Overseas project development (PV, ESS)
- O&M
- Energy system solutions
- Energy retail

Energy

A leader in world-class energy solutions, Hanwha continues to develop breakthrough sustainable and eco-friendly energy innovations while remaining on top in major global solar energy markets. Hanwha is a renowned total energy solutions provider in solar cell and module production, energy storage, downstream projects, and energy retail.

Hanwha sets the standard in solar technology through its global network of four state-of-the-art R&D centers located in Germany, South Korea, China, and Malaysia. Managing a global production network spanning South Korea, China, and Malaysia, and the U.S., Hanwha has also established sales and marketing operations in more than 60 countries throughout Europe, Asia, and North America.

In addition to solar energy, Hanwha is investing in and spurring the expansion of other eco-friendly energy sources. Following its construction of one of the world's largest by-product hydrogen-fuel-cell power plants, Hanwha continues to pursue hydrogen as a green energy source by innovating mass production through electrolysis and recycling byproduct hydrogen from Hanwha Total Petrochemical activities. In 2021, Hanwha expanded its global green energy capacity and diversified its renewable energy offering with the acquisition of RES France.

Through its technological leadership and strong global business network, Hanwha will continue to drive the expansion of the global green-energy market.

Business Scope



- ✓ World-class solar module production capacity of 12.4 gigawatts (GW) per year
- ✓ Maintains No. 1 market share in the US residential and commercial solar markets
- ✓ Awarded Top Brand PV Europe Seal eight years in a row and Top Brand PV Australia Seal six years in a row by EuPD Research
- ✓ Awarded Top Performer recognition six years in a row by PVEL
- ✓ 102.5MW of Q CELLS solar modules have been installed and commissioned in Facebook data centers as Facebook's first solar project in the state of Georgia, United States
- ✓ Operates the world's first 50-megawatt (MW) by-product hydrogen-fuel-cell power plant, powered solely by hydrogen extracted as a byproduct of chemical refining
- ✓ First in South Korea to secure mixed hydrogen combustion technology, reducing carbon and nitrogen oxide emissions