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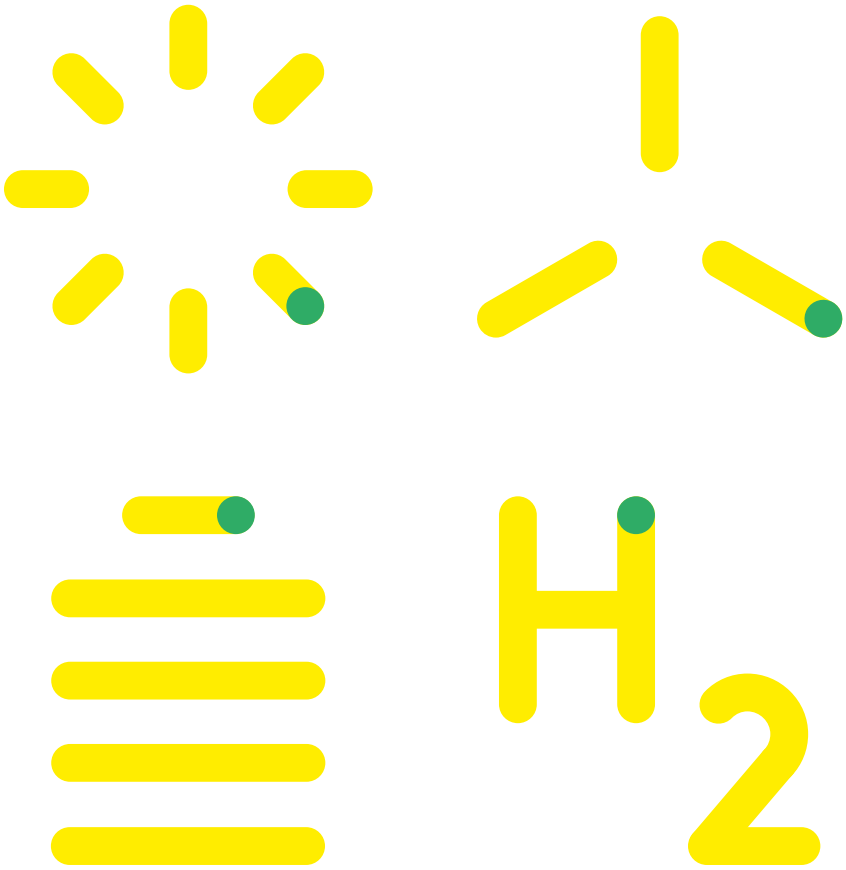
Qenergy



Empower a sustainable world with green energy

Our purpose

Empower a sustainable world with green energy

Our purpose is at the heart of everything we do. It sums up what we as QENERGY stand for, what unites us across all nations and locations and what drives us every day.

We don’t simply generate green electricity. Through our projects, we enable the energy transition and thus provide a decisive foundation for a sustainable future. Together, we aim to make a positive impact on our world. This is what we stand for as a company. For us, sustainability is not just a slogan — it is part of our DNA, our Corporate Identity. This includes not only our projects, but of course also environmental and social issues and our way of governance. Our purpose is the starting point for everything we do and strive for: Empower a sustainable world with green energy.

600
Employees across Europe

49
Nationalities and cultures

+8.5 GW
Project development portfolio

+2.5 GW
Projects developed and/or built

What we do to achieve our purpose

- **Develop, build and manage green energy assets.**
- **Continuously innovate to drive the energy transition.**
- **Create mutual value by fostering successful partnerships.**

Holistic green energy solutions from start to finish

QENERGY is Europe's green provider of energy project solutions – a trustworthy partner for communities and landowners, project developers, construction professionals, investors and off-takers. Together, we aim to drive the energy transition forward.

We are proud to be a diverse team of people from 49 different nations. International and cross-cultural cooperation is part of our everyday work routine. We love to learn from each other and grow together. Our goal is to make a positive impact and create meaningful change for a better world. That´s why we are in this business and that´s why sustainability is part of our DNA.

In early 2022, we took the strength and PV-downstream experience of the German solar pioneer Qcells, while also incorporating the expertise of a recently acquired company in France. Our French division had been successfully developing wind and solar projects under the RES Group for over 25 years. Together, we formed QENERGY and officially launched the new company on 1 July 2022.

We understand QENERGY as a unified team, only legally structured as the holding company QENERGY Solutions SE, along with two subsidiaries: QENERGY Europe GmbH and QENERGY France SAS.

Our markets include Spain, France, Portugal, Germany, and Italy. With an active development pipeline of 8.5 GW in solar, wind, and storage projects, it is our goal to drive the energy transition across Europe by establishing successful partnerships and implementing holistic solutions along the value chain of green energy projects.

QENERGY is headquartered in Berlin and has offices in Madrid, Badajoz, Seville, Lisbon and Porto, as well as six agencies across France beyond its main office in Avignon.

Berlin office


Madrid office


Avignon office

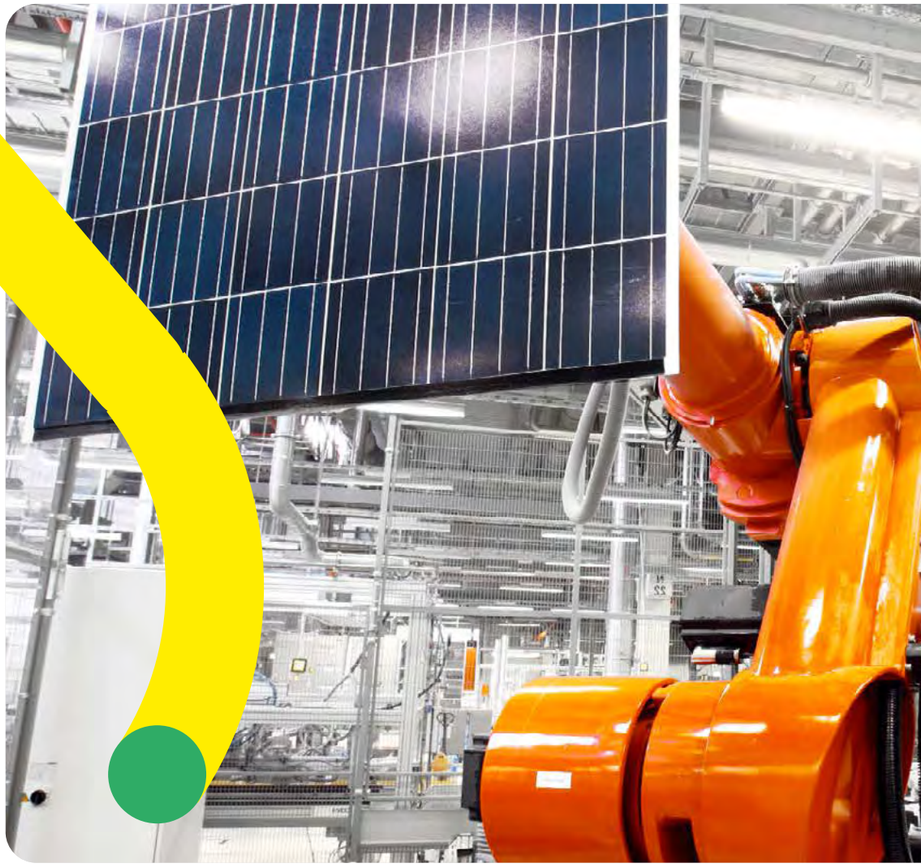
A strong family fully committed to sustainability

QENERGY belongs to the energy division of the Korean Hanwha Solutions Corporation, a flagship company of the Global Fortune 500 enterprise Hanwha Group. Thanks to our affiliation with Hanwha, we are a fully bankable and a financially rock-solid partner for our stakeholders, investors, and business partners. Hanwha Solutions aims to transform the global energy landscape of today and tomorrow by promoting green energy solutions worldwide.

7th
largest company in South Korea

776
Global Networks around the world

73 years
in Business
Founded in 1952



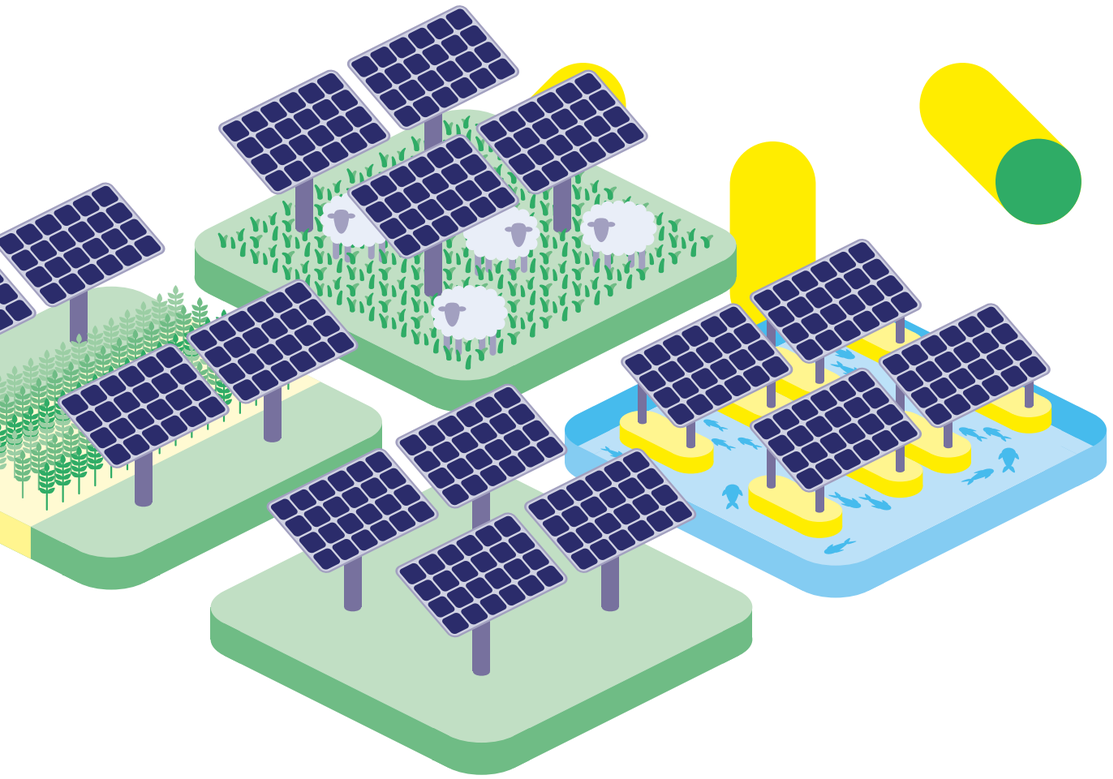
$ 61.3 billion
Total Sales as of 2023

$ 181.2 billion
Total Assets as of 2023

Hanwha is the 7th largest company of South Korea and operates 776 networks around the world (as at end 2023). Its businesses span chemicals & materials, aerospace & mechatronics, green energy solutions, finance, leisure & lifestyle, and construction. In 2023, Hanwha achieved total sales across all affiliates of USD 61.3 billion and holds assets worth a total of USD 181.2 billion.

Hanwha is deeply committed to sustainability, as it is clear that our choices today affect the world of tomorrow. As a result, Hanwha is engaged in a broad range of sustainable energy innovations and ecologically smart initiatives to lead global efforts towards a green and carbon neutral era.

Solar



Solar power plants are a crucial component of Europe's energy transition and essential to achieve climate targets. They are not only environmentally friendly, adaptable to geographical conditions, and reliable, but also require very little maintenance.

This makes them highly attractive opportunities for a wide range of stakeholders:

- Cities and Municipalities
- Investors
- Industry
- Farmers
- Landowners

+1.5 GW
developed and/or built

+5.5 GW
portfolio of solar projects under development

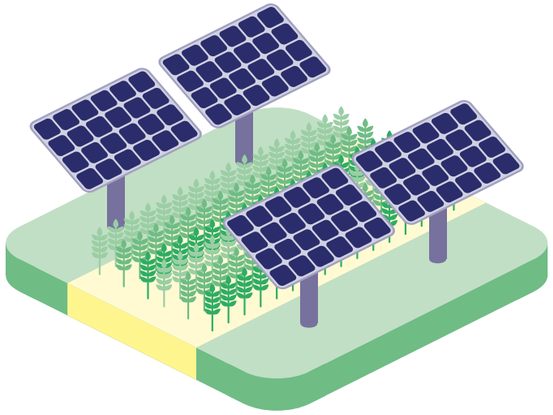
QENERGY builds on more than 25 years of experience and a track record of over 1.5 GW of constructed and operating solar power plants under the umbrella of the renowned solar-cell and - module manufacturer Qcells and RES.

We offer a complete range of services, from site selection and project development to engineering, procurement and construction (EPC) to operation & maintenance (O&M) of power plants, all the way to financing solutions and to electricity sales as an independent power producer (IPP). We efficiently implement solar power plants, and our integrated project management and system expertise ensure a high level of security for our partners.

In summary: We offer consistent know-how and many years of experience in planning and execution of solar power plants to promote a holistic success and maximum benefit for all sides!

- Prospection and land lease
- Environmental assessment and permitting
- Consultation and coordination with stakeholders
- Financing solutions
- Quality, health and safety management
- Engineering, procurement and construction (EPC)
- Operation and maintenance/Asset management
- Project sales/ Power Purchase Agreement

Agrivoltaics



Agrivoltaics is gaining popularity in Europe. The simultaneous use of land for agricultural production and solar energy generation is a mutually beneficial concept for developers and farmers. In response to climate change, droughts and extreme weather conditions, agrivoltaics offers several advantages: zero-emission solar energy, agricultural production and crop protection against drought and climate impact – all simultaneously and on the same land space.

As a result of this combination, agrivoltaic projects are increasingly gaining political support and government subsidies throughout Europe. In general, each project is individually tailored to the requirements of the respective location and the type of agricultural production method or cultivation.

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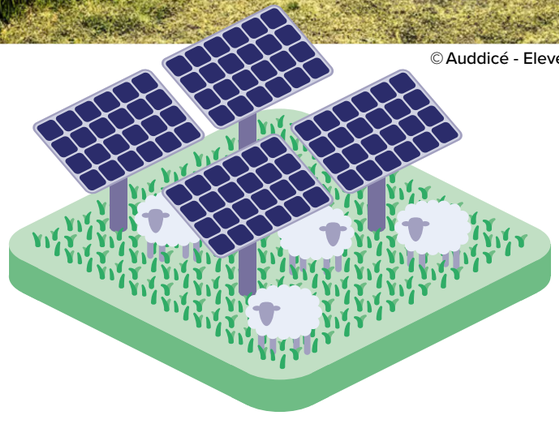
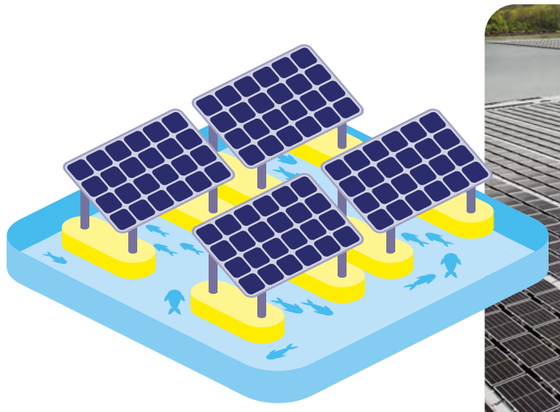


In Germany, the potential for this highly sustainable combination of agricultural use and energy through photovoltaics is very significant, given the reduced rainfall in recent years. In southern Europe, the positive effect of shading crops is even more evident. In France, we have already developed prototypes in collaboration with farmers and landowners, such as cultivating hops under panels or solar-powered hydroponic systems, or combining photovoltaics with livestock farming.

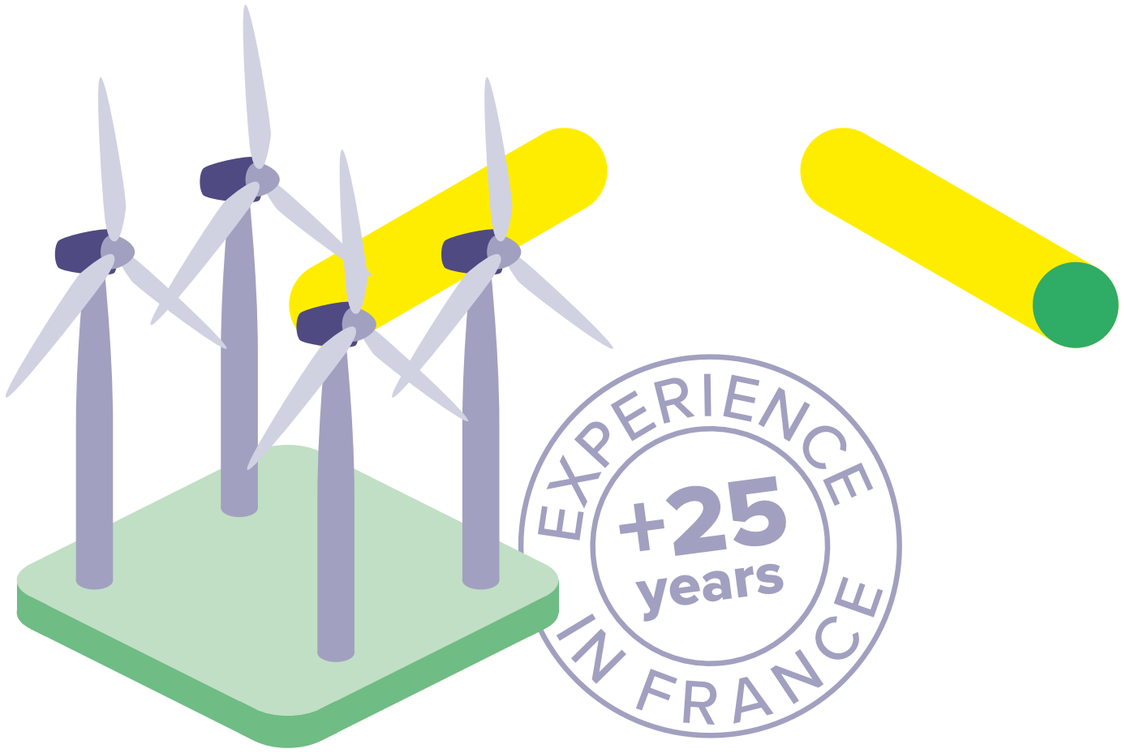
Floating Solar

Floating solar systems are a technology that has been developed around the world for more than ten years. The panels are attached to floating pontoons and form a solar island that is anchored to the bottom of the environment in which they are placed. The cold water prevents the photovoltaic collectors from overheating, which increases efficiency and extends the life of the panels. Floating solar power plants can be built on a variety of surfaces, such as gravel pit lakes, and polluted water reservoirs or natural lakes. The structure that supports the panels is fully recyclable and does not pollute the water, limits wind speed on the water's surface and reduces erosion of the banks, preserving vegetation. In the Haute Marne department in France, QENERGY is successfully carrying out the 73 MW "Les ilots Blandin" project, the largest floating solar park approved in Europe.



Floating solar farm Les Îlots Blandin, France © Romain Berthiot

Wind



QENERGY, is an experienced onshore wind energy player covering the entire value chain. With a strong track record of over 25 years of experience in renewable energy in France and supported by our in-house skills, we offer a complete range of services, including site identification, development, engineering, construction, operation, decommissioning and repowering of onshore wind projects.

+1 GW
developed and/or built

53
wind farms in operation

+2.2 GW
portfolio of wind projects under development

550K
homes supplied with clean electricity

Comprehensive solutions and sustainable local partnerships

The construction of onshore wind farms requires extensive planning expertise as well as strong technical and commercial knowledge. At QENERGY, we see ourselves as a partner who strives for comprehensive and profitable solutions for all stakeholders.

Our teams master all technical, regulatory, and environmental tasks required for the lifecycle of a wind farm. We cover the entire value chain of wind projects: from site identification to construction, operation, and repowering.

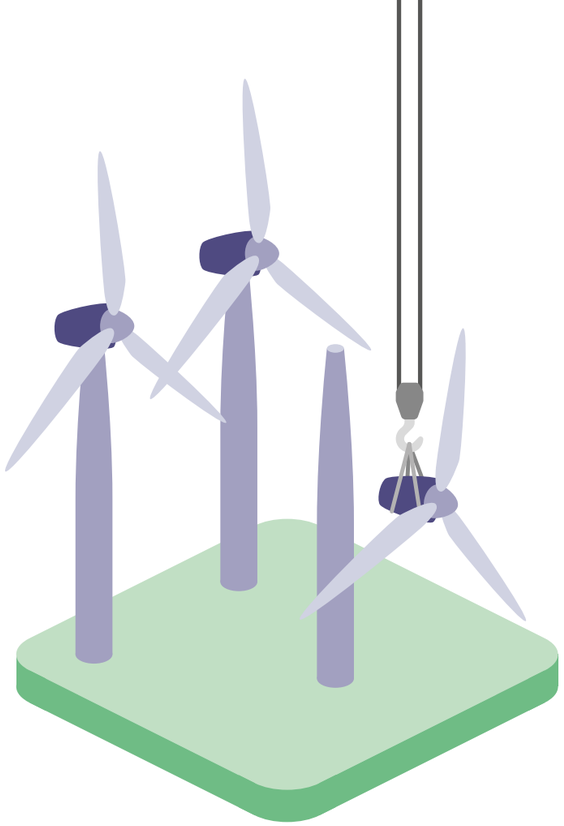
- Land prospection and leasing
- Environmental assessment and permitting
- Consultation and coordination with stakeholders
- Financing solutions
- Quality, health and safety management
- Engineering, procurement and construction (EPC)
- Operation and maintenance/Asset management
- Dismantling and repowering

Repowering

A real opportunity to boost electricity production.

Repowering describes the complete update of a wind farm by dismantling the old structure and constructing a new, state of the art wind turbine. The first wind farms naturally were installed in areas with excellent wind yields. By equipping these top-areas with new and more powerful technology, repowering drives the energy transition forward in the most efficient way.

The power output from the same plot of land can thus be increased by up to 100%.



Repowering of Souleilla wind farm, France © Absoludrones

Wind farm repowering leads to an improved and more efficient use of available land, by using less space for a significant increase in green energy production. But that's not all: essentially all involved stakeholders benefit from repowering measures. Landowners and farmers benefit from land lease extensions and an increase in annual revenue while local authorities may count on increasing tax revenues and renewed infrastructures. Investors and owners can rely on a higher power output, enhanced technological reliability and lower operating and maintenance costs.

With a portfolio of over 750 MW currently under development in France, QENERGY is undoubtedly a pioneer in the repowering of wind farms. As a wind farm developer, we know the legislative context, and also the local and environmental issues that must be considered to evaluate the benefits of repowering. In every repowering project, our priority is to work closely, transparently and in a spirit of trust with all those involved and the local population from the planning phase through to implementation.

Repowering of Soleilla wind farm, France © Absoludrones

Combined with technologic improvements, repowering is therefore an effective way of decarbonising energy[1]:

+10%
tip height
=
+55%
households
provided

+20%
tip height
=
+75%
households
provided

+30%
tip height
=
+100%
households
provided

[1] Estimation based on 150m height wind turbines with a per turbine capacity of 2 MW (standard chacteristics of wind turbines studied for repowering)

Offshore wind

Offshore wind is one of the main renewable energy technologies. European governments pledge to deliver up to 160 GW of wind capacity by 2030. This requires almost a constant fivefold in delivery rates for the rest of the decade.[1]

To help meet these needs and accelerate the energy transition, QENERGY is an active player in the French offshore wind sector, where we have been a pioneer since 2003. Our collaboration with Ailes Marines enabled us to win the tender for the first French offshore wind farm outside the Bay of Saint-Brieuc, marking an important milestone in our offshore wind journey. With 62 turbines and a total capacity of 496 MW, this project illustrates our ability to develop large-scale wind farms.

In 2025, QENERGY joined forces with Elicio and VALOREM to establish the Astenn Avel partnership. The consortium is dedicated to developing offshore wind in France, particularly in response to the AO9 tender for extending the floating wind farm off the coast of southern Brittany. Located between Groix and Belle-Île-en-Mer, the project will add 500 MW of installed capacity to the region.

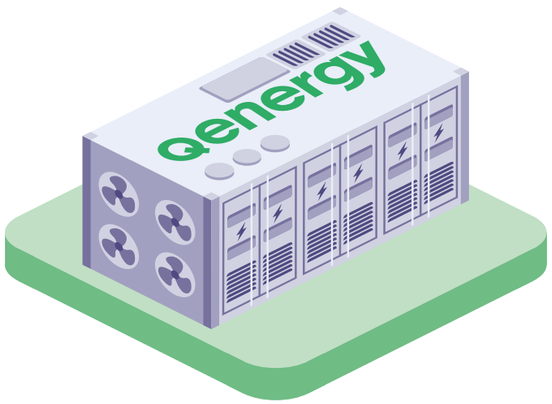
An offshore wind farm is not just about producing renewable energy. It's about cooperation between different partners and stakeholders to manage complex tasks and projects. That's why QENERGY attaches great importance to partnerships and the creation of synergies. Through open dialogue, we aim to develop projects that address local concerns and respect the environment and maritime activities. By working closely with regulators, industry players, EPCIs, shipping and finance, we can reshape the European energy landscape and bring added value to the continent.

Source: [1] WindEurope

Storage Solutions

Battery based energy storage systems (BESS) are no longer limited to residential and e-mobility applications.

Today, standalone or co-located energy storage systems are becoming increasingly important to complement renewable energy power plants. Stand alone or hybrid power plants are important elements to achieve the energy transition, as well as a necessity for grid operators, utilities and consumers. In Portugal, QENERGY is working on the country's first major hybrid projects. In France, we recently built a 44 MWh BESS project in the northeast, in the city of Saint-Avold. This project is one of the largest facilities in the country. Overall, QENERGY is planning BESS projects of more than 750 MW across Europe.



As a full-service provider of large-scale renewable energy solutions, QENERGY always uses safe, efficient, durable, and cost-effective storage systems. We tailor our solutions to the specific needs of each individual project by leveraging our broad expertise in all stages of renewable energy projects – from development and permitting to engineering and construction, to financing solutions and operations. Our storage systems provide a wide range of services simultaneously and in a complementary way.

- **System services** (real-time supply demand/ balance of national grid)
- **Capacity market services**
- **Congestion management**
- **Peak shaving of consumption or production**
- **Energy market arbitrage**
- **Black-start and back-up system**

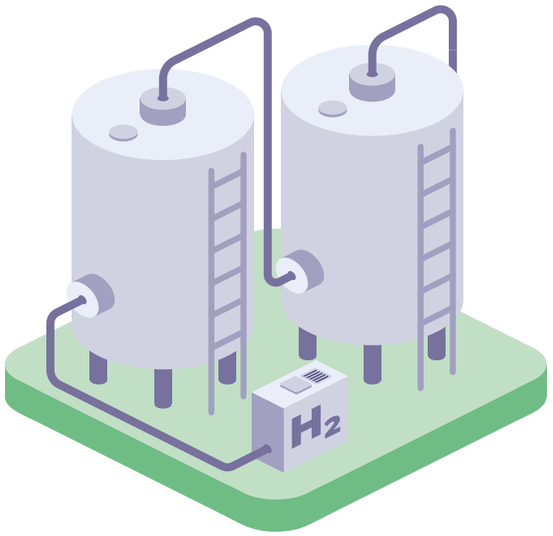
BESS capacity additions in Europe are expected to increase more than sevenfold on average between 2022 and 2030, and some countries have already introduced national targets for BESS deployment as part of their Net Zero Strategy.

QENERGY masters the entire project development cycle, from land management to market valuation strategy.

As an integrator independent of any battery manufacturer, we customise our storage solutions to meet the services required by each client, capitalising on our expertise in the development, engineering, financing and construction of renewable energy projects. To address the specific requirements of each project and client, we use only high efficiency, long-life batteries from leading suppliers.

Émile Huchet - Merbette, France © Nicolas Dohr

Green Hydrogen



Flexible and sustainable, green hydrogen serves as a central element of decarbonizing the European economy.

Due to the electrification of sectors such as mobility and industry, global energy consumption is projected to grow by 50% by 2050. Therefore, transitioning global energy production from fossil to renewable energy sources is paramount. But not all industry sectors can easily be electrified. This is where green hydrogen, as a flexible and sustainable energy carrier, comes into play – eventually replacing natural gas.

Our team at QENERGY is working intensively on new solutions and cooperation opportunities in the field of green hydrogen. Solar PV, wind and storage solutions play vital roles in powering the growing electrolysis capacities in Europe.

Beyond producing green energy and our green hydrogen efforts, we strive to create synergies with other business sectors – namely offshore wind – and with our mother company Hanwha Solutions – a leading player in the energy, chemical and material industries, whose mission it is to deliver sustainable solutions for all, from energy to materials.

Green hydrogen for industrial applications

Green hydrogen will also play the main role in the decarbonisation of industry sectors that currently still run on oil or natural gas, e.g. in refineries, ammonia production plants, metallurgy, food and glass industries, as well as other branches of the steel and chemical industries.
The main advantages are:

- **Stable energy price over time**
- **Low carbon footprint**

Green hydrogen for the transport sector

The advantages of green hydrogen to the transport industry are manifold:

- **No local pollution**
- **Long-term energy autonomy**
- **Rapid hydrogen refill in less than 5 minutes**
- **Users profit from stable energy prices over time**
- **Low carbon footprint**

Active ESG Management aligned with our purpose

We aim to empower a sustainable world with green energy. It´s what makes us proud and drives us every day. In line with our purpose, we actively manage the environmental, social, and corporate governance (ESG) aspects of our company.

Our ESG directions are defined based on leading ESG frameworks, and we also carefully consider our customers' ESG requirements. While we prioritize certain projects, we strive to maintain a consistent management program for each direction.

To steer our ESG program we have established a dedicated governance structure, coordinated by our international ESG team. Senior management and business units are engaged to support the implementation of measures and the review of results. The Board, including the CEO, regularly reviews the progress of priority projects, indicators, selected trends, and program direction.

We provide updates about our ESG directions on our website and social media channels. In addition, we publish an annual CSRD-based ESG report.

Our ESG directions

Environmental
Climate protection, resource efficiency and sustainable land use

Social
Diversity, health, people empowerment, human rights, thriving local communities

Governance
Good corporate conduct and governance, responsible corporate culture

Important ESG frameworks we consider

European Commission

SFDR Sustainable Finance Disclosure Regulation

CSRD Corporate Sustainability Reporting Directive

UN Global Compact – United Nations Global Compact

Our ESG management program

- Action areas and KPI
- Standards, processes and ambitions
- Change projects
- Communicate approaches and results
- Engage with stakeholders and analyse trends

Promoting and enabling responsible behavior among employees is essential to us

Promoting a corporate culture that encourages and enables responsible behavior is an essential part of our ESG management approach and a significant contribution to sustainable development. We place particular emphasis on sustainable mobility, the education of future generations and a healthier working life.

Annual sustainable mobility week

Education of future generations

Annual quality of life at work week

Support for Ukraine

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18 09 2025