PRESS RELEASE

InnoEnergy's portfolio set to reduce global CO_2e emissions by 2.3 gigatonnes by 2030

Eindhoven, 3 June 2025

A new report by InnoEnergy, the impact investor industrialising clean tech innovation, reveals that the cumulative impact of its portfolio of start-ups and scale-ups is projected to save 2.3 Gt of CO_2-equivalent emissions by 2030. This is comparable to removing 534 million internal combustion engine vehicles from the road for one year and represents close to 80% of the total greenhouse gas emissions recorded by the EU27 in 2023.

As Europe navigates a shifting geopolitical landscape, the report underscores the importance of retaining and scaling clean tech innovation domestically. This is essential to delivering on the 2050 net-zero targets, and securing Europe's long-term strategic autonomy.

"Now is the moment for Europe to lead," said Elena Bou, Co-Founder and Innovation Director at InnoEnergy. "We have regulatory certainty, strong political commitment, and a growing pool of proven clean tech solutions. They are on track to deliver significant emissions reductions, create thousands of green jobs, and strengthen Europe's industrial base. What's needed now is a focus on industrialising these technologies and scaling them into global players."

In addition to the environmental impact, the report highlights strong economic results. By the end of 2024, the portfolio had generated €943 million in cumulative revenue and had raised €34 billion in cumulative investment. By 2030, it is expected to deliver €13.5 billion in energy costs savings. Further demonstrating the portfolio's far-reaching impact, by the end of 2024 it had created over 47,000 jobs and enabled access to energy for 2.9 million people in developing countries.

"The energy transition is no longer a question of when, but how fast. With 15 years of demonstrated impact and a strategic position at the heart of Europe's clean tech ecosystem, InnoEnergy is central to uniting industrial, political, and financial players to accelerate clean tech champions," commented Bou. "Our portfolio shows that what once came with a 'green premium' is now competing, and often winning, on cost and performance. These are not just cleaner technologies; they're smarter, faster, and better ways to meet rising energy demand."

Since its inception, InnoEnergy has evaluated over 9,000 startups, supporting more than 540 companies, four of which have grown into unicorns. With a portfolio survival rate of 89%, and the same percentage exporting their products globally, the data highlights strong resilience and international demand for European clean energy solutions.

The full "InnoEnergy Impact Report 2024" is available for download here.

ENDS

Featured portfolio companies

Altris

Altris's sustainable, commercial-sized sodium-ion battery cell has proven an energy density of 160Wh/kg and has a capacity of over 160 mAh/g, the highest capacity of its kind. By 2024 the company had created 60 direct jobs and is on track to avoid 240Kt CO_2-equivalent emissions by 2030.

www.altris.se

ecop

ecop boosts data centre efficiency with advanced rotation heat pumps. For example, it can produce around 1.3MW heat at 85°C with only 83kW more electrical energy consumption compared to a conventional chiller whose waste heat is typically released into the environment.

www.ecop.at

FertigHy

FertigHy is the world's first large-scale fossil-free fertiliser production plant. By using low-carbon hydrogen technology when producing ammonia for fertilisers, FertigHy aim to reduce CO_2 emissions by 80-90%. They are projected to avoid 1Mt CO_2-equivalent emissions by 2030.

www.fertighy.com

Hepta

Hepta Insights offers dual-use capabilities by digitising and monitoring critical energy infrastructure. The AI-enhanced platform enhances the resilience and situational awareness of energy networks, supporting both civilian reliability and strategic defence needs.

www.heptainsights.com

Holosolis

Holosolis is poised to play a pivotal role in restoring Europe's energy sovereignty by launching the continent's largest solar photovoltaic manufacturing facility (5GW). It is forecasted to avoid 14Mt CO_2-equivalent emissions by 2030.

www.holosolis.com

Hysun

Hysun offers a unique photo-thermo-catalysis process, which produces 100% clean hydrogen with zero emissions. The company are forecasted to generate 525GWh of clean energy and avoid 141.7Kt CO_2-equivalent emissions by 2030.

www.h2hysun.com

Rosi

ROSI's recycling process, which extracts high-purity raw materials from end-of-life PV panels, is proven to have 90% impact savings compared to conventional production activities. The company recycled 5t by December 2024, and are forecasted to avoid 85.1Kt CO_2-equivalent emissions by 2030.

www.rosi-solar.com

SeaQurrent

SeaQurrent's TidalKite™ system '3D-harnesses' energy from tidal and ocean currents, capturing up to 3x more energy than other tidal technologies. It is forecasted to generate 69.5K GWh of clean energy and avoid 264.4Kt 3Mt CO_2-equivalent emissions by 2030.

www.seaqurrent.com

Skeleton

Skeleton's supercapacitor offers 2x higher power density and a 50% smaller footprint compared competitors. The company created 317 jobs by 2024 and is forecasted to avoid 1.3Mt CO_2-equivalent emissions by 2030.

www.skeletontech.com

Stockholm Water Technology (SWT)

SWT's electro-capacitive water cleaning technology significantly reduces the energy consumption for water treatment. It is projected to save 77B Litres of water and avoid 1.49Mt CO_2-equivalent emissions by 2030.

www.stockholmwater.com

IMPACT REPORT MEASUREMENT

The impact measurement approach for this report is twofold: first, all our portfolio companies' contribution to the SDGs. Second, the quantification of impact metrics (economic, social, and environmental) aggregated from all companies in our portfolio which received support from InnoEnergy from 2023 to 2024. Companies that left our portfolio before 2023 were not considered in this reporting cycle, but new early-stage companies joining our portfolio were included.

The timeframe considered in the calculations is 2030 for cumulated environmental-related impact indicators, while realised impact has been considered for economic and social dimensions. The figures presented in the report are based on data directly provided by the companies in our portfolio as of 31 December 2024. An internal team reviewed and challenged the data, which was then aggregated and consolidated afterwards.

Outliers were not considered to avoid distorting the final aggregated numbers. When some environmental indicators were unavailable directly from the company, different measurement tools were used in conjunction with the company when possible and complemented with public sources of information when available to present more comprehensive results.

ABOUT INNOENERGY

Transitioning global energy. Transforming every industry.

InnoEnergy is industrialising clean tech innovation to enable and grow a global net zero economy. Active in Europe and the US, the company invests in early-stage start-ups and the current and future workforce, building resilient clean tech value chains that drive sustainable economic growth. Through its ecosystem – with 1,400 partners including 39 shareholders spanning industry, finance, public policy, and academia – the company scales the energy transition at speed.

Since 2010, InnoEnergy has supported 540+ companies, helping to grow 4 into industrial unicorns. These companies have raised more than €34 billion, created 47,000 jobs, and secured €943 million in revenue. They are also on track to reduce 2.3 gigatons of CO2e and save €13.5 billion in energy costs by 2030. Currently, InnoEnergy is invested in 160+ start-ups and scale-ups.

In support of the EU's climate and industrial goals, InnoEnergy leads industrial alliances in batteries and solar, and accelerates the uptake of green hydrogen. Pinpointing market gaps, InnoEnergy launches new industrial champions, in sectors including batteries, steel, and fertilisers.

InnoEnergy was established in 2010 by the European Institute of Innovation and Technology (EIT), a body of the European Union, as one of its first Knowledge and Innovation Communities (KIC). In 2025, the EIT and InnoEnergy entered into a new partnership, where they will continue collaborating on specific projects.

www.innoenergy.com