



# Accelerating sustainable energy innovation





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Cover image:  
Clean Energy Colours the Earth, The Netherlands,  
by Robbert Frank Hagens



## Catalysing and accelerating the energy transition

EIT InnoEnergy brings people and resources together, catalysing and accelerating the energy transition. New ideas, products and solutions that make a real difference, and new businesses and people to deliver them to market.

We engage at every stage of the journey – from classroom to end-customer. Operating at the centre of the energy transition, we build connections worldwide, bringing together innovators and industry, entrepreneurs and investors, graduates and employers.

### Our bespoke support to accelerate sustainable energy innovation, knows no borders or boundaries

- Industry are linked with innovation and alumni, providing commercially attractive technologies spanning the energy value chain, and top talent to enhance innovation.
- Start-ups, scale-ups, and innovators receive tailor-made support to boost and de-risk business cases and speed up time to market.
- Students and learners have access to eight master's programmes at 16 top technical universities and business schools, as well as online and blended courses.

### As a result, in just ten years we have built the largest sustainable energy innovation ecosystem in the world

- €560 million has been invested into more than 480 sustainable energy innovations, all on track to generate €16 billion in commercial revenues.
- 90% of our start-ups already work with global brand names including ABB, BMW, EDF, Engie, Tata Steel and Vattenfall.
- Our EIT InnoEnergy Master School has attracted students from almost 100 countries. We now have 1,200 graduates and 1,500 students enrolled.

Our rich network of more than 500 key players from 18 different countries enables us to be a key vehicle for the energy transition. Together we make up the ingredients needed to bring a constant pipeline of sustainable energy innovation to market – in the following pages, you will learn how we do it.

Diego Pavía  
CEO, EIT InnoEnergy

## About EIT InnoEnergy

# Value added services to mobilise innovation

Innovation is the driving force of EIT InnoEnergy. Everything we do is about providing value for sustainable energy to flourish.



### Market intelligence

We work closely with policy makers and regulators to understand markets and regulation. This gives our innovators the capability to expand geographically and take advantage of support such as accreditations and certifications to comply with local standards.



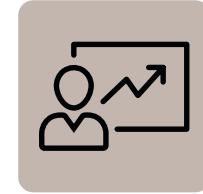
### Supply chain and industrialisation

Our trusted ecosystem provides innovators, investors and industry with access to key players and commercially viable technologies, spanning the entire supply chain. This expertise helps to industrialise the innovations we support, providing industry with a wide spectrum of sustainable energy solutions.



### Customers and growth

We open-up markets and cross borders to identify needs and connect innovators to commercial opportunities. Time to market can be essential to survival, therefore we help you shorten the journey from lab to launch. What's more, our shareholders are among the top players within the energy industry, and quite often support as a first-customer or early adopter.



### Governance strategy

Our experts provide guidance on the strategic direction of the businesses we support. This includes helping companies define their priorities; coaching and advising on technical and business matters; managing stakeholders; and identifying synergies and opportunities for collaboration.



### Technology enhancement

To transform a technology into a marketable product or service we assess its potential, patentability, identify and track possible competitors, and ensure IP is protected. We go on to support with prototype enhancement, product development and pilots and provide access to expertise and R&D infrastructure.



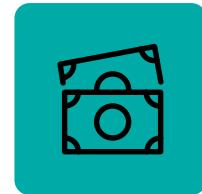
### Regulation

Our team of experts play a pivotal role in the decisions that affect the future of the energy industry. They have their finger on the pulse when policies are in the making – enabling us to provide insights on new regulations which may impact the innovations we support and identify opportunities for sustainable economic development.



### Access to human capital

The makers and shapers of the energy world as we know it today have been people. Therefore, we spur innovation by linking innovators and industry with students and alumni who possess the skills, entrepreneurial ability, commercial awareness and agility needed to drive the energy transition.



### Access to finance

Because our goal is to ensure all innovations deliver a commercially viable product, we don't 'fund and run'. We offer a flexible funding model to suit the changing needs of the products we support. This can then go on to act as a catalyst for further funding from a variety of public and private bodies.



### Social acceptance and citizen engagement

We promote societal acceptance and citizen engagement to disrupt the way we experience energy. We generate inspiration that leads to societal awareness and an understanding of the impact an individual can make. This ultimately leads to changes in regulation, the uptake of more sustainable energy solutions and an acceleration of the energy transition.

We bring together knowledge and experience wherever it is located. Through our global network we reduce time to market, de-risk innovation and create commercially attractive solutions to empower a sustainable energy future.

The power of the network

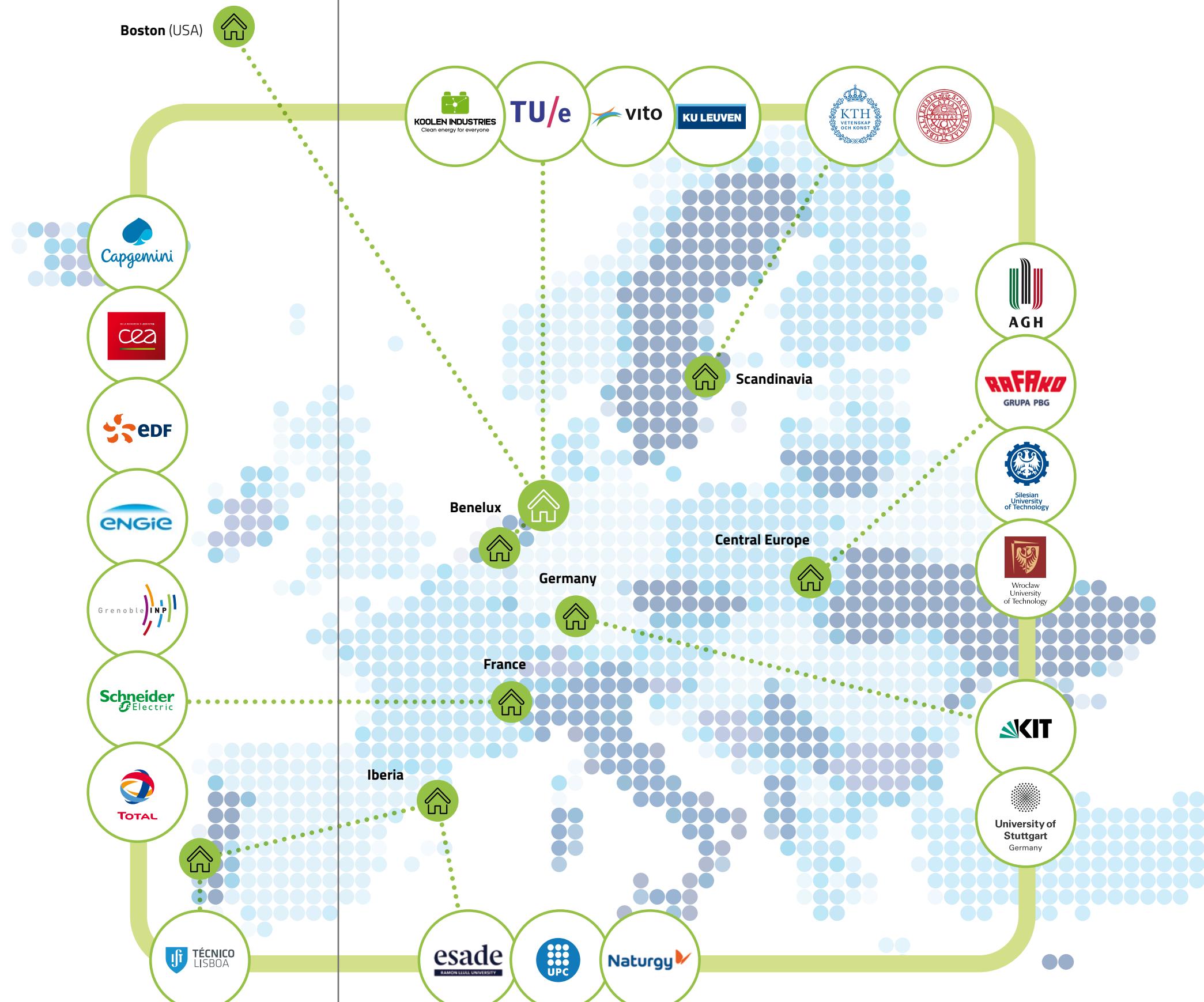
# Building global connections

Our strength comes from our wide network of partners. They are our experts, our service providers, the early adopters of innovative solutions, and the employers of our graduates.

The EIT InnoEnergy network includes our 23 shareholders, as well as 500+ project partners. All of them support our entrepreneurs and innovators with their experience and expertise.

In return, they gain unrivalled opportunities to invest in new ideas and create commercial opportunities for new solutions.

Together our partners represent industry, research, and higher education – and all are key players within the energy sector.



# Structuring the energy value chain in Europe

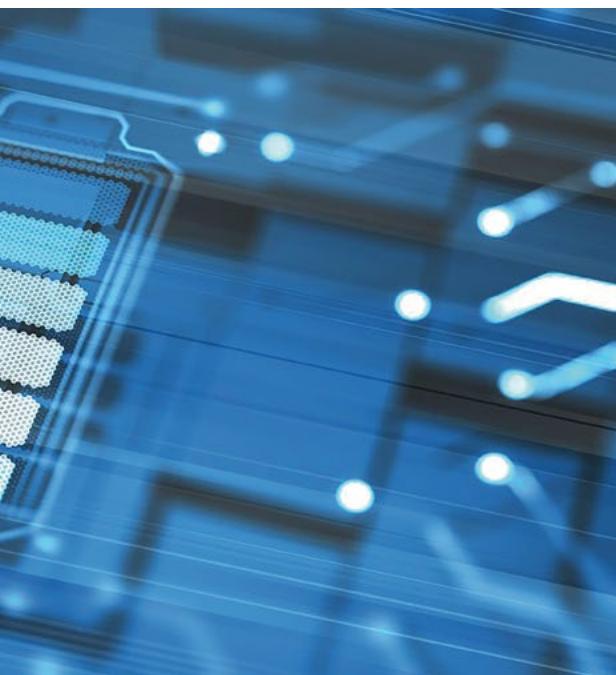
EIT InnoEnergy wants to play a pivotal role in supporting the energy transition and make the decarbonisation of industry a reality. Through the creation of several alliances that bring together all the players in the ecosystem, EIT InnoEnergy intends to foster the development of strategic value chains in Europe, and create the necessary conditions to support big industrial projects, ultimately leading to our goal of a carbon neutral Europe by 2050.

## Battery industry value chain with the European Battery Alliance

With the electrification of mobility and the energy industry, the need for efficient batteries – for transport, power and industrial applications – is growing fast and at an increasing pace.

The European Commission launched the European Battery Alliance in October 2017 to address this industrial challenge. The annual market value is estimated at €250 billion from 2025 onwards. For Europe, the establishment of a complete domestic battery value chain is imperative for a clean energy transition and a competitive industry.

The industrial development programme of the European Battery Alliance, the EBA250, is managed by EIT InnoEnergy. Today, EBA250 is a project-driven community which brings together more than 500 industrial and innovation actors, from mining to recycling, with the common objective to build a strong and competitive European battery industry.



## Green Hydrogen value chain with the European Green Hydrogen Acceleration Centre

Green hydrogen can be key for solving the issue of the intermittency of renewable, and it is key to reach the European Union's goal to be fully carbon neutral by 2050. From a systemic view, green hydrogen also provides the opportunity to couple the electricity grid with the gas grid.

EIT InnoEnergy is committed to **developing a green hydrogen economy in Europe and has launched the European Green Hydrogen Acceleration Center** with the support of Breakthrough Energy and the world's top tech and business leaders to speed the transition to a clean energy future.

The European Green Hydrogen Acceleration Center (EGHAC) will manage several workstreams, including:

- Promotion and co-creation of industrial projects across the value chain
- Building connections with other industrial and energy value chains
- Acceleration of technology development
- Stimulation of market growth
- Societal acceptance
- Addressing the skills gaps

The most urgent near-term priority of the EGHAC is to close the price gap between carbon-emitting technologies and green hydrogen, which would drive substantial displacement of hydrocarbons in energy intensive industrial applications (i.e. steel, cement, chemicals), heavy transport (i.e. maritime and heavy duty), and fertilisers. Green hydrogen can also be used to store energy, which makes it a key enabler for the expansion of volatile renewable sources, in particular wind and solar energy.

Learn more at [www.eghac.com](http://www.eghac.com)



# Security, cost and carbon: the triple energy challenge



Developing a sustainable energy sector is one of the biggest challenges facing the world today.

**We must ensure supply to all our citizens – without compromising safety.**

**We need alternatives to depleting fossil fuels that can still satisfy the changing demands of a growing population – and ensure that no one falls into fuel poverty.**

**We need to reduce carbon emissions – while remaining competitive with the rest of the world.**

There is no single solution that can overcome all these issues. So the energy sector will become more diverse. A range of products and solutions will be needed, each one addressing a different aspect of the energy challenge.

That is why we are working with innovators and industry in eight critical thematic fields.



## Energy for circular economy

Joint efforts to establish a sustainable, secure and competitive energy supply are needed to combat the inter-related challenges of climate change.

As such, we are encouraging innovations in:

- Feedstock sourcing technologies
- Energy conversion technologies
- Smart grids for energy carriers
- Logistics, transportation and distribution
- Smart heat grids
- Air quality and sustainability of conventional energy sources
- Fossil sources decommissioning technologies



## Energy storage

The way we generate, transmit and distribute power is changing. Energy storage has a vital role to play in the transition to a sustainable energy system. We are encouraging innovation in large and small-scale storage that will:

- Help integrate renewable energy into the electric grid
- Enable a more distributed and responsive distribution system
- Support business opportunities for new actors in the energy system

## Energy efficiency

Reducing consumption at home and at work is still the most cost-effective way to reduce carbon emissions and improve energy security and competitiveness. We are encouraging innovation in two areas that together account for more than 50 per cent of the EU's energy consumption, and at least 33 per cent of its CO<sub>2</sub> emissions:

- Energy efficiency in buildings
- Energy efficiency in industry



## Energy for transport and mobility

The transport and mobility sector is responsible for about 1/3 of Europe's energy consumption and 1/4 of overall greenhouse gas emissions. To challenge this we are fostering innovations in:

- Zero-emission drivetrain
- Autonomous driving technology
- Innovative transport concepts
- Energy provision infrastructure
- Mode-shifting new mobility services

## Renewable energies

Renewable energy sources play an essential role in reducing dependence on fossil fuels and creating energy autonomy. We are encouraging innovation that:

- Improves the production, penetration and profitability of renewable energy
- Continues to develop all forms of solar technology
- Improves reliability, accuracy and integration of onshore and offshore wind
- Increases performance, lifespan and scalability of wave power



## Smart and efficient buildings and cities

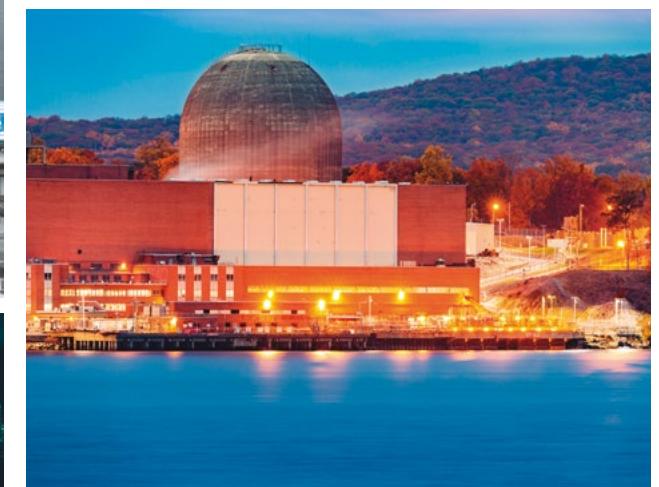
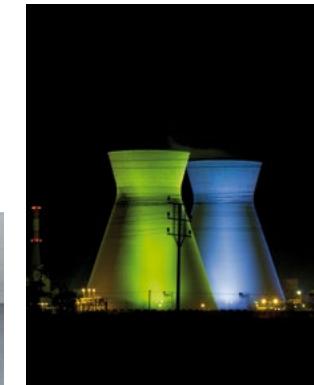
Forty per cent of the world's energy is consumed in the built environment. Energy-efficient buildings and cities are key to sustainable development. We are fostering innovation that:

- Enables energy-positive homes and commercial buildings
- Encourages energy-saving behaviours at home and at work
- Supports a smart and sustainable transport system

## Smart electric grid

The electric grid is increasingly becoming a critical part of the transition to a sustainable energy system. Increased use, intermittent generation sources, and new regulation put strain on the system. Therefore, we are encouraging new solutions that:

- Enable the hosting of new services, technologies and business models
- Enable information, communication and analytic capabilities on a large scale
- Support enhanced cyber-security and critical infrastructure protection



## Nuclear instrumentation

Nuclear power remains an important part of a sustainable energy mix, with 60 nuclear reactors under construction around the world. We support innovation in nuclear instrumentation that:

- Improves control and command systems, instrumentation and measurement to ensure reliability and performance
- Enables materials, structures and radiation to be monitored under the most extreme conditions
- Supports non-destructive testing and informs decision-making to prolong the life of reactors



480+  
Products and services

27  
Market segments

30+  
Solutions in storage

90%  
of our start-ups  
work with corporates

1200+  
Graduates to enhance  
your talent pool

## For industry

# Privileged access to a portfolio of innovative energy solutions

The energy system is changing rapidly. Driven by the demands of society and by the constraints of legislation, new business models are emerging along with a transformation in the way consumers use energy. Only those companies that remain alert will be able to anticipate future trends and become prime movers. At EIT InnoEnergy we give you access to innovative energy solutions that have the potential to make a global impact.

Within our portfolio you will discover cutting edge technological solutions to enhance your product portfolio, as well as new opportunities and business models for your company.

What is the added value for your company?

- Gain a competitive advantage
- Reduce your time to market
- Open up to new business models
- De-risk your investment in new innovations
- Comply with sustainability requirements

Our portfolio of solutions spans across the whole energy value chain. The products are clustered by market segments so that you can easily find the most relevant solutions for your company.

### The market segments covered by our portfolio include

#### Electricity and heat production

- Solar PV
- Onshore Wind
- Off-shore Wind

#### Grid and infrastructure

- Power DSO
- Power TSO
- Energy Storage

#### Energy consumption: end user

- Residential buildings
- Non-Residential buildings
- Industry

#### Feedstock and Fuels

- Bioenergy & Waste to energy
- Hydrogen & e-fuels
- Renewable Gas & Biofuels

Check the whole list of market segments and all the sustainable products available for your company at

[https://www.innoenergy.com/discover-innovative-solutions/  
sustainable-products-services/](https://www.innoenergy.com/discover-innovative-solutions/sustainable-products-services/)



*"EIT InnoEnergy's products  
have enabled us to stay competitive  
in the energy transition."*

**Sylvain Paineau**, EMEA Open Innovation  
and Business Incubation Director, Schneider Electric



## For Innovators

# Connecting ideas and industry, innovators and business partners

A sustainable energy sector needs new products, new solutions and new services. But transforming the spark of an idea into a successful product can be a long and complex journey. Technical expertise, commercial awareness and access to a variety of skills and resources are critical.

We simplify and shorten the journey from lab to launch. We focus on developing and investing in innovative and commercially viable products and solutions, and we finance multi-skilled partnerships that significantly reduce the risks of product development.

We provide researchers and inventors with access to a deep pool of complementary skills and resources, and connect them to markets and commercial opportunities. Our collaborative model encourages businesses of all sizes to participate in innovative partnerships, consider new ideas and support new research.

Our expertise and network enable us to:

- Find complementary partners to support the development of new products and solutions
- Identify market needs and potential customers
- Shorten the time to market for innovative ideas
- Turn prototypes into commercial products within five years

By investing in engaged researchers, innovative ideas, and viable products and solutions we are expanding the circle of innovation and driving forward the energy transition.



*"EIT InnoEnergy is the gateway to the largest and most valuable innovation ecosystem in Europe."*

**Peter Carlsson, CEO and co-founder, Northvolt**

# Partnerships that turn prototypes into commercial products

Transforming a great idea into a viable solution requires a range of skills and resources. Innovation Projects from EIT InnoEnergy is all about bringing together partners to create individual projects that can deliver results.

## How it works



We provide support to researchers, inventors and innovators in four key areas:

- **Value:** By connecting businesses of all sizes with researchers and inventors, we give the energy industry the opportunity to invest in ideas that will add value to their businesses, and enhance commercial opportunities for new products.
- **Protection:** Because we invest our own resources in new product development, and engage potential customers at the beginning of the process, we establish an environment that protects the intellectual property of all our partners.
- **Support:** We offer technical and commercial support, and ensure that complementary skills and resources are available to each project.
- **Returns:** We invest in a variety of lab-tested prototypes and proofs of concept, which gives us a strong interest in the commercial success of every project. We also seek out further funding for each project – and we only get a return on our investment if the project is a commercial success.

# Proven products and solutions to enhance the bottom line

EIT InnoEnergy's help innovators turn their ideas into valuable commercial products. Here are just three examples.



Courtesy of Principle Power. Artist: Dock90

### WindFloat *Floating foundation for offshore wind turbines*

Principle Power is a global energy technology and services company. The Company's proven and in-demand WindFloat® floating technology is unlocking offshore wind potential worldwide by enabling projects to harvest the best wind resource, irrespective of water depth or seabed condition. Principle Power acts as a trusted partner to developers, independent power producers, utilities and EPCs, supporting its customers throughout the entire lifecycle of their projects. With over 100 MW under construction and advanced development in Portugal, Scotland, and France, and a multi-GW commercial pipeline globally, Principle Power is the market leader in floating offshore wind technology. In addition to investing €4 million in the project, EIT InnoEnergy has worked



### Skeleton Technologies *Next generation ultracapacitors*

Principle Power saves energy with its market-leading ultracapacitors, ultracapacitor modules, and full energy storage systems. The technology enables companies to reach significant energy savings in a wide variety of industries ranging from automotive all the way to renewable energy. EIT InnoEnergy has supported Skeleton Technologies on two innovation projects, which will ultimately enable the launch of the first industrially produced Curved Graphene ultracapacitor cell to the market. This will bring significant improvements on the cost/performance ratio of the product compared to traditional carbon-based capacitors currently in volume production.

Apart from the technical developments through the innovation projects, EIT InnoEnergy enabled Skeleton Technologies to access business relationships with leading European industrial companies, technology and market expertise as well as several public and private financial players.



### Hardt Hyperloop *The future of transportation*

The Hyperloop will provide a sustainable, CO<sub>2</sub>-free way of transport and offers an alternative for short-haul flights. It is a safe and fast way of transportation.

Originating from Delft University, Hardt was the winner of the first international hyperloop competition from Elon Musk in 2017. Following this, the team decided to make hyperloop a reality with the help of EIT InnoEnergy, which invested €5 million of funding in 2018. Since then, Jacob Ruiter (CEO-Benelux) and Lucienne Krosse (Thematic Leader-Smart and Efficient Buildings and Cities) have been valuable in introducing the Hardt team to potential partners and investors.

Hardt Hyperloop is now a global frontrunner in hyperloop transport technology and the initiator of the European Hyperloop Center, which will be open to hyperloop developers from all over the world to test this revolutionary transport system.



380+

Start-ups supported

330+

Start-ups selling

294+

Million euros of external investment raised

5.5m

Tonnes of CO<sub>2</sub> saved

3x

Average increase in business value

809

Million euros savings in energy costs



## For start-ups and scale-ups

# Connecting entrepreneurs and start-ups to markets and customers

The drive towards energy sustainability demands new businesses to enhance and expand the energy ecosystem. The possibilities are new, but the challenges of starting a new business and taking new products to market remain the same.

We help new start-ups and entrepreneurs create successful, sustainable businesses that bring valuable solutions to a global market.

We assess business ideas, provide tailored business services to owners and entrepreneurs, connect start-ups to capital and seed-funding, and invest our own funds and expertise in return for a financial stake.

We provide start-ups with access to a proven business development model. Our global network of industry partners, universities and research centres provides an invaluable source of expertise and guidance.

Through our network, we are able to:

- Perform due diligence on every proposed solution to establish its potential
- Provide access to appropriate technical expertise as well as funding
- Offer access to laboratories and technical platforms to develop proofs of concept
- Find the all-important first customer that sets a business on the path to success

The result is viable technologies, sustainable businesses and an entrepreneurial spirit that encourages new ways of thinking.



*"EIT InnoEnergy really helped us scale-up internationally. They helped us find the right partners and increase our impact. We look forward to working with them to scale-up further and internationalise."*

**Theresa Steininger, CEO, Wohnwagon**

# Supporting you from business plan to first sale

We support every one of our start-ups with individually tailored services through the EIT InnoEnergy Highway™, our one-stop shop for transforming a business idea into a successful enterprise.

## How it works



Got an idea?  
Contact your nearest  
EIT InnoEnergy office.

We assess your idea based on three criteria: innovation, novelty and technology; market potential; and the capabilities of your team.

Following a positive assessment we assign you a business coach who will help design a roadmap for your business with tailored services to match.

Through our network of partners, we provide the agreed services to support all aspects of your project.

We are committed to finding your first customer, and setting you on the path to long-term commercial success.

Once on the Highway, start-ups receive services in four essential areas:

- **Product:** We assess the product's potential, identify and track possible competitors, and ensure IP is protected. We then support the enhancement, development, pilot, and industrialisation of our start-ups' solutions.
- **Market:** We identify gaps in the market, assess the opportunity, and help develop a business case and market positioning. We support business modelling, planning, and commercialisation strategy. And we discover and validate that all-important first customer.
- **People:** We assess each start-up's team and its capabilities, providing training and on-going support and mentoring. We help identify new skills to bring into the business, and help with its legal constitution.
- **Finance:** We provide access to seed money, our venture capital community and our network of business angels. We invest in the start-ups that we believe can make a difference. In return, we acquire an equity stake of five to 15 per cent in the company.

# Investing in the energy transition

EIT InnoEnergy supports start-ups to launch independent businesses. These are some of our most recent successes.



**Solaris Offgrid**  
*Pay-as-you-go solar home solution*



**C-Green**  
*Converting sludge into clean bio-coal*



**Alpinov X**  
*Highly efficient cold power generation*

Solaris Offgrid has developed a B2B software platform to allow essential products and services to be delivered to low-income families on credit. The main use cases are for off-grid energy systems paid overtime via mobile money. However, Solaris has a growing range of assets being delivered and financed through their system, from clean cooking technology to electric bikes.

EIT InnoEnergy has been supporting Solaris since 2016, helping them define their product, finding and testing it with first customers and enabling access to finance and fundraising. In their first-year Solaris had a 94% annual growth rate and raised €1.5M investment. The company has now worked with distributors and manufacturers over four continents, covering more than 20 countries.

*"The key benefits of joining the Highway were building our product, commercialisation and exposure: we raised €1 million from an investor at The Business Booster. As the name says, this is a highway towards building a successful company."*

**Siten Mandala**, CEO, Solaris Offgrid

C-Green is a team of 15 world-class engineers, who have created a solution which turns climate negative sewage sludge and wet biological waste into a valuable resource. Depending on the waste, the resulting bio char may have a value as fuel, soil improvement or as a feedstock for further refining.

EIT InnoEnergy has been supporting C-Green since 2015 and has in place a dedicated team to further accelerate the company's growth and development, which includes market expansion, access to finance, human capital and customers. We also provide governance strategy and high-level marketing and communication to position the product in the EU.

*"EIT InnoEnergy has provided the most valuable support to C-Green in all*

*important dimensions: technology, creation of the team, access to finance and to the market. We look forward to moving together towards commercial success, and creating a great environmental impact around the globe."*

**Erik Odén**, CEO, C-Green

At a time when needs in cold utilities are constantly increasing, Alpinov X has developed and patented a technological core based on an evaporation, condensation, and multiple staged vacuum process for the cold market.

Since April 2017, the company has been working on several prototypes and now has its first cold generator with progressive features, including high Energy efficiency, with a very low consumption, and a wide range of possible applications.

Supported by EIT InnoEnergy since 2017,

we have provided funding, dedicated

HR and recruitment support to help the

team's growth, and commercial training

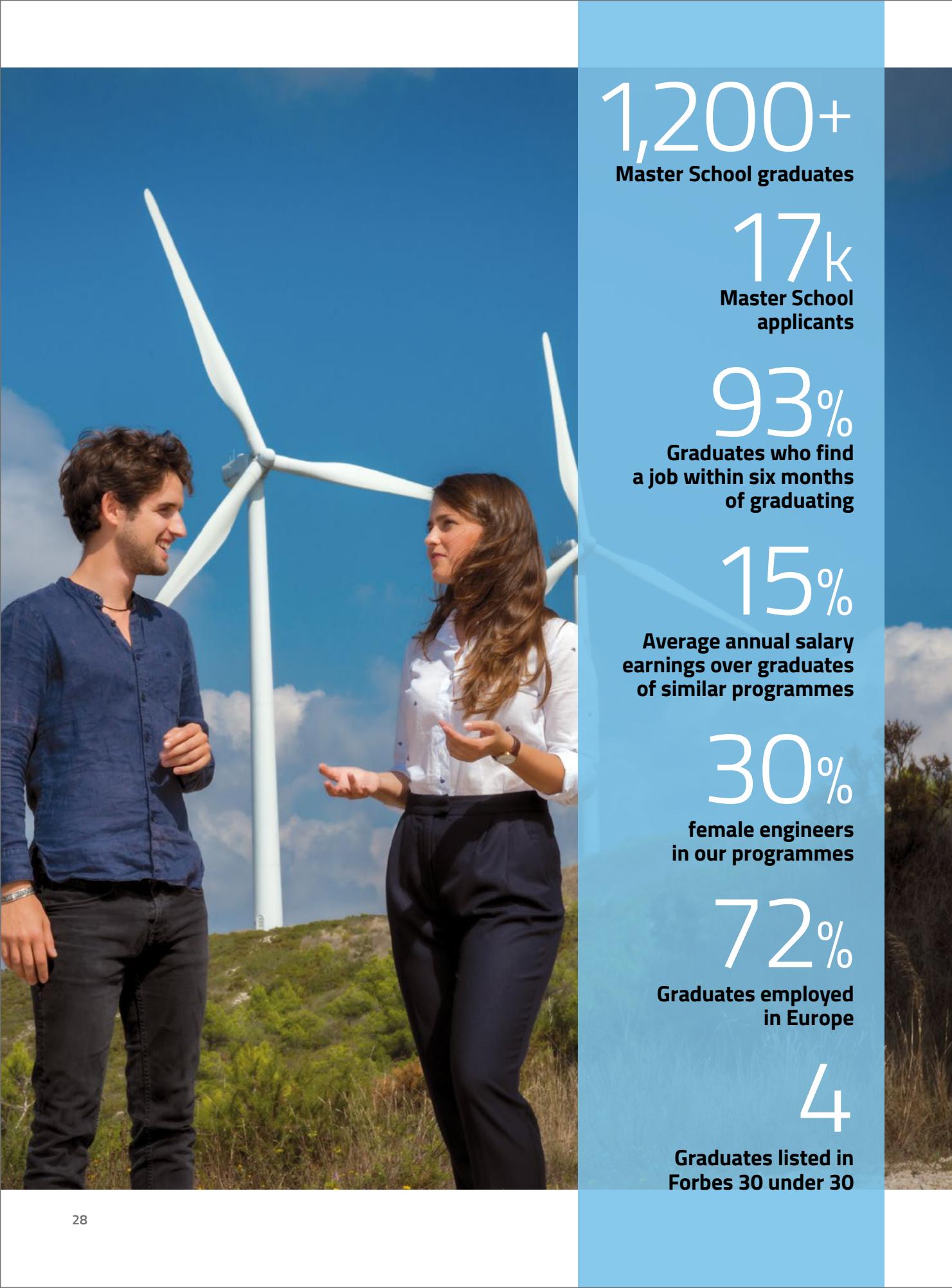
and coaching. We have also provided sales

connections with Schneider, Engie and EDF

(our shareholders), marketing and PR support.

*"The support we have received since 2017 from our historical investor EIT InnoEnergy has exceeded our expectations - from connecting us to key industrials to helping the right talents join our company, we couldn't have asked for more."*

**Thomas Vinard**, CEO, Alpinov X



## For students and learners

# Connecting talent with the energy industry

We need an informed, engaged and ambitious workforce to join the sustainable energy revolution. Engineering and technical knowledge must be combined with commercial awareness and an entrepreneurial spirit.

Through our Education service, we connect the best universities with the best students, the top business schools and first-class employers. Together they help us create an education programme that delivers what the industry and the people working in it need.

Our programmes enable pan-European collaborations and partnerships, and enhance opportunities for employment and recruitment. We offer post-graduate education programmes at Master's level as well as Executive programmes and online courses to encourage innovation and entrepreneurship at every stage of your career.

EIT InnoEnergy is redefining how we think about education.

With our network of academic, research and industry partners we are able to:

- Improve the career prospects of our students and graduates
- Deepen the industry's talent pool and enhance the skills of existing workers
- Encourage innovation, entrepreneurship and commercial awareness
- Increase the competitiveness of Europe's energy sector

The result is smart people who understand what the industry needs and have the skills and connections to deliver it.



*"EIT InnoEnergy had a remarkable effect on improving my professional skills and gaining knowledge on business and innovation."*

**Allen Mohammadi**, (Morocco) Forbes 30 under 30 winner, and MSc ENTECH graduate

# Technical excellence, entrepreneurial and innovation skills, commercial awareness



We offer students the opportunity to enrich their technical skills, their entrepreneurial abilities and their commercial awareness at each stage of their education.

## Master School

We offer a set of Master's programmes that combine engineering and entrepreneurship to address each of our thematic fields. Students join at least two European Universities and business school partners.

In addition to exemplary teaching, we offer students access to summer schools, study visits, internships and projects at EIT InnoEnergy-supported start-ups and business partners.

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## Sustainable Energy Academy

EIT InnoEnergy offers a range of courses for executive students which enhance understanding of the world's energy challenges, industrial perspectives and provide insight into how energy businesses are created.

In addition, we provide courses for professionals who want to advance their careers and companies that want to support continual learning for their employees. Courses are delivered by inspiring professors and industry experts.

## Career Centre

EIT InnoEnergy's Career Centre provides expert professional support to ensure our students make a smooth and empowered transition into the labour market. This support includes a personal development track, a mentorship programme, a dedicated job portal, real-life industry challenges and more.

We also work with established companies and start-ups in their search for the right talent by offering multiple ways to connect with our students who are available year-round.

# Educated individuals, engaged researches, better business

Some of our alumni explain how EIT InnoEnergy's Master School help them build their careers.



*"EIT InnoEnergy prepared me to approach the constantly evolving workplace"*

**Francesco Guzzi**

Account Manager, Tesla Italy

A driving force to succeed in this world is a passion for what you do. Francesco Guzzi's story is a perfect example. His fascination with energy started at an early age and blossomed during his engineering studies at EIT InnoEnergy Master's in the Environmental Pathways for Sustainable Energy Systems. Francesco believes the programme prepared him to land his dream job at Tesla!

*"Sustainable energy is my passion. I believe that sustainable energy is the key to the progress and development of societies. It's critical that the current generation drives towards sustainability, to preserve our planet and ensure a flourishing future for the next generations"* he says.



*"EIT InnoEnergy gave me the tool to be the engineer of the future"*

**Alexandra Ferreira**

O&M Manager, EOLFI France

For Alexandra Ferreira, the time spent at the EIT InnoEnergy Master's programme was full of intellectual and personal growth. After completing a 5-year programme in Biological Engineering, she embarked on a two-year journey: the Master's in Energy Technologies. The programme took her to Karlsruhe, Germany and Grenoble, France. Nowadays, she is an Operations & Maintenance Manager for floating off-shore wind projects in France.

According to Alexandra; *"You can't make any progress in technology without the solid business backing. EIT InnoEnergy programmes are designed to encourage thinking outside the box using hands-on experience. This know-how would not have been possible in a conventional master's."*



*"The Master didn't only teach me technical skills about engineering but also entrepreneurial skills"*

**Simone Accornero**

CEO & Co-founder, FLEXIDAO Spain

Becoming an entrepreneur was never part of Simone Accornero's career plans. After graduating from the Master's in Energy for Smart Cities, Simone became part of a wave of EIT InnoEnergy innovators who are using their engineering smarts and business know-how to tackle some of the most intractable challenges facing the energy industry. His work has earned Simone extensive recognition including the EIT Change Award 2018.

*"One of the great things about EIT InnoEnergy is the idea that research for the sake of research is not enough. You have to think about how your work will have impact in the real world"* he says.

FlexiDAO, Simone's Barcelona-based start-up, is a testament to this.



Solar Lamp by Bernard Il Recido, 4th place winner of the TBB.2019 Photo Contest

## EIT InnoEnergy and the EIT

# Bringing the knowledge triangle to life

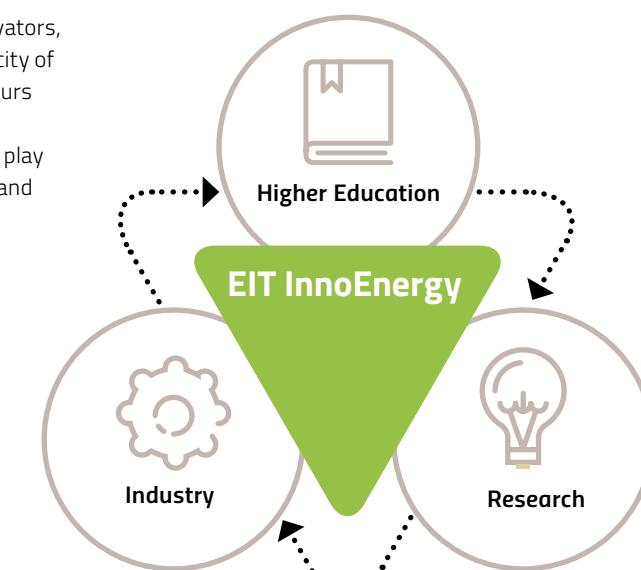
EIT InnoEnergy was established in 2010 and is supported by the European Institute of Innovation and Technology (EIT). Like all Knowledge and Innovation Communities (KICs) established by the EIT, EIT InnoEnergy brings together the three elements of what we call the Knowledge Triangle – higher education, research and industry – to tackle some of the biggest challenges facing Europe today.

By integrating the elements of the knowledge triangle with Europe's entrepreneurs and innovators, EIT InnoEnergy reinforces the innovation capacity of the EU member states, creates the entrepreneurs of tomorrow and prepares them for innovative breakthroughs in the future. Together the KICs play a critical role in increasing sustainable growth and competitiveness in Europe.



### EIT and Horizon 2020

The EIT strongly contributes to the objectives set out in Horizon 2020, the EU's biggest ever research and innovation programme. Horizon 2020 is a key pillar of the Innovation Union, a Europe 2020 flagship initiative aimed at enhancing Europe's global competitiveness. The goal is to ensure Europe produces world-class science, removes barriers to innovation and makes it easier for the public and private sectors to work together in delivering innovation.



# Join EIT InnoEnergy!

“ EIT InnoEnergy had a remarkable effect on improving my professional skills and gaining knowledge on business and innovation.”

**Allen Mohammadi**, Morocco, *Forbes 30 under 30 winner and MSc ENTECH graduate*

“ Energy is a very complex market. Having EIT InnoEnergy as a partner and investor is very helpful for us because they understand what energy is about.”

**Barbera van der Hoek**, *CEO, Watch-e*

“ I want to use my engineering skills to fight climate change.”

**Emiliano Degasperi** *Master's in Energy Technologies student*

“ EIT InnoEnergy helped us not only with money but most important through their European network. We are now selling in 15 european countries.”

**Caroline Deforeit**, *CEO, SteadySun*

“ EIT InnoEnergy's programmes are designed to help improve soft-skills by understanding yourself, your strengths and your weaknesses.”

**Malavika Venugopal**, *Master's in Renewable Energy student*

“ One of the most beneficial things about EIT InnoEnergy is that they are a long term partner and they understand the reality of industrial product development: they're not expecting a quick profit in 12 months like some other accelerators.”

**Jaime Lledó**, *CEO, Tecnoturbines*

“ EIT InnoEnergy really helped us to move from a start-up state and scale internationally to find the right partners and grow our impact and we are now waiting for the next investment round to even scale further and internationalise.”

**Theresa Steininger** *CEO, Wohnwagen*

“ EIT InnoEnergy is not just a shareholder, it's a partner. They provide a well balanced support, being there when we need them and at the same time we can maintain our autonomy.”

**Benjamin de Buttet**, *Sales Manager, DC Brain*

“ EIT InnoEnergy plays a big role in helping us to leverage the wide-reaching network by giving us access to companies, interesting events and the career centre.”

**Chih-Yuan Yao**, *Master's in Nuclear Energy student*

“ We got access to a large polish utility through EIT InnoEnergy's network. Being supported by EIT InnoEnergy facilitated that they trust us. We are now working with them.”

**Björn Berg**, *Chairman of the Board, Ngenic*

Sustainability by Mario Bejagan Cárdenas, The Philippines, TBB:2019 Photo Contest





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