InnoEnergy
Knowledge Innovation Community

EIT InnoEnergy is supported by the EIT, a body of the European Union

Accelerating sustainable energy innovation

PRESS KIT 2020

Accelerating Europe's energy transition

About EIT InnoEnergy

For us, true sustainability also means an industry that's **commercially viable, endlessly innovative,** and highly competitive. We make this possible by helping Europe adopt pioneering new technologies, without risk or complexity.

From mobility to construction - from renewable energy sources to smarter storage - **our commercially-attractive technologies are the product of a trusted ecosystem for sustainable energy.** The result is the proven, landmark innovation you need to reduce energy costs, increase system performance, decrease GHG emissions, create jobs, and increase competitiveness.

Our support knows no borders or boundaries

For students and learners

Our Master's, doctoral and professional programmes help create an informed, ambitious, and highly skilled workforce, that understands the challenges of sustainability and fulfills the needs of the industry.

For innovators

We enable innovators, businesses and customers to create powerful consortia to share expertise, pool knowledge, de-risk R&D and speed the development of commercially viable technologies.

For start-ups and scale-ups

Our accelerator services support the entrepreneurs, early-stage start-ups and growing companies that are expanding Europe's energy ecosystem with innovative, market-ready solutions.

For students and learners

To help create an informed and ambitious workforce that understands what sustainability demands and industry needs.

- Through our education service, we connect Europe's best universities with its best students, the top business schools and first-class employers. Together they help us create an educational 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 educational programmes at Master's level, as well as professional digital learning courses to encourage innovation and entrepreneurship at every stage of your career.

1,200
Graduates from the EIT InnoEnergy Masters School

93%
Graduates who find a job within six months of graduating

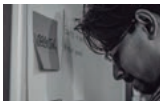
17K
Masters School applicants

15%
Average annual salary earnings over graduates of similar programmes

4
Graduates listed in Forbes 30 under 30

30%
Female engineers

20+
Professional Digital Learning Courses



*All figures correct as of October 2019

For innovators

To bring together ideas, inventors and industry to create commercially viable products, solutions and services that deliver real results.

- We help simplify and shorten the journey from lab to launch. We focus on developing and investing in innovative and commercially viable products or services, 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 across Europe.
- Our collaborative model encourages businesses of all sizes to participate in innovative partnerships, consider new ideas and support new research from across Europe.

500+
Project partners

186
Patents filed

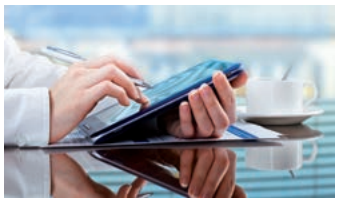
145
Products supported

32
Manufacturing facilities constructed

275.5
Million euros of EIT InnoEnergy investment

5.3
Billion euros in forecasted sales

2.5
Billion euros raised by projects



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For start-ups and scale-ups

To support entrepreneurs and start-ups who are building sustainable businesses that expand and enhance Europe's energy ecosystem.

- Our team help new start-ups and entrepreneurs create successful, sustainable businesses that bring valuable solutions to the market.
- We assess business ideas, provide tailored business services to owners and entrepreneurs, connect start-ups to capital and seed-funding, and expertise in return for a financial stake.
- We provide start-ups across Europe with access to a proven business development model.
- The result is viable technologies, sustainable businesses and an entrepreneurial spirit that encourages new ways of thinking throughout Europe's energy industry.

380+
Start-ups supported

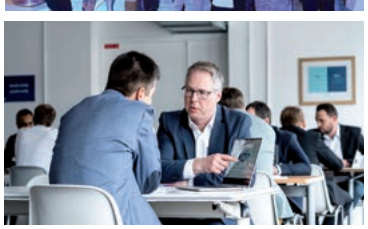
330+
Start-ups selling

3x
Average increase in business value

294
Million euros of external investment raised





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We are working with entrepreneurs, innovators, industry and universities in eight critical thematic fields.

Energy for circular economy

Energy efficiency

Smart and efficient buildings and cities

Energy for transport and mobility

Energy storage

Smart electric grid

Nuclear instrumentation

Renewable energies

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 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% of the EU's energy consumption, and at least 33% of its CO_2 emissions:

- Energy efficiency in buildings
- Energy efficiency in industry

Energy storage

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

- Help integrate renewable energy into the electricity grid
- Enable a more distributed and responsive distribution system
- Improve stability across the grid

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 wavepower

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

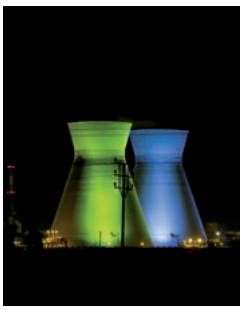
The electric grid is increasingly becoming a critical part of the transition to a sustainable energy system. Increased use, intermittent generation sources, and new regulation put strain on the system. Therefore, we are encouraging new solutions that:

- 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

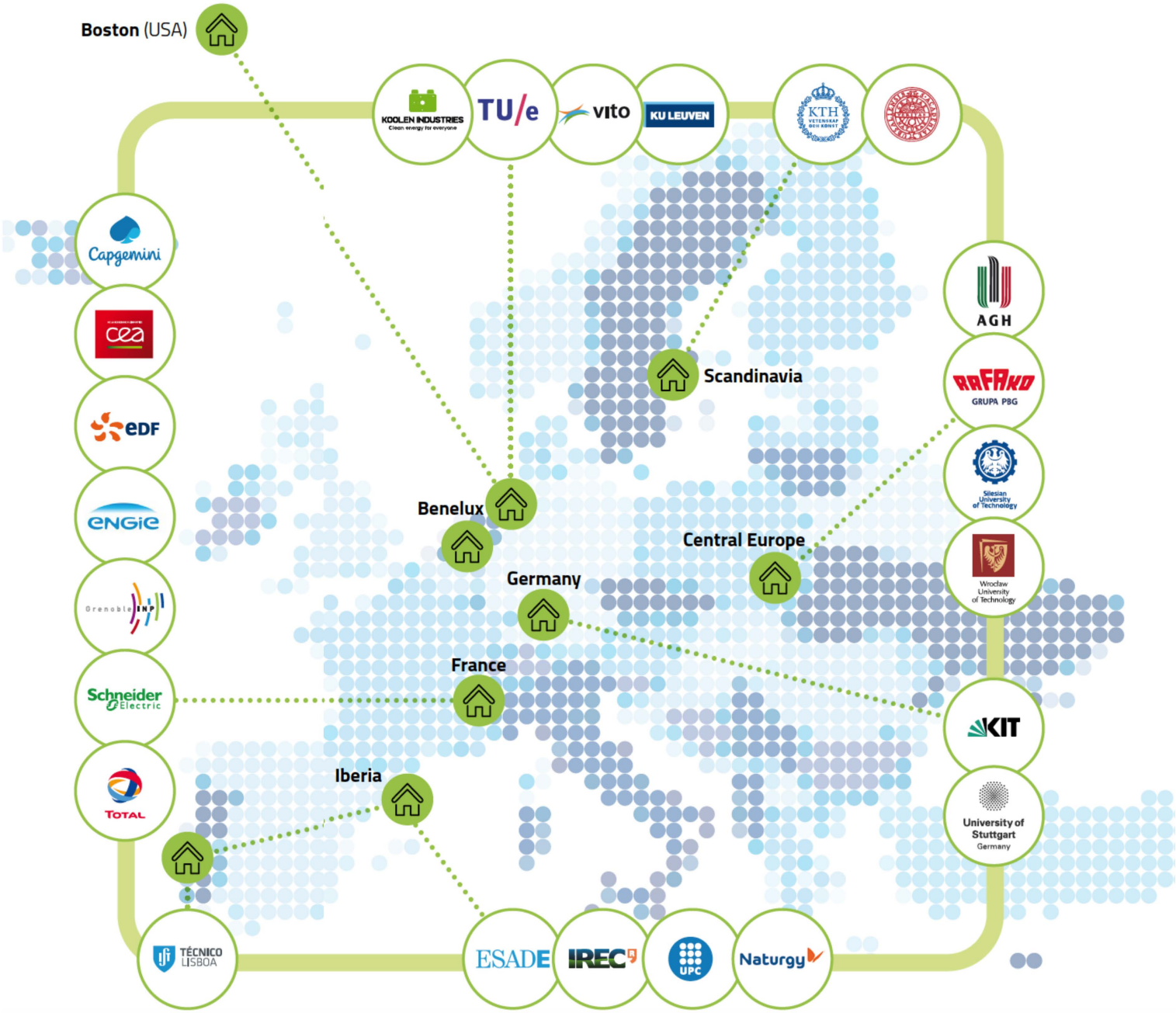


Building global connections

The power of the network

Our strength comes from our 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 24 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.

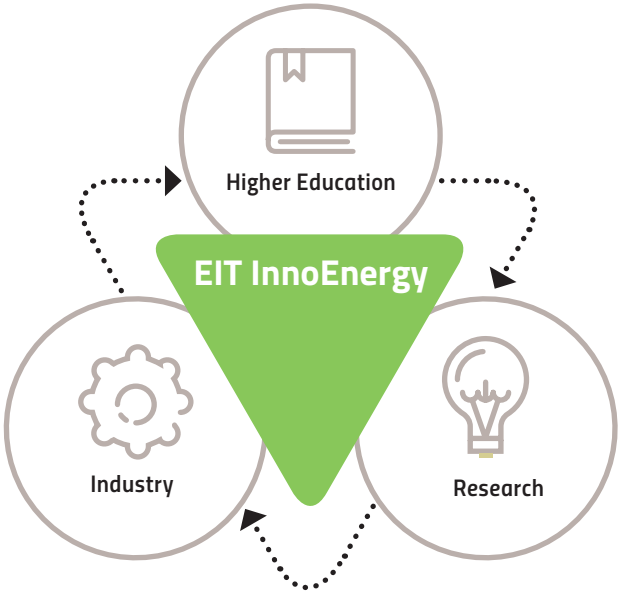
Together our partners represent the best of Europe's industry, research, and higher education – and all are key players within the energy sector.



Bringing the knowledge triangle to life

EIT InnoEnergy and the EIT

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.

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