KIC InnoEnergy PhD School

*Develop your innovation skills*
What is KIC InnoEnergy?
KIC InnoEnergy is...

The European company for innovation, business creation and education in sustainable energy.

We are a commercial company with 27 shareholders that include top ranking industries, research centres and universities, all of which are key players in the energy field.
We are committed to reducing costs in the energy value chain, increasing security and reducing CO2 and other greenhouse gas emissions.

... a positive impact on sustainable energy

Clean Coal Technologies  Energy efficiency  Energy from Chemical Fuels  Electricity Storage  Renewable Energies  Smart and Efficient Buildings and Cities  Smart Electric Grid  Sustainable Nuclear and renewable energy convergence
This is what we do

- Strengthen innovation and entrepreneurship
- Services for the market
- Create companies and jobs

Enabling the sustainable Europe of the future

By courtesy of Vattenfall
This is what we do

- **Creation**: Strengthen innovation and entrepreneurship
- **Education**: Services for the market
- **Projects**: Create companies and jobs

Enabling the sustainable Europe of the future

By courtesy of Vattenfall
What is KIC InnoEnergy PhD School?
A programme with advantages

Complementary education in innovation and entrepreneurship that can be studied as an **add-on to ongoing PhD research**.

**Flexible curriculum** that can be tailored to the needs of the candidates.

Includes courses in **entrepreneurship, innovation and business** connected to sustainable energy.

**Mobility stay** for between 4-12 months.

**Funding** of mobility stay and courses.
... and opportunities for growth

From the Idea to the product

From the Lab to the market

From the doctoral candidate to the entrepreneur
... and mobility

4 to 12 month expenses paid for project at a foreign university or company.

Can be spent at different facilities of the same organisation or in different organisations across Europe.

Possibility to connect the innovation process between different parts of an international organisation.

Financial support for trainings and mobility.
Who is the PhD School for?
PhD candidates

Wishing to add skills in innovation and entrepreneurship to their ongoing PhD research.

Benefits for the candidates

Learn how energy businesses are created and run.

Stay one step ahead when developing new products and services for the market.

Get multi-national perspective thanks to the international mobility across Europe.

Access to a Pan-European network in academia and industry with useful contacts for your future career.
Supervisor in labs

Wishing to boost their innovation capacity by having a PhD candidate committed to innovation in their universities or research institutes labs.

Benefits for the supervisors

The PhD candidates entrepreneurial spirit will catalyse your lab’s power of innovation.

The PhD candidates will also act as a catalyst for additional funding, collaborative research and international collaboration, especially regarding mobility.

The candidates work in turning research results into products and services can generate revenue.

KIC InnoEnergy innovation projects that even extend beyond the end of the collaboration.
Companies in energy industry

Wishing to recruit highly-skilled energy engineers to increase their innovation capacity and thus their competitive advantage.

Benefits for companies

In company PhD training for a lower cost than normal thanks to mobility between facilities in different countries.

It will be easier for your company to recruit top talent combining a high level of expertise with an interest in the industrial market.

Competitive advantage in bringing new products and services to the market thanks to entrepreneurially-minded research staff.
What does the syllabus look like?
Courses and syllabus

Courses in Entrepreneurship, innovation and business connected to sustainable energy.

Flexible Syllabus that can be tailored to each PhD candidate’s needs.

Both in-place and online learning.

Courses and seminars in different locations across Europe.
Energy Economics

Content
Energy geopolitics, nuclear economics, climate policy, new energy markets.

This course presents the ongoing energy revolution by discussing how energy markets are evolving. The objective of this interactive course is to present the deep transformation that the energy sector is going through, explain its roots and discuss the challenges that are resulting from it.

Structure
The course combines lectures with testimonials and company visit.

Location
Grenoble Ecole de Management, Grenoble, France.

ECTS
3 points

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Entrepreneurship Summer School

Content
A program for Business Model Evaluation and Business Model Preparation.

Creative thinking, entrepreneurial finances, marketing for entrepreneurs, intellectual property rights, leading teams, public presentation and pitching.

Structure
Four weeks Summer school with a total of 108h.

Location
ESADE Business School, Barcelona, Spain.

ECTS
7 points
Summary

Complementary education in innovation and entrepreneurship that can be studied as an **add-on to ongoing PhD research**.

**Flexible curriculum** that can be tailored to the needs of the candidates.

Includes courses in **entrepreneurship, innovation and business** connected to sustainable energy.

**Mobility stay** for between 4-12 months.

**Funding** of mobility stay and courses.

Access to a large network of partners from academia and industry.

Clear benefits for candidates, supervisors in Labs and companies that want to develop and connect the different parts of their innovation process.
How to apply?
In three easy steps

1. When can candidates apply?
   All year around.

2. When are the applications assessed?
   Three times a year. Dates and details on our website.

3. When do students receive final decision?
   Notification of acceptance will be sent six weeks after application dead-line.
Application Documents

The doctoral candidate needs to submit the following documents in English.

- Motivation letter
- CV
- References
- Letter of support
- Transcripts and certificates
- Completed application form

Apply online.
www.kic-innoenergy.com/phdschool
Eligible PhD candidates have to...

- Be enrolled as doctoral candidates at a European University.
- At least two years left until defence of PhD thesis.
- Have secured financing for the duration of their PhD thesis.
- Have an interest in
  - Research with an impact in society, improving peoples' welfare.
  - Helping a company or the whole industry being more competitive.
  - Founding a company, either independently or within a corporation.
- Work with a PhD thesis project involving an industrial partner in co-supervision, project definition, internship or financing.
- Work with a PhD thesis project involving international collaboration.
- Work with the full agreement of the supervisors to follow the training programme.
“PhD School has changed my point of view”
Henrique Pombeiro

“A new perspective on engineering”
Mauricio Gutierrez Salas

“A huge step towards reducing CO2 emissions”
Khadija Benis

“See the bigger impact of your research”
Gourav Sen

Read more about the research of our students at: www.kic-innoenergy.com/phdschool
KIC InnoEnergy PhD School

Want to know more?
Stay after this meeting or contact us later.
phdschool@kic-innoenergy.com
www.kic-innoenergy.com/phdschool

Join us! Apply by latest November 2\textsuperscript{nd}

Be a game changer. #engineerglobalchange