KIC InnoEnergy PhD School

European Contact
Isabelle.schuster@kic-innoenergy.com
Marion.Dequicke@kic-innoenergy.com
Fabien.Gauthier@kic_innoenergy.com
KIC InnoEnergy is supported by the EIT

- The EIT is an EU body created to strengthen Europe’s innovation capacity.

- Integration of education and entrepreneurship with research and innovation

- Three KICs (Knowledge and Innovation Communities) created in 2010:
  - KIC InnoEnergy
  - ICT Labs
  - Climate KIC

- Two new KICs created at the end of 2014
  - Innovation for healthy living and active ageing
  - Raw materials

- The EIT is part of Horizon 2020
KIC InnoEnergy Mission

KIC InnoEnergy’s mission is to build a sustainable long-lasting operational framework amongst the three actors of the knowledge triangle in the sustainable energy sector: industry, research and higher education.

The purpose is to secure Europe’s global competitiveness in the field of sustainable energy.

KIC InnoEnergy PhD School transitions

- From the idea to the product
- From the lab to the market
- From the doctoral candidate to the entrepreneur.
KIC InnoEnergy PhD School  T + 4E

- Training-through-research: it is based on high-level scientific work awarded by a PhD degree delivered by the home university.
- Entrepreneurship, Innovation, and Business creation add-on education
- Energy sector needs in mind when designing training
- Experimentation in Innovation with an industrial partner
- European scale training within a Europe-wide network of universities, research institutions and companies (220+ partners)
PhD students enrolled in PhD School

- Perform research in a laboratory/institute within the frame of regular doctoral training at home university
- Follow Entrepreneurship, Innovation and Business training as well as technical training connected to research experience (~2.5 weeks/year)
- Can create ideas for innovation projects where academy and industry work together to develop products and services
- Can boost or implement international collaboration thanks to the 4-12 month international mobility
- Complete the university requirements (ECTS) with a coherent and structured programme thanks to the PhD School training offer
Economic, Scientific and Technological Intelligence

- This programme aims to help PhD students as agents of community-based research to be aware of the peripheral aspects of their research including its possible valorisation in research and in industry.

- Ecological concerns, as well as the sociological aspects, are obviously integrated.

One Vision

Provide PhD students with key resources, reflexes and references
MODULE 1
NOVEMBRE 2013
Integrate global energy issues into my PhD.
Wednesday 13th
Thursday 14th
Friday 15th

NETWORKING
WEEK END JANUARY 2014
Visit the CEA’s battery production line
Gala Dinner in a typical Lyon restaurant
Visit the old city of Lyon
Saturday 18th & Sunday 19th

MODULE 2
JANUARY 2014
Emerging challenges for the energy industry
Wednesday 15th
Thursday 16th
Friday 17th

MODULE 3
JANUARY 2014
Protect, Promote and publicise my research
Monday 20th
Tuesday 21st
Wednesday 22nd
KIC InnoEnergy PhD students after training will be:

- **Experts** in their research domain with scientific skills cross-fertilized with *transverse experience*
- Equipped with mindset and tools for **Innovation** and **Entrepreneurship** based on top level **scientific and technical background**
- Aware of the **technical**, **economical** and societal specifications of the energy sector
- Experienced in solving both **academic** and **industrial** challenges
- Able to work **at international level** thanks to a KIC InnoEnergy European network
KIC InnoEnergy PhD School offering

- Additional funding for already existing PhD position for activities relates to mobility, innovation and entrepreneurship

- Funding of all expenses linked to training modules and scientist conference such as travel, tuition fees, accommodation and allowance.

- Allowance relative to international mobility
  - Max € 15 000 for the PhD student
  - Max € 1500/month (during mobility) for the PhD student
  - 1000€/month for the host institute

- Support of research result into an “innovation project” together with the industrial partner involved.
Application Process

- **When can students apply?**
  All year around

- **When are applications assessed?**
  Three times a year in late Spring, Fall and early Winter
  2015 Spring round, dead line for registration June 15th
  The selected students are invited for an interview during an assessment meeting

- **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 - With names and addresses of two referees.
- Letter of support from the PhD supervisor
- Letter of support / intention from the industrial partner
- Transcripts and certificates of the master’s degree
- Completed application form

The application form can be found on KIC InnoEnergy PhD School website.
Send to: phdschool@kic-innoenergy.com
Eligible PhD Students:

- Are enrolled as doctoral candidates at a European University.
- Have secured financing for the duration of their PhD thesis.
- Have an interest in
  - Research with an impact in society, improving people’s 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

*KIC IE PhD track director is available to help for the design of the project and the application*
PhD School V2: a unique PhD school concept, co-created with industry and academia

- attractive for well-oriented students
- for well-oriented labs and supervisors
- for final employers
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→ Build up a framework shared by industry and academia of the KIC IE PhD graduates’ expected competencies (S&T + EIB + soft skills)

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- Well documented competencies (ILO, ALO, Innovation thesis)
- Convergence with corporate training programmes for PhD graduated new recruits

Necessary conditions (with increased recruitment) for sustainability
PhD School V2: an innovation project as an output of the PhD research work

- “Bridging PhD project” from technology driven project to a product driven project
- Reinforce innovation value with more background

- Funding / co-funding on specific topics from the thematic roadmaps
- Agreement for IP rights management

- Specific training module with practical addressing all the aspects
The French model: “thèse CIFRE”

Convention Industrielle de Formation par la Recherche en Entreprise

- The PhD candidate is hired and paid by the company
- Financial support to the PhD candidate’s salary by the “Agence Nationale pour la Recherche Technologique” ANRT / CIFRE (50%)
- Financial support to the research programme by the “Agence Nationale pour la Recherche Technologique” ANRT / CIR (→ 80%)

- Topic co designed by the company and the laboratory
- Applicant selection
- ANRT evaluation for the project quality and for funding (4000 / year)
- Research and IP rights agreement

- The CIFRE PhD graduates meet fast access to employment with higher salary (+15%)
Do you want to know more?
Get in touch with us!

Isabelle.schuster@kic-innoenergy.com
Marion.Dequick@kic-innoenergy.com
Fabien.Gauthier@kic-innoenergy.com
Welcome to KIC InnoEnergy

PhD School