



InnoEnergy PowerHUB CZ Prague 5

A sustainable energy future for Europe

Prague 5, 30.05.2017 / Petr Bažant

2. Business Creation Services
3. Innovation Projects
4. Education
5. PowerAlliance & Acceleration Primer
6. Tools

Who we are

Europe's engine for innovation
in sustainable energy

Empowering every stage
of the innovation process

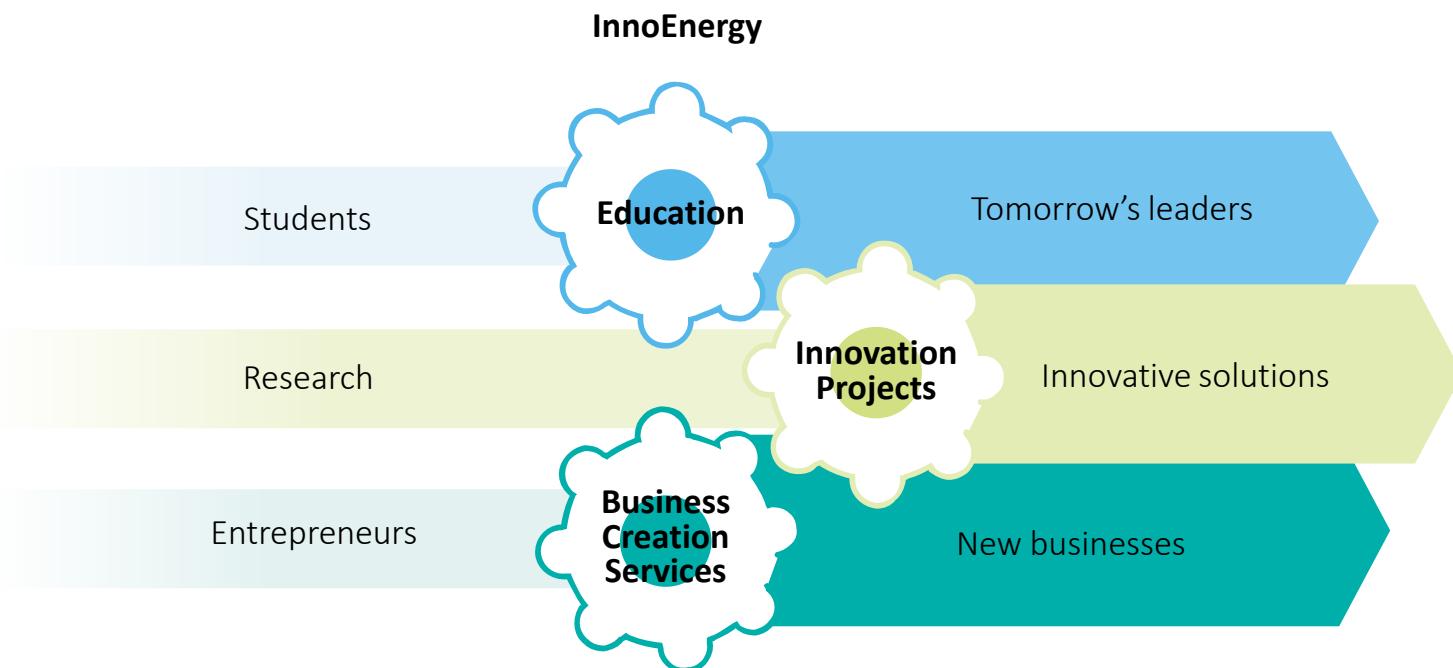
Investing in people,
technologies, businesses

Established 2010:
supported by the EIT

Public-private partnership
aiming for financial
sustainability



The Innovation Engine for Europe



Our goal: sustainable energy

- Ensure security and safety of supply
- Reduce costs in the energy value chain
- Reduce CO2 emissions
- Improve European competitiveness
- Remove barriers to innovation
- Encourage sustainable growth
- Create jobs



Thematic fields and technology focus



Clean coal and
gas technologies



Energy storage



Energy efficiency



Energy from
chemical fuels



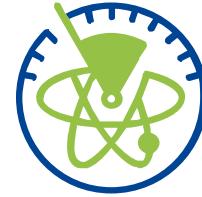
Renewable
energies



Smart and efficient
buildings and cities



Smart
electric grid



Nuclear
instrumentation

Making connections: the power of the network

6 co-location centres

26 shareholders

299 additional
partners

Activities in 17 countries



all figures correct as of March 2017



INNOVATION PROJECTS

BUSINESS CREATION SERVICES

EDUCATION

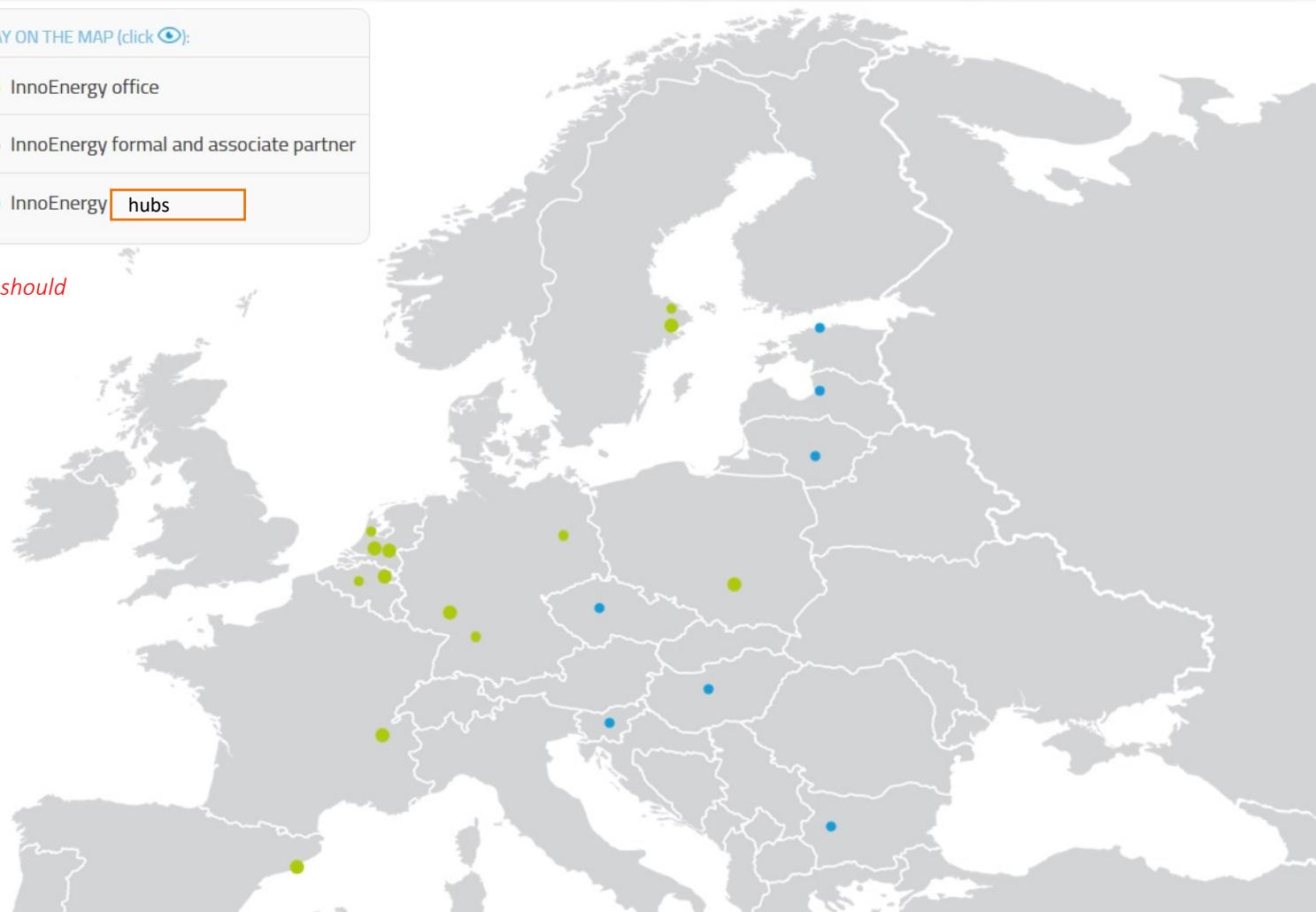
ABOUT US

DISPLAY ON THE MAP (click):

● InnoEnergy office

● InnoEnergy formal and associate partner

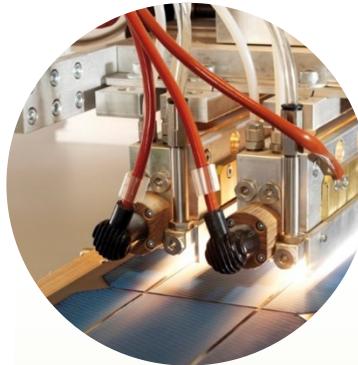
● InnoEnergy hubs



Note:

Both office and Hubs should selected by default

For every stage of the innovation journey



Innovation
Projects



Business
Creation
Services



Education

Entrepreneurial success

Dracula Technologies

***See the light with
printed PV cells***



France

Renewable energy

OpenDomo

***Measuring energy
consumption with
Artificial Intelligence***



Iberia

Smart and efficient
buildings and cities

GRADIS

***A new era
of smart lighting***



Poland

Smart electric grid

171

Early start-ups
supported

95

Companies created

55

Million euros
of external
investment raised

2 144

Business ideas
captured

Connecting entrepreneurs and start-ups to markets and customers



Tailored business support: the InnoEnergy Highway



Product: potential, development, pilot, launch



Market: opportunities, positioning, modelling, planning



People: capabilities, training, support, mentoring

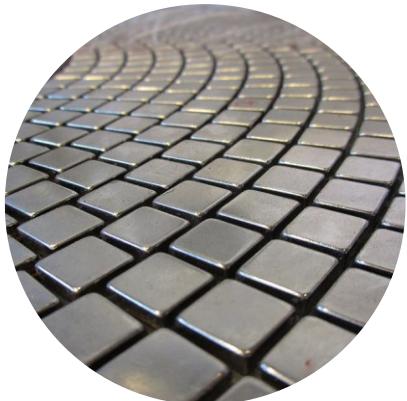


Finance: seed money, VCs, angels, equity

**Viable technologies, sustainable businesses,
entrepreneurial spirit**

Innovation success

HYMES
**Hydroelectric
mechanical
energy storage**



Energy storage

MrCySeMoL
**Cyber security
tool**



Smart Electric Grid

Active Substations
**Proactive
monitoring**



Smart and efficient
buildings and cities

160
Project partners across
Europe

77
Patents filed

78
Products and
services supported

3

Manufacturing facilities
constructed

147
Million euros of
EIT InnoEnergy investment

1.2

Billion euros in project costs

3

Billion euros in
forecasted sales

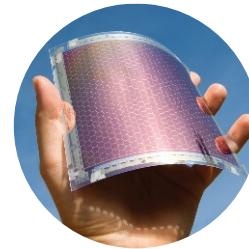
About Innovation Projects



Investing in commercially focused R&D



Finding partners for product development



Turning prototypes into viable products



Shortening time to market



Reducing financial risks of product development



Supporting on-going industrialisation

Combining the best of private and public models

0.5-50
Million €
Project
budget range

0.2-5
Million €
Typical value of
participation

2.6
Million €
Average
project
budget

61%
Average
ratio of
funding

1X
ROI
Expected
within
5 years
of project
completion

5X

ROI
Expected
overall

What is IE Mas

- 12 technical universities
- The biggest Energy school in Europe with 120 companies.
- Innovation and entrepreneurship training
- Summer schools or internships
- Double degree
- Chance for scholarships



Our alumni

"We need to invest more in green power"



Gregory Kotsis,
MSc SENSE
Project engineer at IREC
Barcelona

"Long-term vision is the key to the future"



Roberta Cirillo,
MSc EMINE
Research engineer, CEA
Grenoble

"Versatility, entrepreneurship and international experience"



Joeri Siborgs,
MSc Energy for Smart Cities
R&D project engineer,
Elia Brussels

352

Graduates from the
EIT InnoEnergy
Master's School

9500

Applicants to
EIT InnoEnergy
Master's School

93%

Graduates who find a
job within six months
of graduating

15%

Average annual
salary earnings
over graduates of
similar programmes



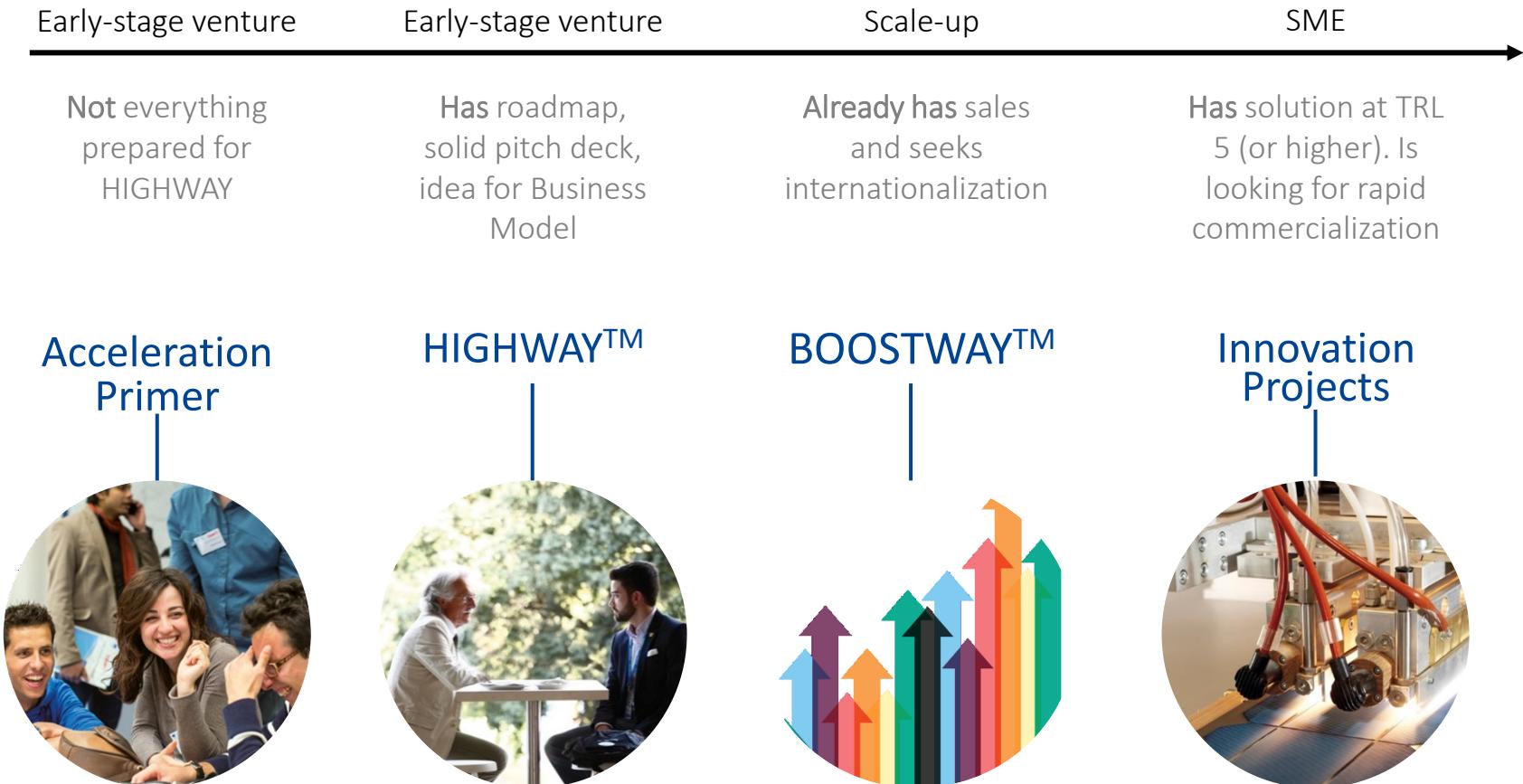
PowerAlliance
by InnoEnergy

PowerAlliance

Toolbox for connecting ecosystems

Power lies in the network – general assumption is that the **PowerAlliance** platform will unlock smooth diffusion of know-how, innovators and investors between dispersed European innovation ecosystems.

For every stage of the innovation journey



InnoEnergy's Acceleration Primer



PowerAlliance
by InnoEnergy

Pre-acceleration/incubation service provided by HUBs, utilizing their know-how and experience, supported by InnoEnergy's tools and methodology.



InnoEnergy's tools:

1. Workbook 2.0
2. Library
3. MOOCs
4. Dedicated materials
5. Primer example

Deliverables after completing Acceleration Primer:

1. Roadmap (BCS Template) *
2. Pitch Deck *
3. Go-to-market strategy *
4. Competitive Landscape
5. Business Model Canvas
6. Proof of interest/LOI

Working prototype is a must-have.



PowerAlliance by InnoEnergy



Worbook v 2.0
(ex-KICStart your
business)



InnoEnergy's
Digital Library



Monthly Meeting
of the Ecosystem



The Annual
Competition

and more..

*(Guiding
Entrepreneurs to
Power)*

*(where we store
more power and
charge people
when needed)*

*(where people
share power)*

*(where you can
power up your
business to a new
level)*

PowerHUB CZ – InnoEnergy HUB Czech

Combining Global Approach and Local Knowledge

- ✓ Innovation projects & PowerHUB for CZ & SK (+V4 & CEE)
- ✓ Deep knowledge of the CEE Market
- ✓ **CROSS OVER FOCUS – Energy / Communications / Mobility**
- ✓ Based at Prague 5 (and cooperation with CITY)
- ✓ ABC PowerHUB US Landing Program

Expanding the circle of innovation for energy and cross over projects in Czech and Slovak

PowerHUB CZ Other Activities

Innovation Centre Services

(Legal, Finance, Accounting, Project Management, Production, Mentoring, Couching, US Landing)

Scouting Projects and Investment tools

Venture Capital, Investment Funds Management

E-Accelerator Energy Community

2-weekly energy breakfasts – brunches; students-professionals mixture

Partner's PowerHUB PreSeed Fund

Pre Acceleration Fund; 5 – 10 Mil. CZK/ Year

Technical Education + Elementary and High School Cooperation

Partnership with PowerHUB

- InnoEnergy PowerUP !** – opening June 2017
 - any project suitable for Primer
 - closing Date Septemeber 2017

- Projects shall be evaluated by unique tool - **EIT InnoEnergy Highway** (process for evaluation of the projects) and with use of tools and events of EIT InnoEnergy CC Poland Plus Countries

- Efficient capacity for 10 new projects per year within CZ and Slovak market (primarily based in Prague, with option in other cities + **Prague 5 Project**)

Partnership with PowerHUB

Re/Cobranding of Prague PowerHUB

All activities of E-Accelerator in Czech and Slovak shall be co-branded with Partners Schemes (incl. CZ activities like E-Nergy Club, E-Nergy Fund etc.)

In the case of interest **possibility to expand into other CEE countries:**

Bulgaria, Croatia, Greece, Hungary, Poland, Romania, Serbia, Slovenia, Montenegro, Baltics

Partnership Level (according to scope of activities)

- Activities
- Financial Participation

InnoEnergy Introduction

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InnoEnergy

Knowledge Innovation Community

www.innoenergy.com



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