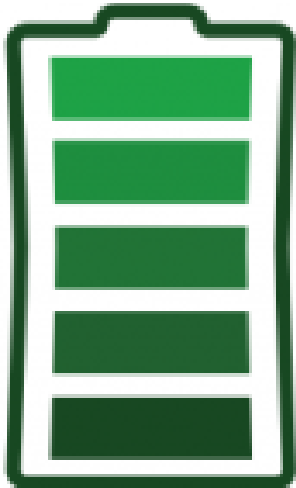


# Driving European Innovations for the Future Energy System

KIC InnoEnergy SE

Batteriestammtisch, July 21, 2016

Dr. Thomas Aicher



Storage-based business models heavily depend on yet unclear picture of future energy landscape & policies



How do SMEs and StartUps deal with this market risk to bring innovations forward?

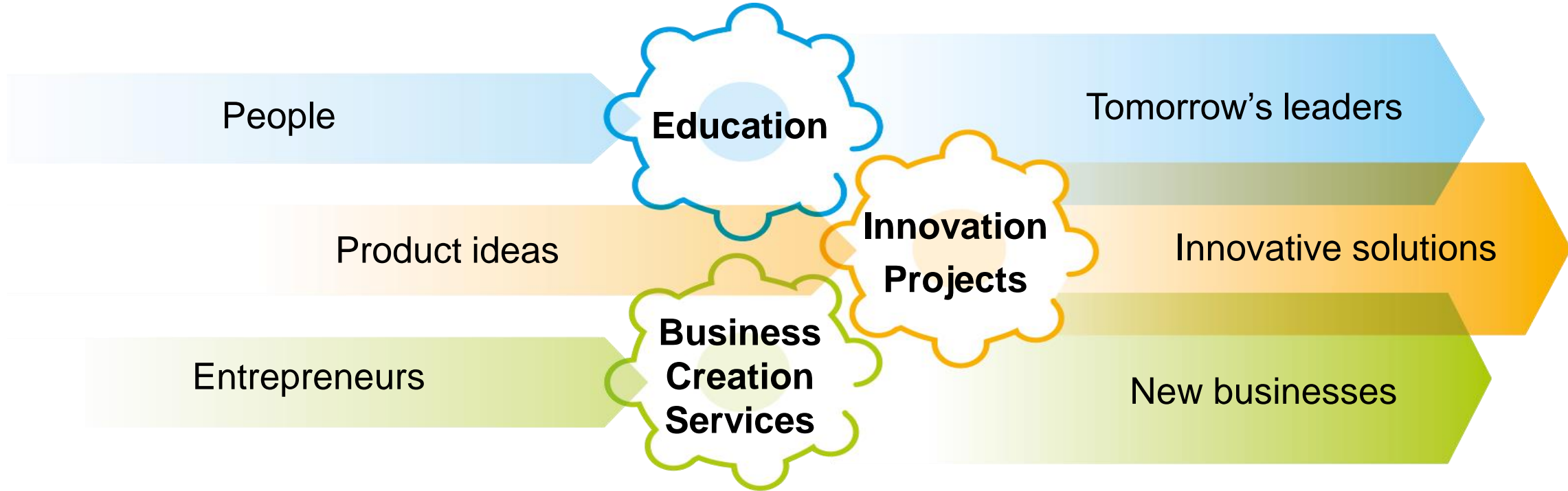


KIC InnoEnergy as a partner

- takes part of the risk
- makes excellent business ideas marketable
- supports successful commercialization

## Europe's engine for innovation in sustainable energy

### KIC InnoEnergy



## Making connections: the power of the network

6 co-location centres

27 shareholders

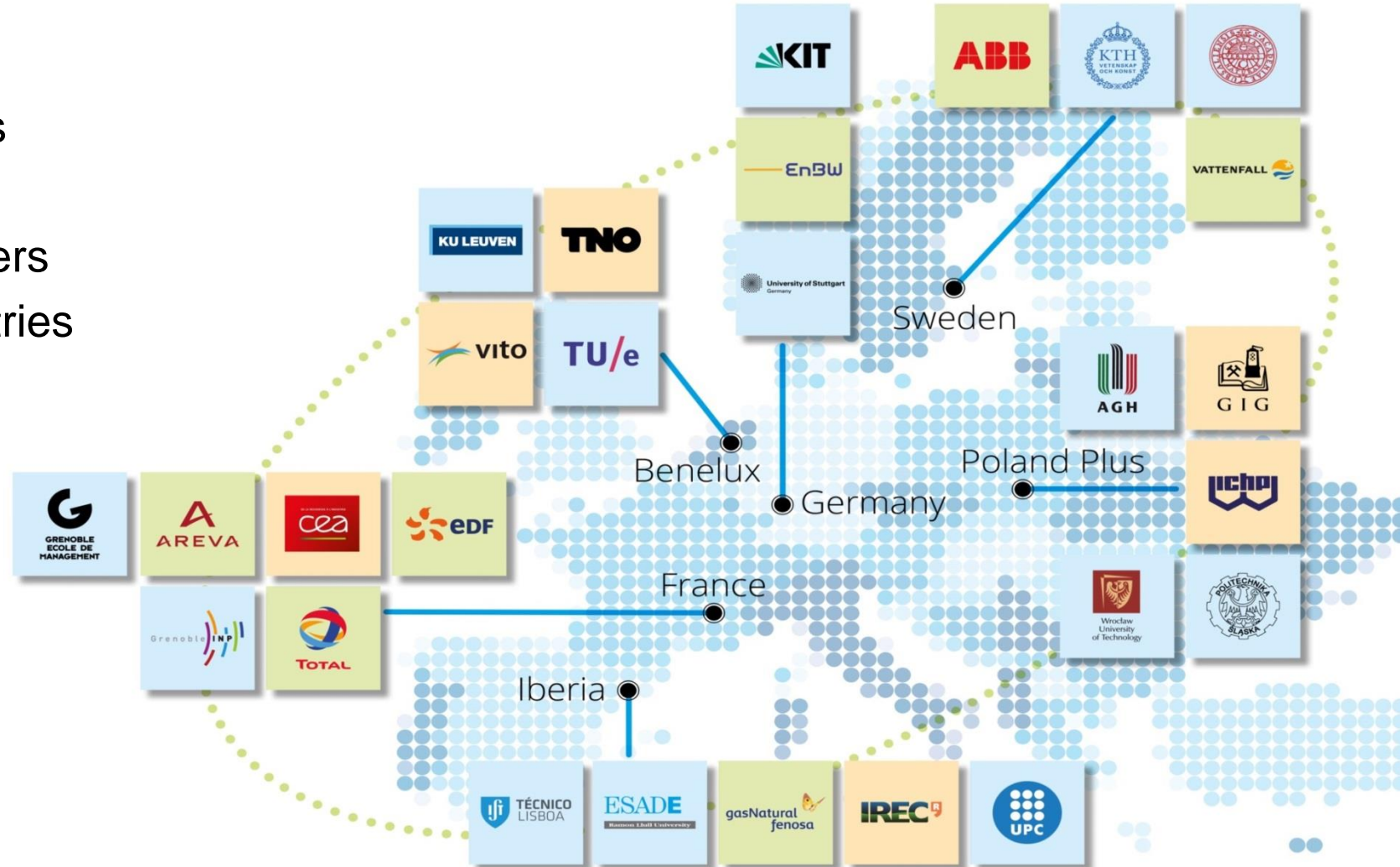
160 additional partners

Activities in 17 countries

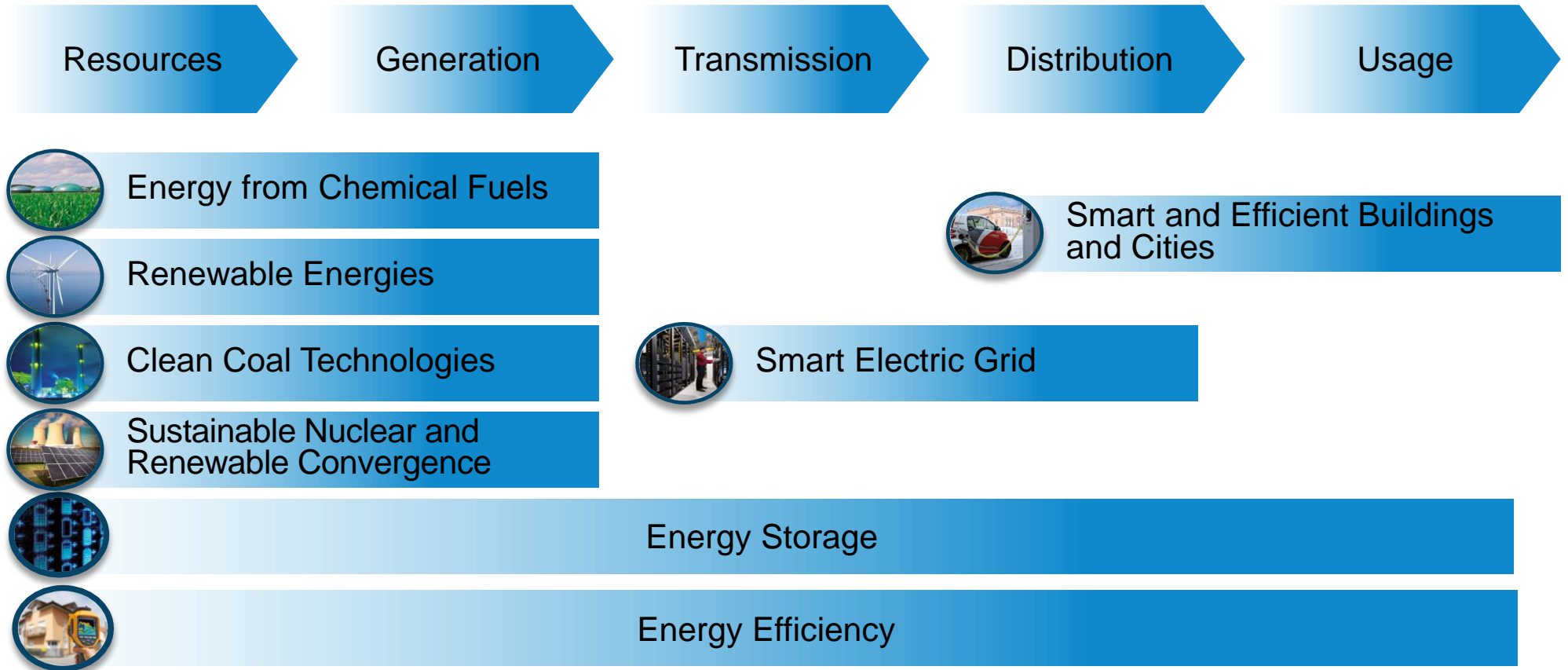
### Our Shareholders

- Research Institutes
- Universities
- Industry Partners

● Co-location Centres



5 KIC InnoEnergy covers the entire energy value chain



## Connecting entrepreneurs and start-ups to markets and customers



### KIC InnoEnergy Highway™



Product: potential, development, pilot, launch



Market: opportunities, positioning, modelling, planning



People: capabilities, training, support, mentoring



Finance: seed money, VCs, angels, equity

## Support from business plan to first sale



## 8 Examples for Start-Ups in Energy Storage

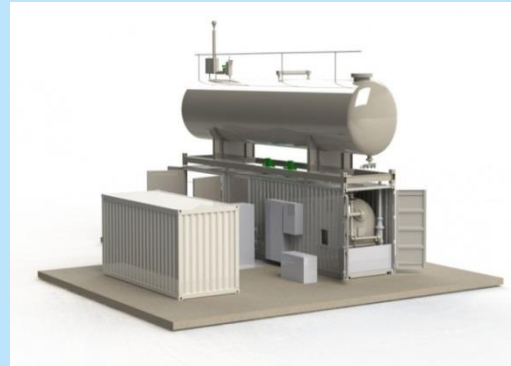
### 3SSolar UG

*In case of blackout the BBBOX switches in less than 20 milliseconds*



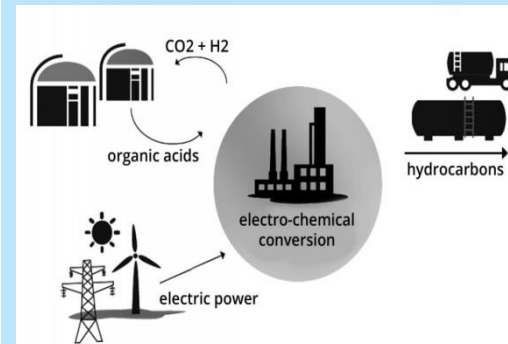
### Ataway

*Battery/hydrogen hybrid system*



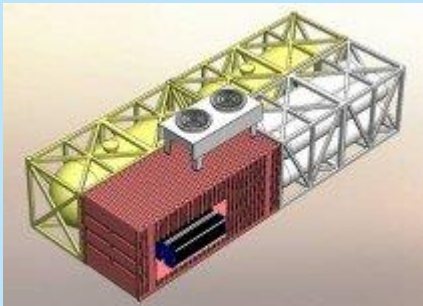
### Infinite Fuels GmbH

*Electrochemical pathway to hydrocarbons*



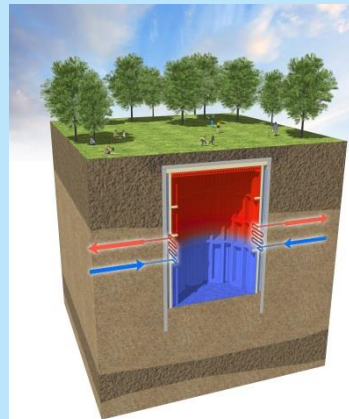
### Elestor

*hydrogen-bromine flow battery*



### ECOVAT

*Thermal storage*



### Technologies:

- Batteries
- Thermal
- Flow Batteries
- Chemicals



111

Early start-ups supported

55

New companies created

More than

20

million euros of external investment raised

1292

Business ideas captured



## Connecting ideas and industry, innovators and business partners



Partners, skills and resources



Market needs and potential customers



Shorten time to market

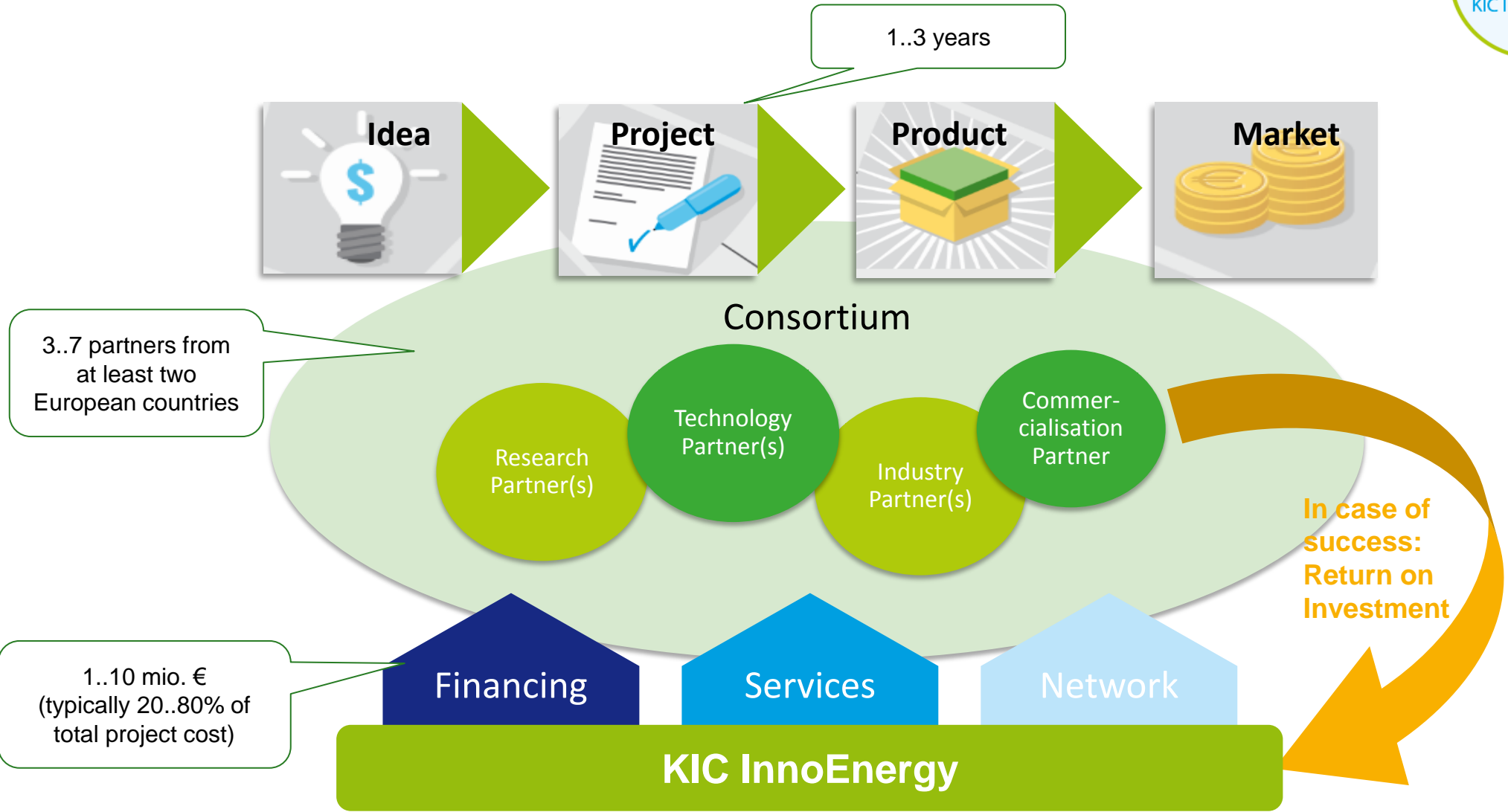


Financing and investment



A commercial product in 1-3 years

# 10 Our services. Innovation Projects



# 11 Examples for Innovations Projects in Energy Storage



## E-BUS BATTERY

*The modular batteries for electric buses*



## FlowBox

*Modular vanadium flow battery*



## FOGA

*Long life battery system for off-grid applications*

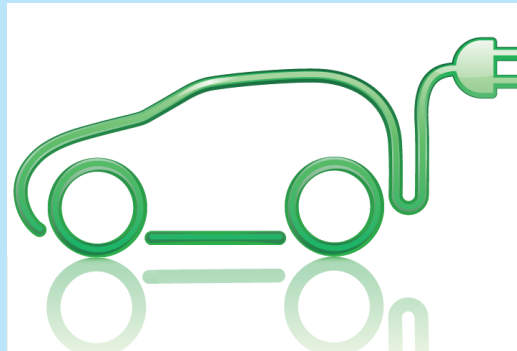


## Technologies:

- Batteries
- Flow Batteries
- Chemicals

## PENLiB

*Polymer electrolyte nanocomposite for lithium batteries*



## DemoSNG

*SNG for gas grids*



24

Solutions used by industry

3

Manufacturing facilities constructed

59

Patents filed

160

Project partners across Europe

## For every stage of the innovation journey



Innovation  
Projects




Business  
Creation Services



Education

Please contact us  
[www.kic-innoenergy.com](http://www.kic-innoenergy.com)



Dr. Thomas Aicher  
Business Development  
[thomas.aicher@kic-innoenergy.com](mailto:thomas.aicher@kic-innoenergy.com)