



Horizon2020 Information Days on Public-Private Partnerships

**Brokerage event
14 October 2016**

**EE17 - VALORISATION OF WASTE HEAT IN INDUSTRIAL
SYSTEMS (SPIRE PPP)**

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Ekodenge is a 20 year old SME, located in a Hacettepe University Technopark in Ankara, Turkey

Around 25 full time interdisciplinary experts, most with academic degrees and strong sectoral background

Has expertise in various international consultancy and technical assistance projects

Environment
Architecture
Energy
Informatics
Industry

Environmental Consulting and Engineering
Sustainability Engineering and Consultancy
Sustainable Architecture and Design
Energy Solutions and Efficiency
Environmental Information Systems
Industrial Consultancy

3 FP7 Project references and 4 ongoing H2020 Projects

EU LIFE, CIP ECO-INNOVATION, Europeaid, WorldBank, UNDP Project coordination expertise

Over 40 international Project references

Horizon Fields of Interest Include:

1. Smart cities and communities: Data Analytics, Modelling and Climate Action Plans
2. Circular Economy & Industrial Symbiosis: Resource Efficiency and process optimisation for industrial and urban systems
3. Sustainable Buildings: Design, Energy Management

2017 Horizon 2020 Calls of Interest are:

- EE17
- CIRC1, CIRC2
- SCC, SC5
- Relevant EE, EEB Topics

PROJECT IDEA

EE17 - Valorisation of waste heat in industrial systems (SPIRE PPP)

- ❑ Ekodenge has been working on Industrial Symbiosis oriented data management and decision support systems
- ❑ FISSAC Project, (Horizon 2020, 2014 ENV-Waste 1, Industrial Symbiosis Call) ICT platform is being delivered by Ekodenge
- ❑ The team is looking for utilisation and enhancement of the decision making capacity to deliver consultancy services in the EU and Global Market

PROJECT IDEA

EE17 - Valorisation of waste heat in industrial systems (SPIRE PPP)

Objectives:

- Improve the energy efficiency of large industrial systems by designing economic industrial solutions based on innovative solutions
- Energy symbiosis between industries or plants inside industrial parks for the valorisation of waste and residual heat
- To determine and demonstrate innovative storage technologies and strategies to harmonize energy use

EXPECTED IMPACT

Expected results:

- Recovery of waste/residual heat
- Measureable substantial primary energy savings
- Cost-saving optimizations of energy and resources supply and demand

EXISTING PROJECT CONSORTIUM

No	Partner Name	Type	Country	Role in the Project
01	Ekodenge	SME	TR	Coordinator, Energy Management System
02	Research Institute	RND	SP	Decision algorithms and heat solutions
03	Industrial Park	IND	SP	Demo site
04	Research Institute	RND	GER	Business models
05	Others..			
06				
07				
08				

LOOKING FOR PARTNERS

No	Expertise	Type	Country	Role in the project
01	Industrial Networks	IND		Heat symbiosis network demo site
02	IT/Energy Expert	SME		Energy related Business intelligence / IOT solutions
03	Technology Provider	IND/ SME		Energy Storage / Conversion Technologies (@TRL 5-6)
04				
05				
06				
07				
08				

CONTACT DETAILS

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