

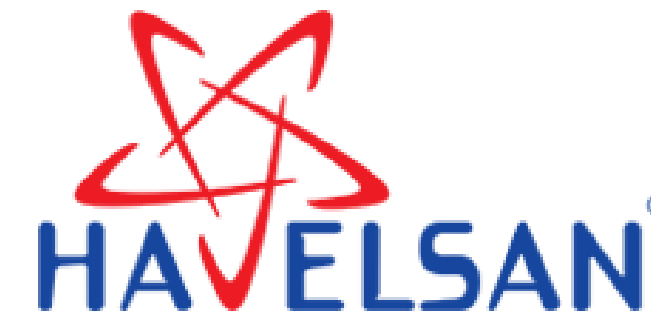


CELTIC-EUROGIA Proposers Day



29th January 2020, at Nokia Premises in Madrid

EnergyAware



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Teaser



Main Idea:

- *Develop an indoor localization system based on low cost UWB sensors.*
- *Track each person in an industrial building*
- *Adjust the lighting and heating/cooling conditions according to personal choice and comfort*
- *Relocate and modify heating/ cooling/ lighting resources based on localization data*

Benefits:

- *Efficient and optimal energy consumption*
- *Increased work place efficiency*
- *Decreased cost*
- *Optimal exploitation of the building space by analyzing the location data*

Organisation Profile



ENERJISA:



HAVELSAN:



Company Profile:

*Large Company with 7000 Employees
Proposal Coordinator, WP Leader in EU Projects
DSO serving 10M Customers in 3 regions*

Company Profile:

*Large company with 1100 engineers
Proposal Coordinator, WP leader in EU projects
Modelling and Sensor Technologies Division
Hardware engineering, signal processing
and algorithm development, embedded
software development (with 2 PhDs, 2 M.Sc.)*

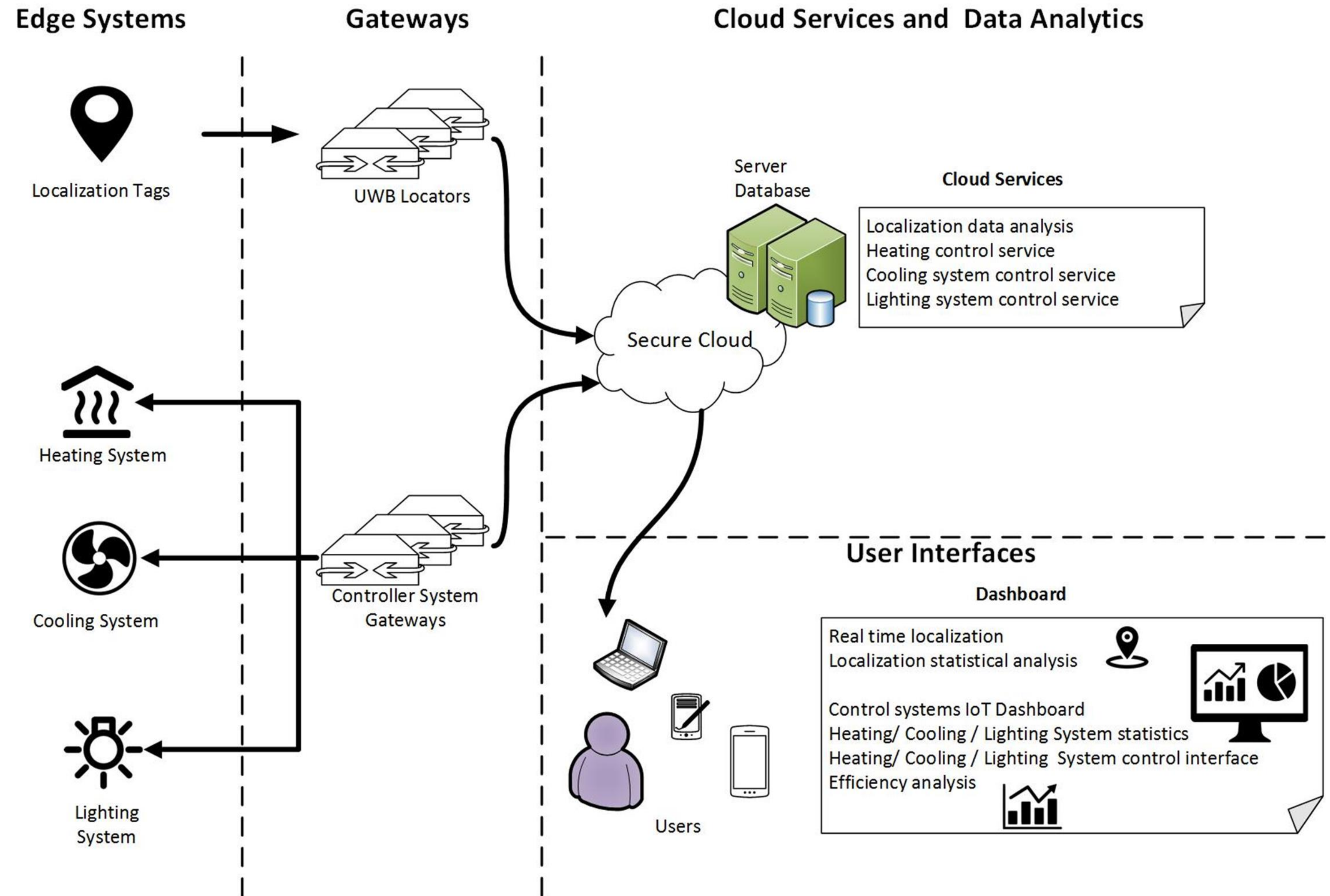
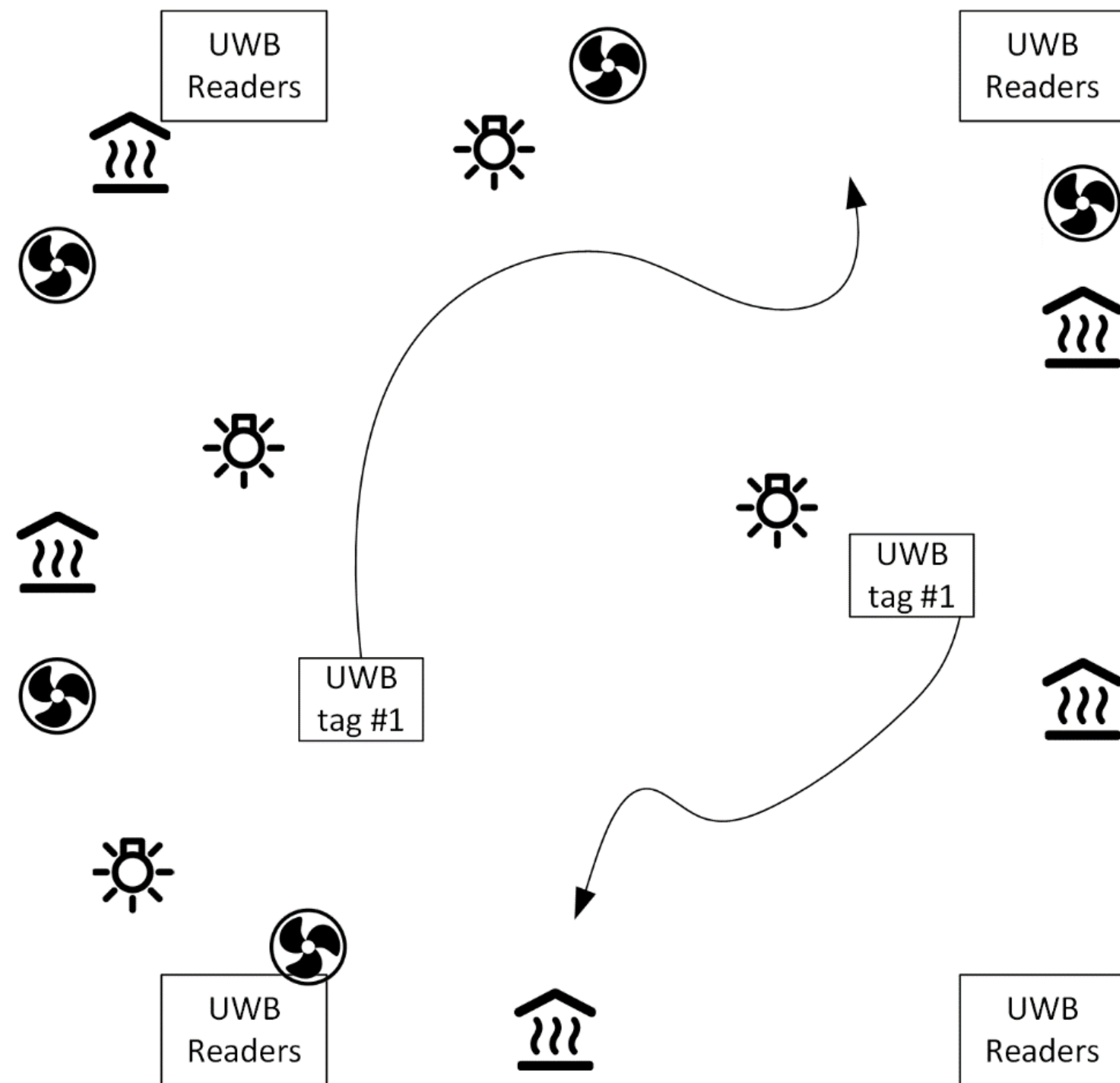
Expertise:

*Smart Grids & Smart Cities, Renewable Energy
Integration, Energy Efficiency, IOT Applications*

Expertise:

*Indoor localization (BLE, UWB), sensor fusion,
navigation systems*

Proposal Introduction



Proposal Introduction



Outcome:

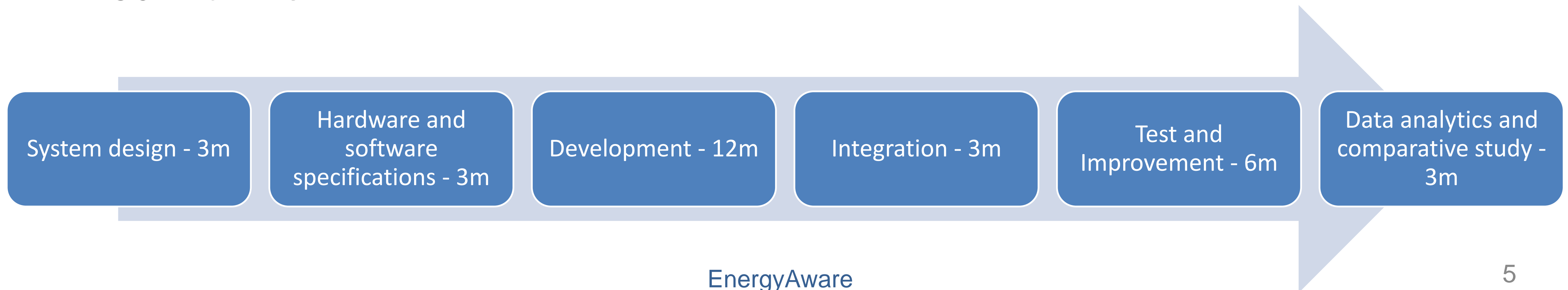
- *A prototype system with TRL 5-6*

Impacts:

- *A prototype system will be demonstrated for 6 months in two sites: a hospital and in an industrial building*
- *Data analytics and savings will be shown making a comparative study*

Schedule:

- *30 months*



Partners



Existing Consortium

- ***ENERJISA: Coordinator, project management, end user***
- ***HAVELSAN: Indoor localization (UWB, BLE), sensor management***

Looking for partners experienced in:

- *Lighting systems with IOT*
- *Cooling/Heating systems with IOT*
- *Big data analysis*

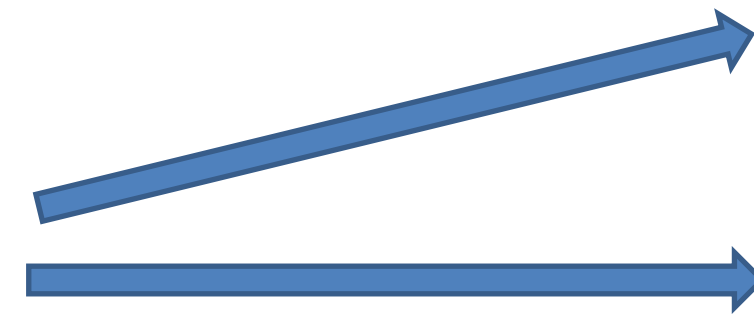
And End users:

- *Hospitals, factories, power plants, industrial infrastructure etc.*

Sub-topic



Please choose :



ICT

Green Energy

Consortium Building Session



In the 2nd week of February we will schedule a follow-up telco on Skype for this new project idea.

Please send us an e-mail if you are interested or use

<https://doodle.com/poll/2shdgt83cu2k6zg5>

Contact Info



For more information and for interest to participate please contact:

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