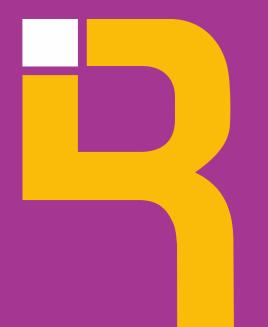


# Innovation Ready Energy & Circular Economy!

"New technologies and Innovative Solutions in Energy & the Circular Economy"

Wednesday 26 May 2021 | 16:30







## Energy cases -1/2

1. Cyrus: Creates the future of hydrogen compressors for transport applications

Hydrogen compressor achieving pressures up to 1000 bar by using thermal processes instead of moving parts. Noiseless operation and minimal operational costs. Easily integrated in renewable energy systems.

**TRL** 9 Time to market (months)

Funds invested (€k)

600

More funds needed (€k)

2000

2. DomX: Home IoT technologies

Addresses the whole energy ecosystem, with solutions ranging from products targeting individual consumers to advanced energy services for key energy stakeholders (suppliers, technical services, etc.).

TRL 7-9 Time to market (months)

0

3

Funds invested (€k)

1000

More funds needed (€k)

3. DTWISE: We speak Data, We deliver Efficiency

Offers customizable energy saving and management solutions, incorporating artificial intelligence & data analytics to its offerings.

**TRL** 9 Time to market (months)

Funds invested (€k)

500

More funds needed (€k)

800





## Energy cases -2/2

4. GIVE Engineering: Inspiring change through innovation and creative design

9

Provides technical innovation, product design, and advanced engineering analysis that can range from single components to full systems and from concept to prototyping.

TRL 7-8 Time to market (months)

Funds invested (€k)

640

More funds needed (€k)

1000

5. HELBIO: Towards to a Greener future based on Hydrogen

Profitably develops and deploys innovative, environmentally clean, energy efficient Hydrogen Units & CHP systems which serve Industrial, Transportation, Telecommunication and Residential needs.

TRL 9 Time to market (months)

Funds invested (€k)

More funds needed (€k)

6. EV Loader: Software for smarter EV charging

Electric vehicle charging station management software that utilizes variable pricing to encourage drivers to charge with clean energy.

**TRL** 

Time to market (months)

0

Funds invested (€k)

200

More funds needed (€k)

300





## Circular Economy -1/2

7. BIO2CHP: Cut energy costs, use industrial organic residues

BIO2CHP offers a power generator, at the size of a container, which converts solid organic residues into energy, on-site.

TRL 7-8 Time to market (months) 12 Funds invested (€k) 200 More funds needed (€k) 300

8. ECORESOURCES: Circular economy tailor made solutions

Expertise in environmental and chemical technologies, developing innovative processes, and finding solutions for: 1) solid wastes valorization (i.e., mining wastes, slags, etc.) 2) potable water and wastewater decontamination

TRL 3-5 Time to market (months) 8-12 Funds invested (€k) -

9. Greener than Green Technologies: Creating synergies around water

R&D and marketing of disruptive water and wastewater remediation technologies and methodologies for the circular assisting of the industry to achieve transition of towards a circular economy mode

TRL 6 Time to market (months) 36 Funds invested (€k) 1.200 More funds needed (€k) -





# Circular Economy -2/2

#### 10. PHEEPC: Developing & Producing the bio-based materials of tomorrow

Bio-Based composite materials, produced in panels, by upcycling different types of bio-residues

TRL 8 Time to market (months) 48 Funds invested (€k) 100 More funds needed (€k) 1500

#### 11. SOLMEYA: CO2 utilization through vertical microalgae farming

High value biomolecules & proteins through vertical microalgae farming, utilizing optimally our natural finite resources, the ample sunlight & some of the CO2 emissions

TRL 5 Time to market (€k) 150 More funds needed (€k) 200 (months)





# Thank you

More information:

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