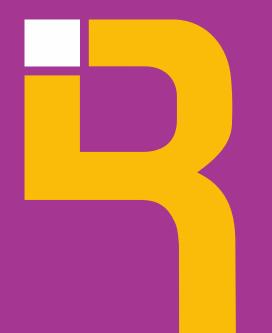# Innovation Ready
INFORM CONNECT **INNOVATE**

Innovation Ready Energy & Circular Economy!

"New technologies and Innovative Solutions for Energy & Circular Economy"

Wednesday 26 May 2021 | 16:30

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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)	3	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	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)	0	Funds invested (€k)	500	More funds needed (€k)	800

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Energy cases -2/2

4. GIVE Engineering: *Inspiring change through innovation and creative design*
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)	9	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)	0	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	9	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)	150	More funds needed (€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. KYKLOS Group: *Innovation completely oriented on the doctrine of "circular economy".*
Production of chemical flocculants from recycling of waste caustic soda and aluminum

TRL	9	Time to market (months)	0	Funds invested (€k)	-	More funds needed (€k)	-

11. PHEE PC: *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

12. 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 (months)	4	Funds invested (€k)	150	More funds needed (€k)	200

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Thank you

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