



Manufacturing



the main challenge: Integration of circular economy in the sector

1 The project could be addressing one of the following aspects:

- Lack of inclusion of environmental, economic and social aspects of CE in manufacturing
- Lack of awareness about reusing materials/waste rather than only recycling and how to ensure the quality of reused and recycled materials of medical products - making them unusable)
- Lack of map of who and how to facilitate easier collaboration (to partners, suppliers, projects etc.)

2 Technology to be implemented

Your project should be solving the industry challenge in a scalable way and be based on the idea of reshaping your linear value chain into the circular one. The technology to be implemented should be picked from one of the prioritized groups:

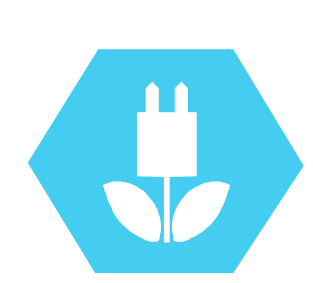
1.



DIGITAL

- Mobile
- Block chain
- Social
- Machine-2-machine
- Cloud
- Cyber security
- Big data analytics

2.



HYBRID

- 3D printing
- Trace & return systems

3.



ENGINEERING

- Modular design
- Advanced recycling
- Nanotechnologies
- Advanced manufacturing
- Life and material sciences

3 Circular Economy Building Blocks (Business models)

Please, try to use one of the suggested business models in your project:

- Industrial Symbiosis
- Material Resource Efficiency
- Renewable Energy Sources & Energy Efficiency
- Biological Products
- Product Life Cycle Extension
- Performance Economy
- Sharing Economy
- Platform Economy

Example

1

Challenge accepted:
Integration of circular economy in the sector

2

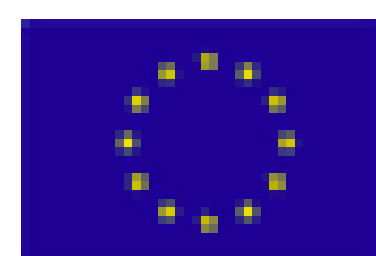
Technology to be implemented:
Engineering
(modular design, advanced manufacturing)

3

Business model:
Product Life Cycle Extension



C-Voucher



This project has received funding from the European Union's Horizon 2020 research and innovation programme, under grant agreement No. 777773