

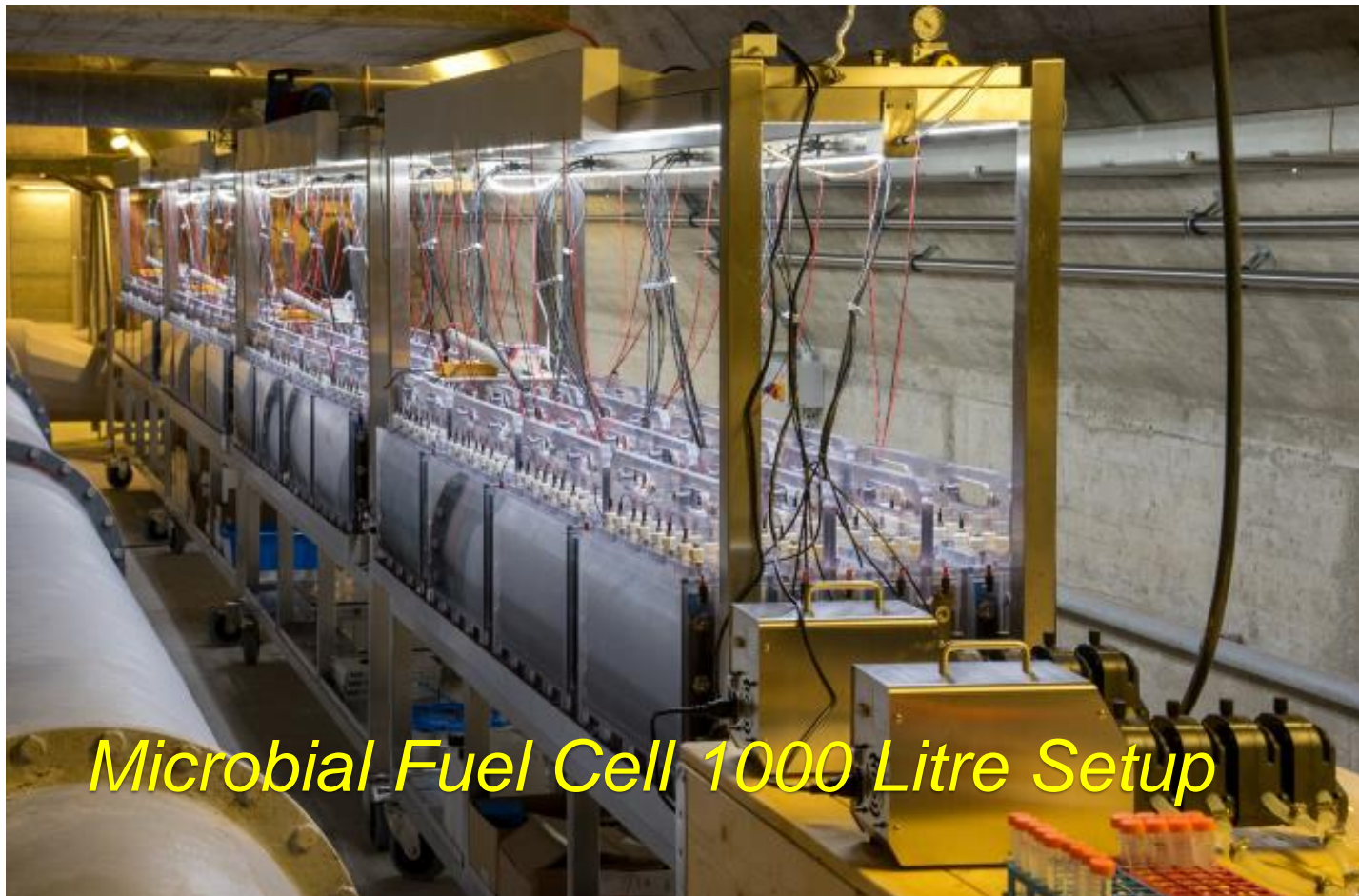
Microbial Power Reactors for Resource Recovery and Energy Vectors



Successful R&I in Europe 2025
12th European Networking Event
Düsseldorf, NRW
March 6-7, 2025

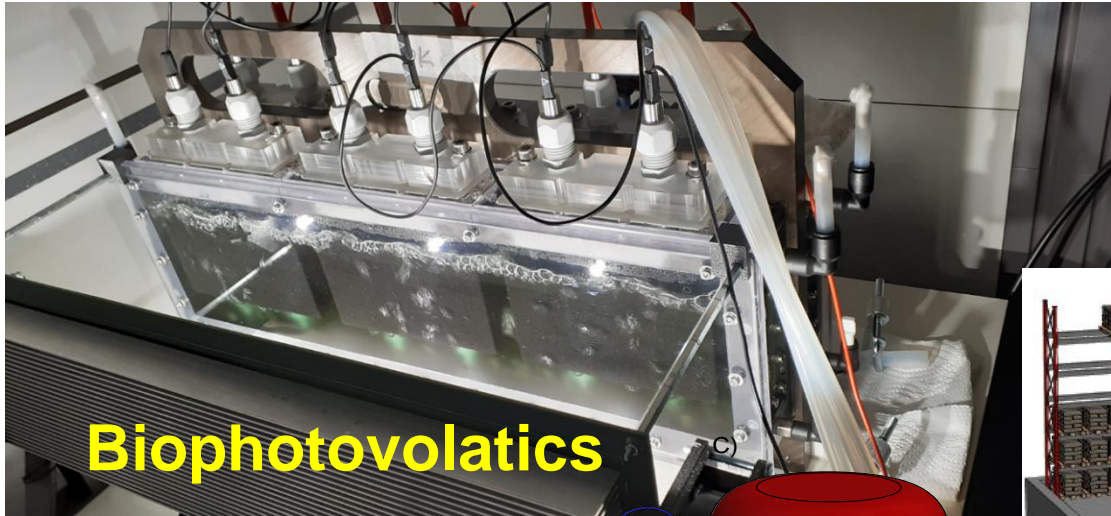
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Objective: use bioelectric systems for refining waste into chemicals and fuels

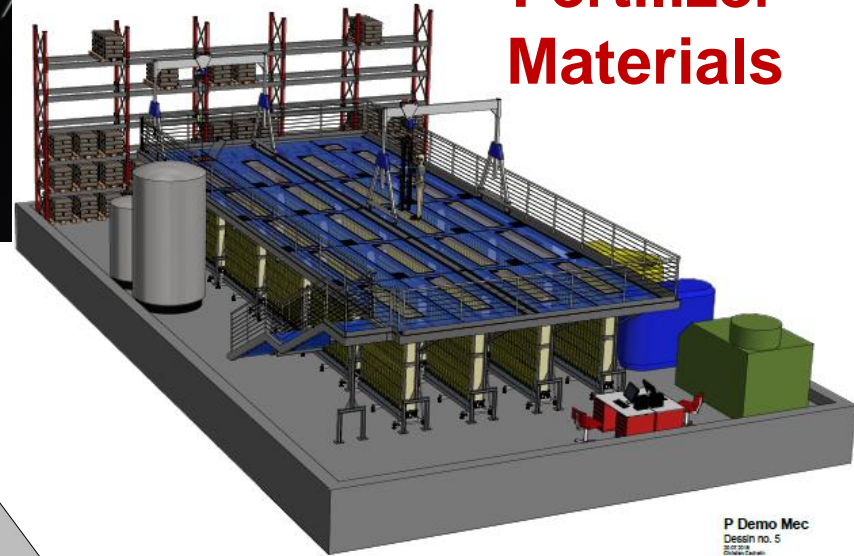


Microbial Fuel Cell 1000 Litre Setup

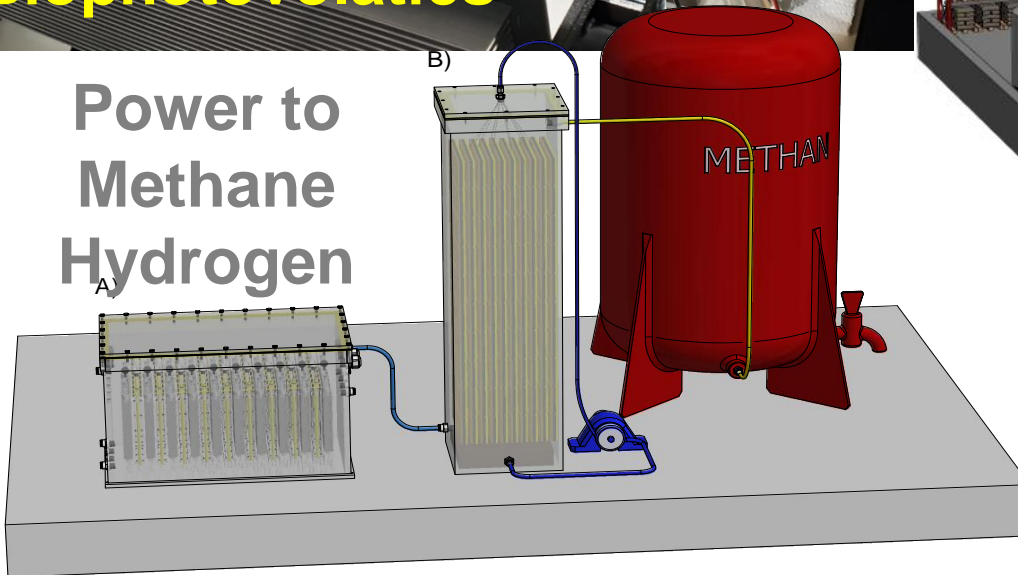
Applications of bioelectric systems



Biophotovoltaics



Fertilizer Materials



Power to Methane Hydrogen

P Demo Mec
Dessin no. 5
2019
2019/2020

Bioelectric systems needs

We seek partners/consortia who can:

- Test fertilizers
- Large surface electrodes
- Low power electronics
- Photoelectrodes
- Constructors of novel reactors
- Construction materials for bioelectric reactors
- Sequencing and Bioinformatics Knowledge

Bioelectric systems offerings

We offer expertise in:

- Testing electrogenic microbes
- Purify wastewater and generate electricity
- Green power to X technologies
- Bioelectric reactor design for the large scale
- Testing of novel membranes in bioelectric systems
- Field-testing of bioelectric systems/reactors
- Convert bioelectrically CO₂ into chemicals
- Biophotovoltaics

Broad Bioelectric Systems Research & Development Expertise

