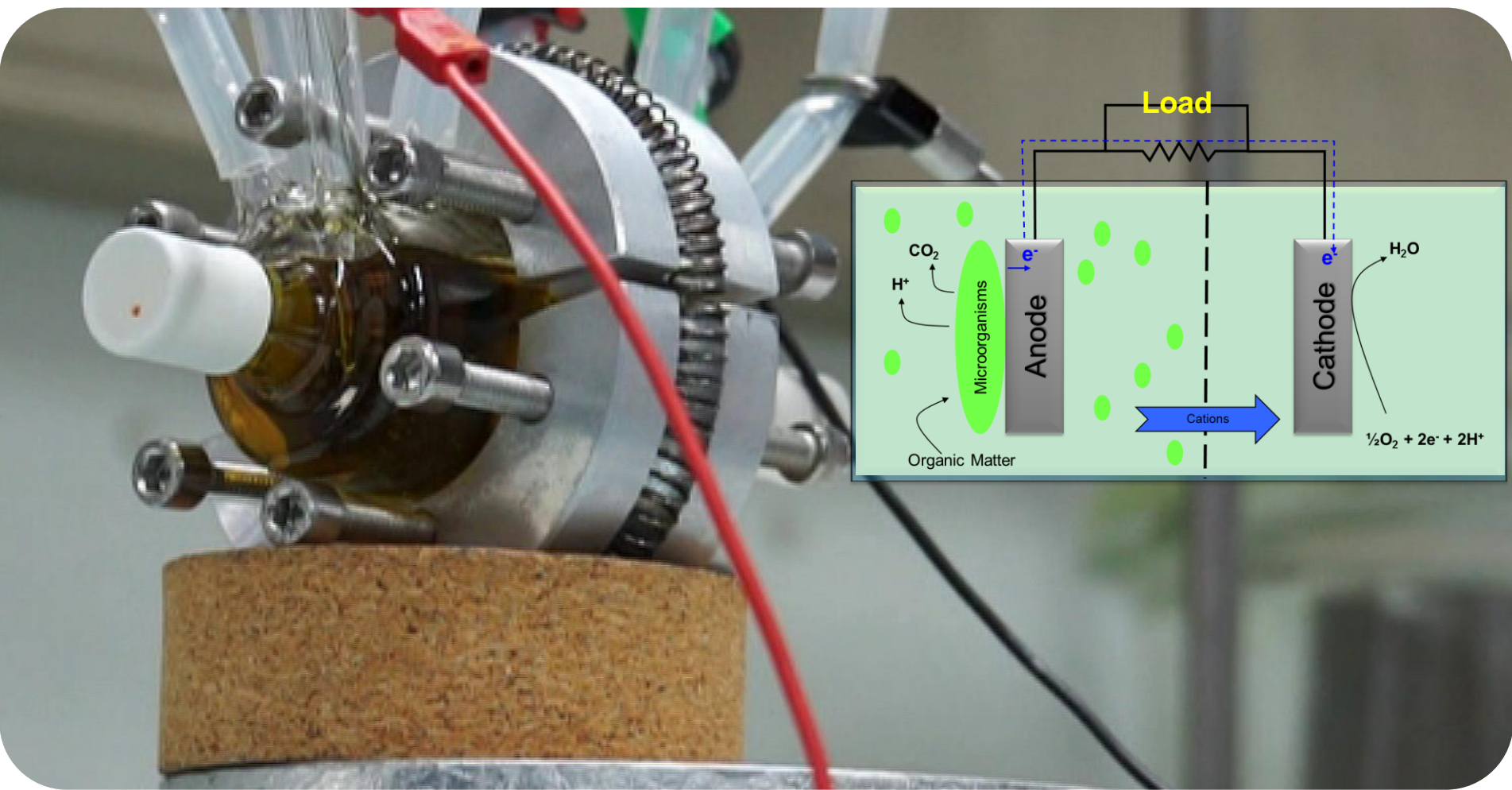


Bioelectric systems for next generation biofuels and chemicals

Successful R&I in Europe 2024
11th European Networking Event
Düsseldorf, NRW
February 15-16, 2024

Prof. Dr. Fabian Fischer
University of Applied Sciences and Arts Western Switzerland
Life Technologies Institute
and Institute for Renewable Energy
fabian.fischer@hevs.ch

Small scale microbial fuel cell for basic research

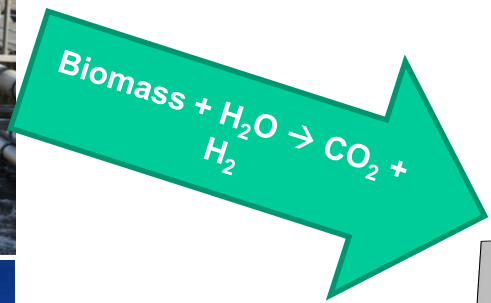


Microbial Fuel Cell 1000 Litre Setup

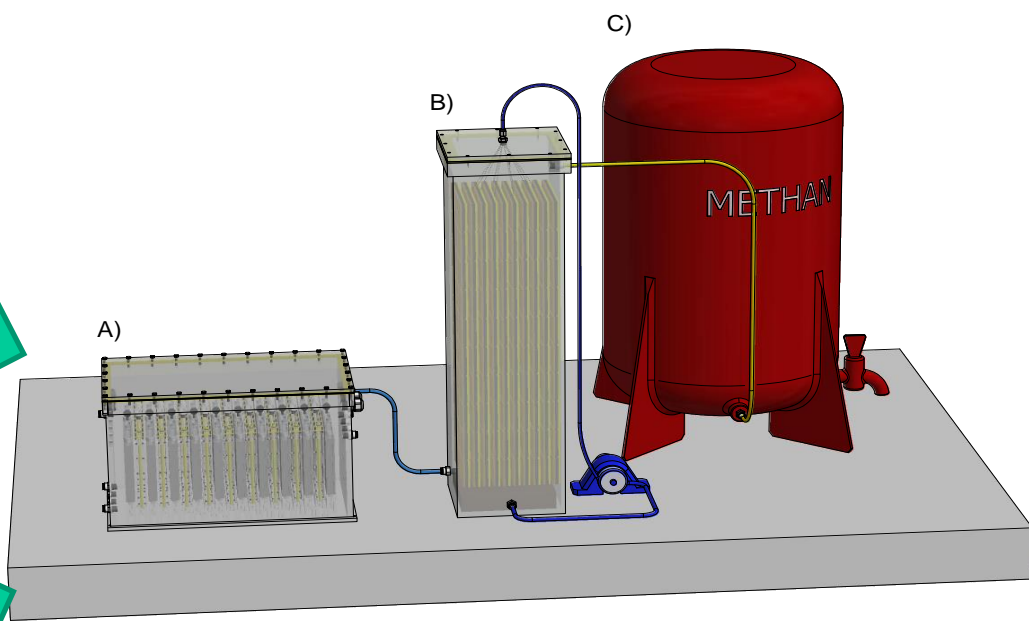


Safes and produces electricity from novel wastewater purification system. MFC scale up installation composed of 4 electrical independent carts for a total capacity of 1m³ distributed within 64 microbial fuel cell units.

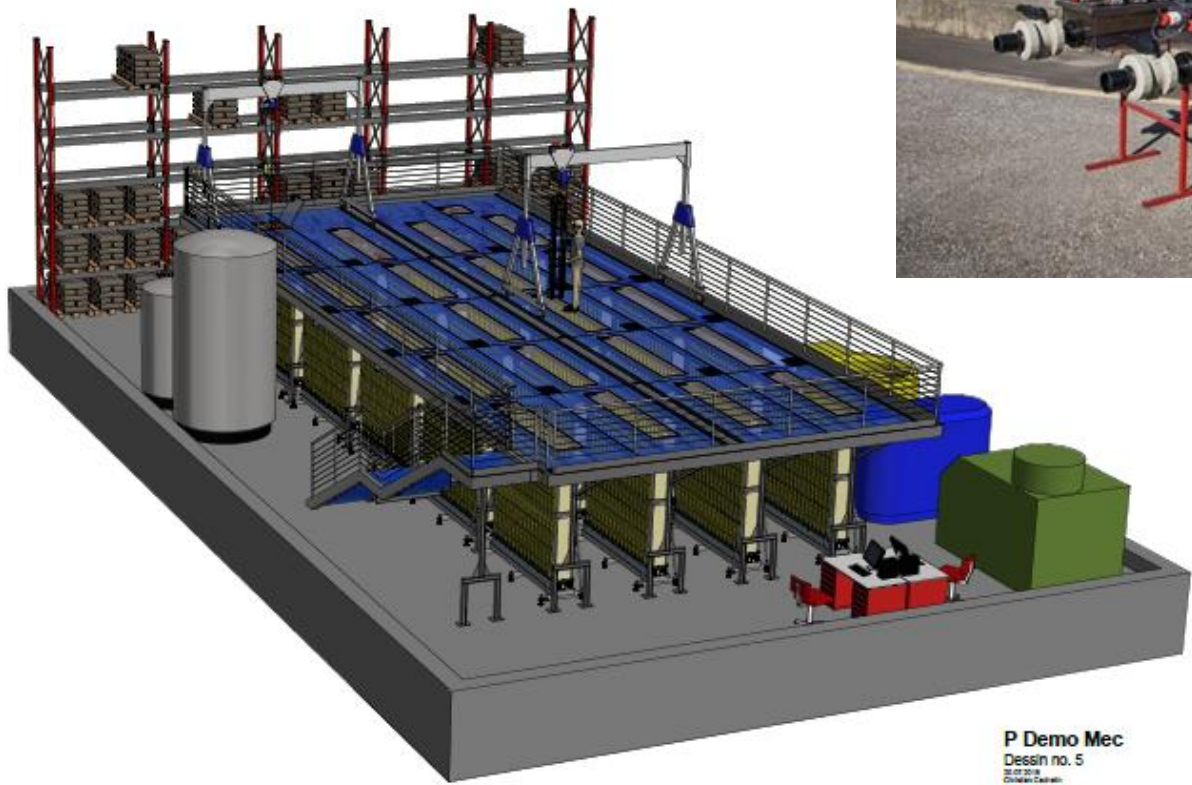
Power to Biomethane



Electricity



Phosphate recovery project and urban mining of critical materials



P Demo Mec
Dessin no. 5
20.09.2018
Chloé Chassin

Microbial fuel cells can be used for diverse ends

We seek partners/consortia who have a need or can help:

- To transform organic waste into electricity and biofuels
- To develop new biocompatible electrode materials
- To build electronic circuits to manage and understand large
Microbial Fuel Cell Stacks
- To generate bio-hydrogene, bio-methane and other fuels
- To fabricate photo-electrodes and transparent solar cells
- To extract or accumulate critical materials

Thank you for your attention



Lonza



saia-burgess



biotechnet



S A T O M



LABOR SPIEZ

Duttwiler Energietechnik