

## Power to Formic Acid



### Objective

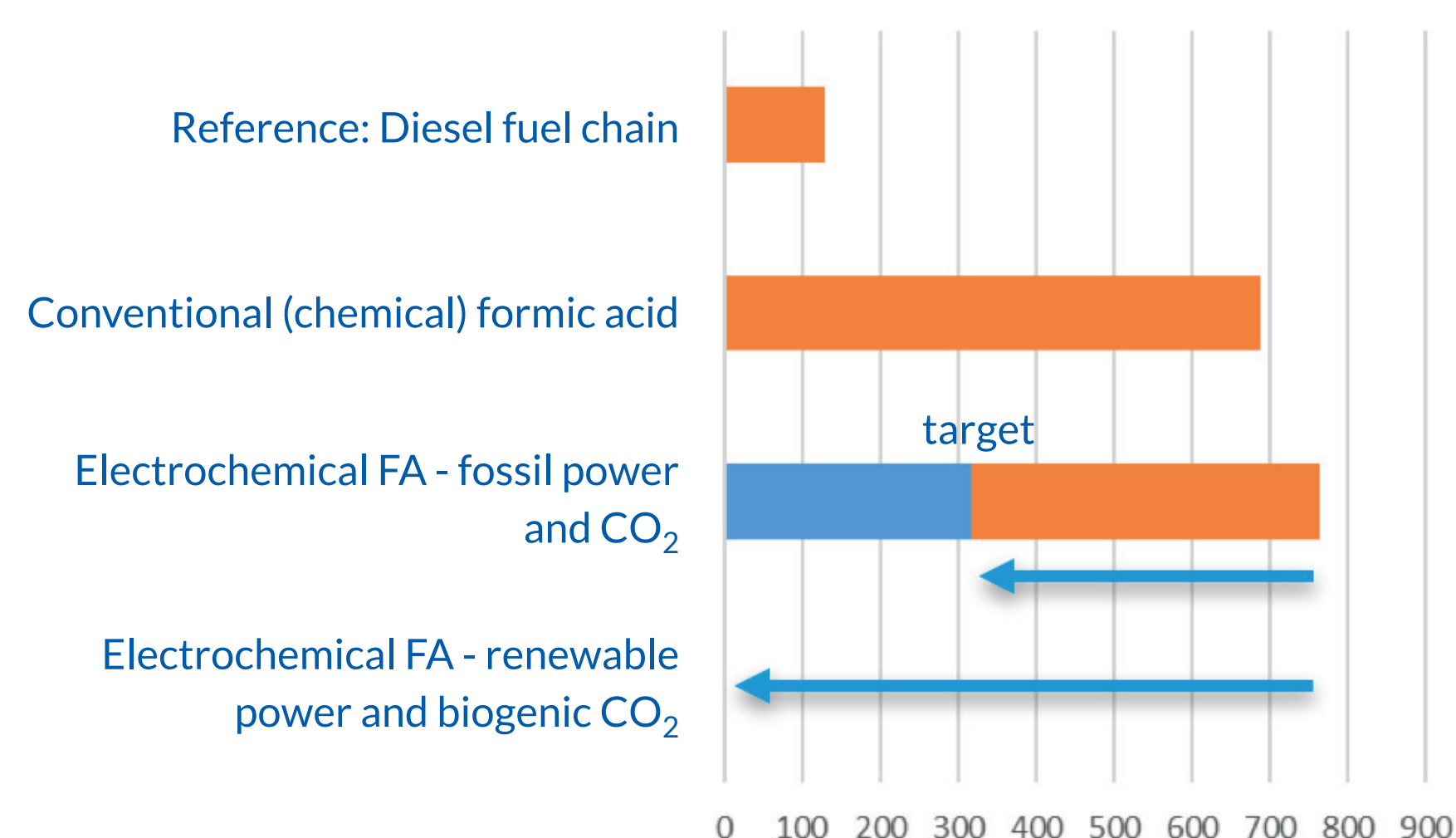
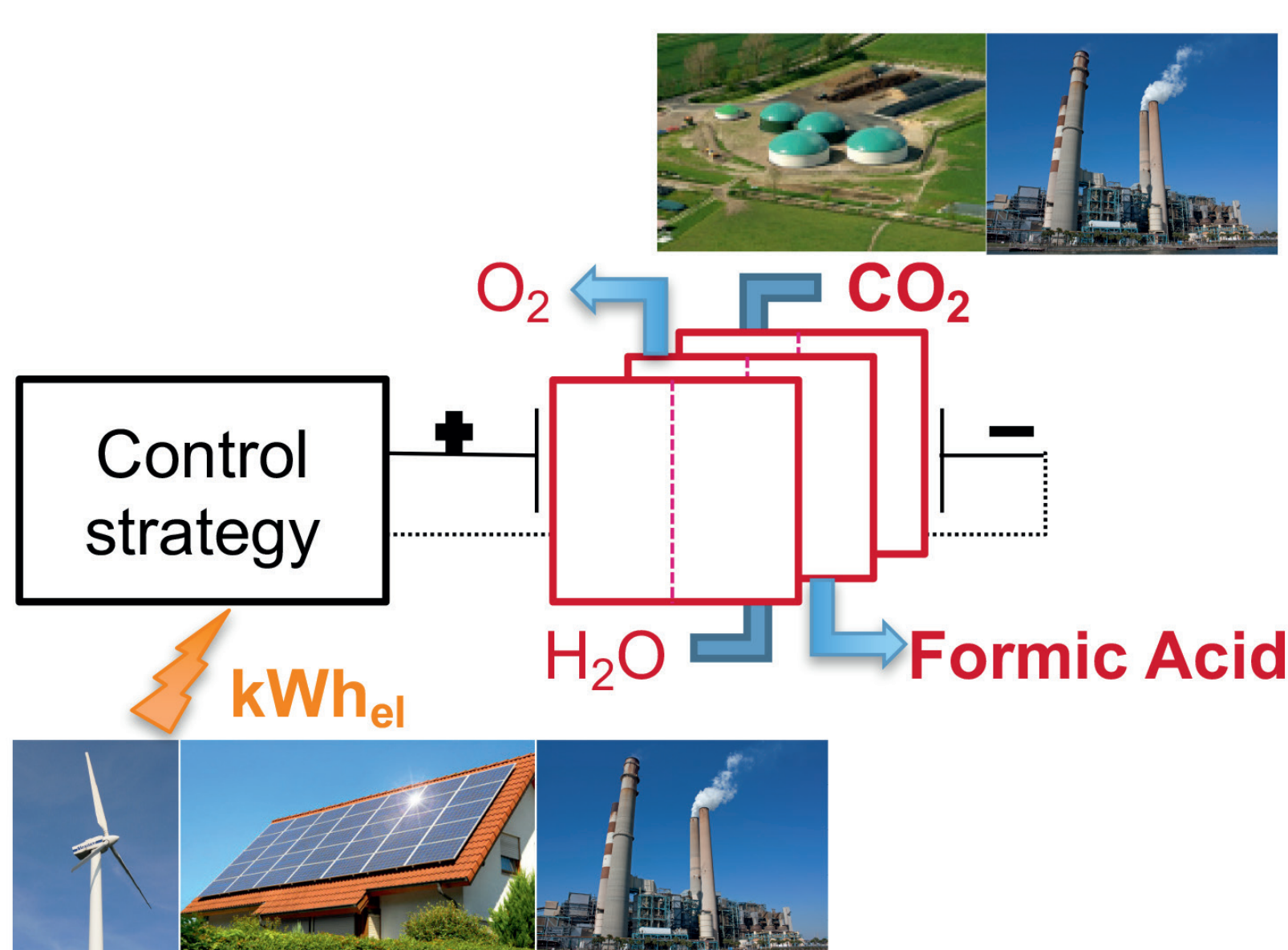
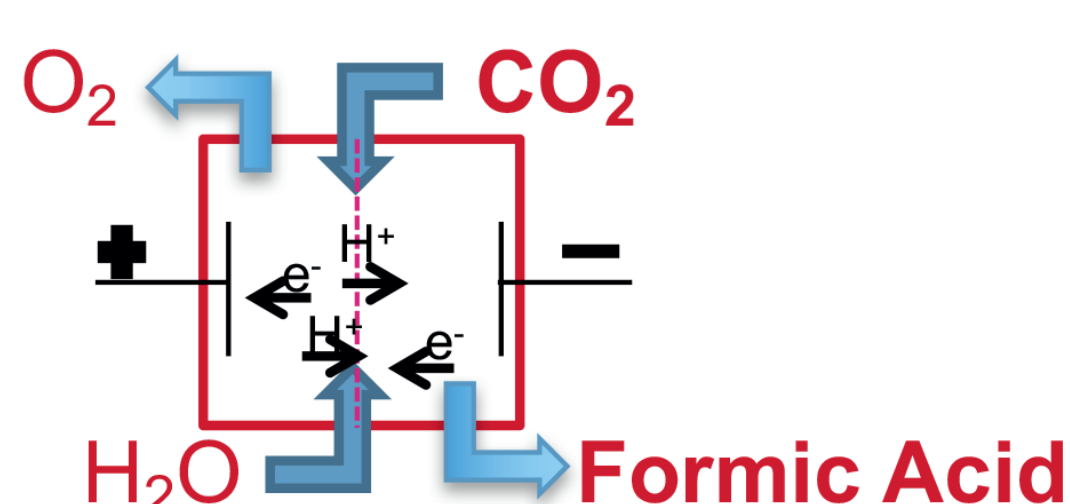
A commercially viable continuous electrochemical system where  $\text{CO}_2$  from e.g. biomass is converted to formic acid.

Using electricity predominately obtained from renewable intermittent energy sources (wind, solar and biomass).

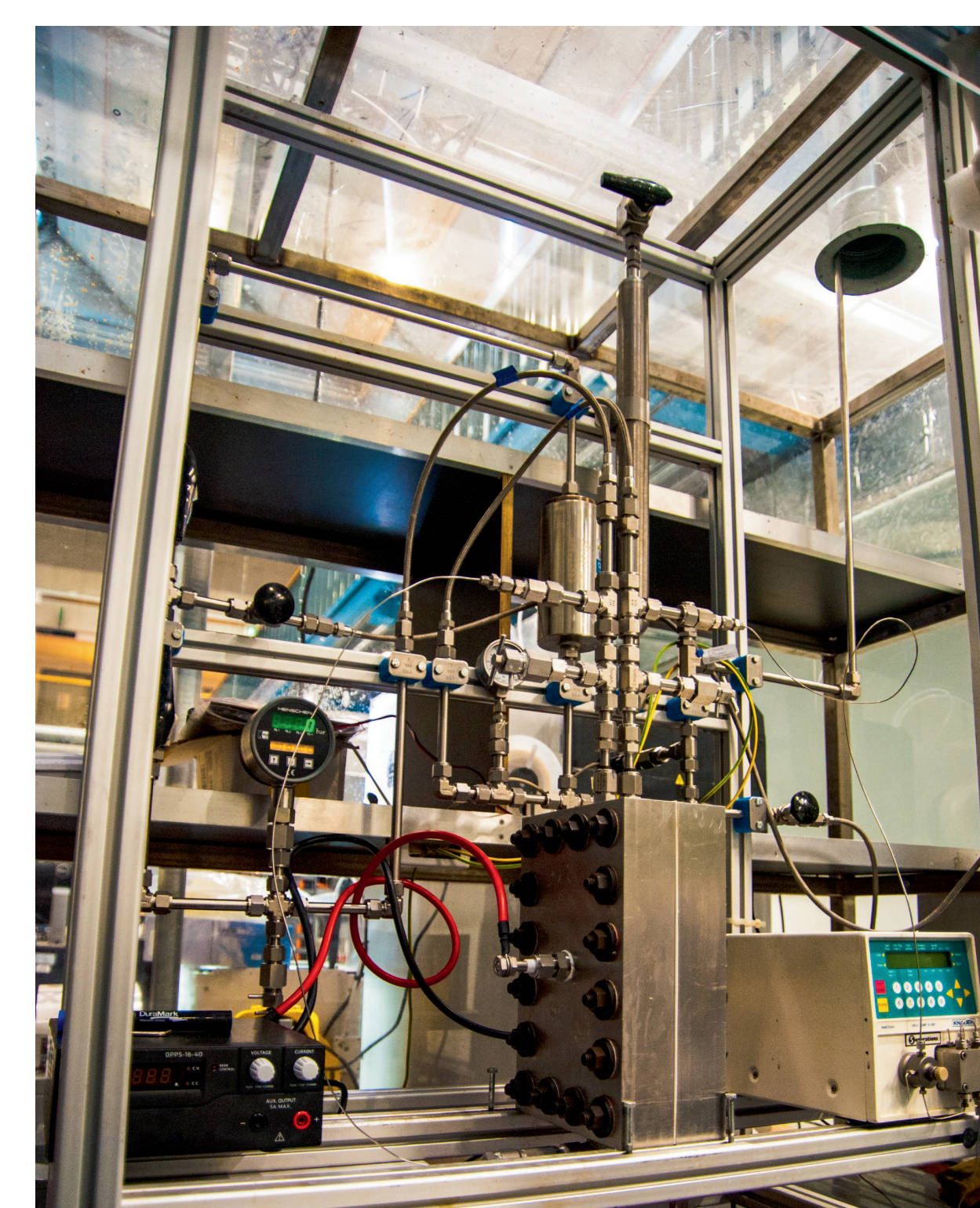
Contributing to the electrification of the industry and increasing flexibility of the energy system.

### Key activities

- Development of optimized electrochemical reactor;
- Design and construction of high pressure continuous test setup;
- Modeling, testing, optimization and scaleup;
- TEE and Life Cycle Analyses.



GHG balance production and use in transport in kg CO<sub>2</sub>-eq per 100 km. (Indicative – ref: public report CE-Delft).



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