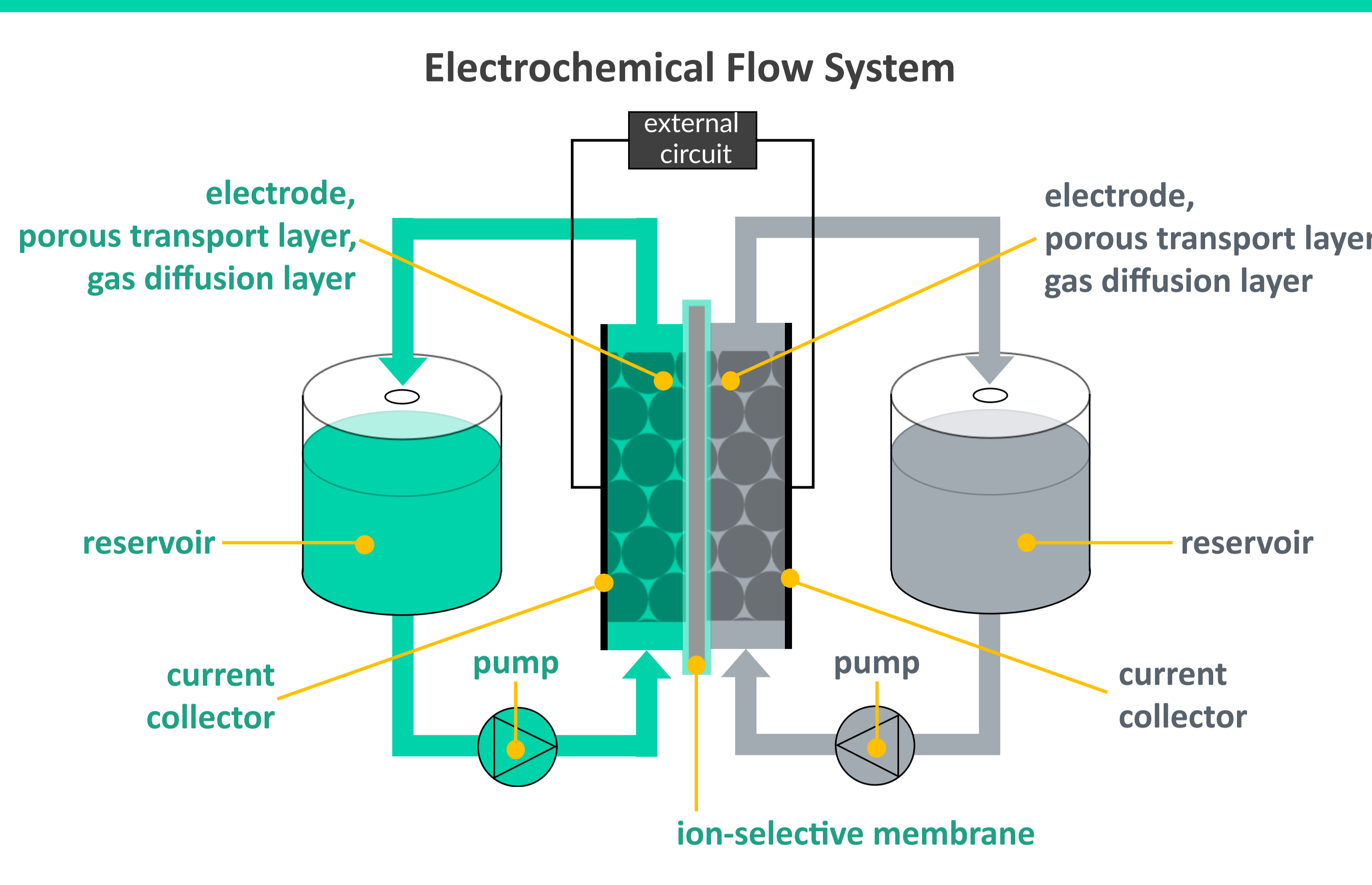




WISE Industrial Arena

Sustainable Electrochemical Technology

Replacing PFAS and Critical Raw Materials

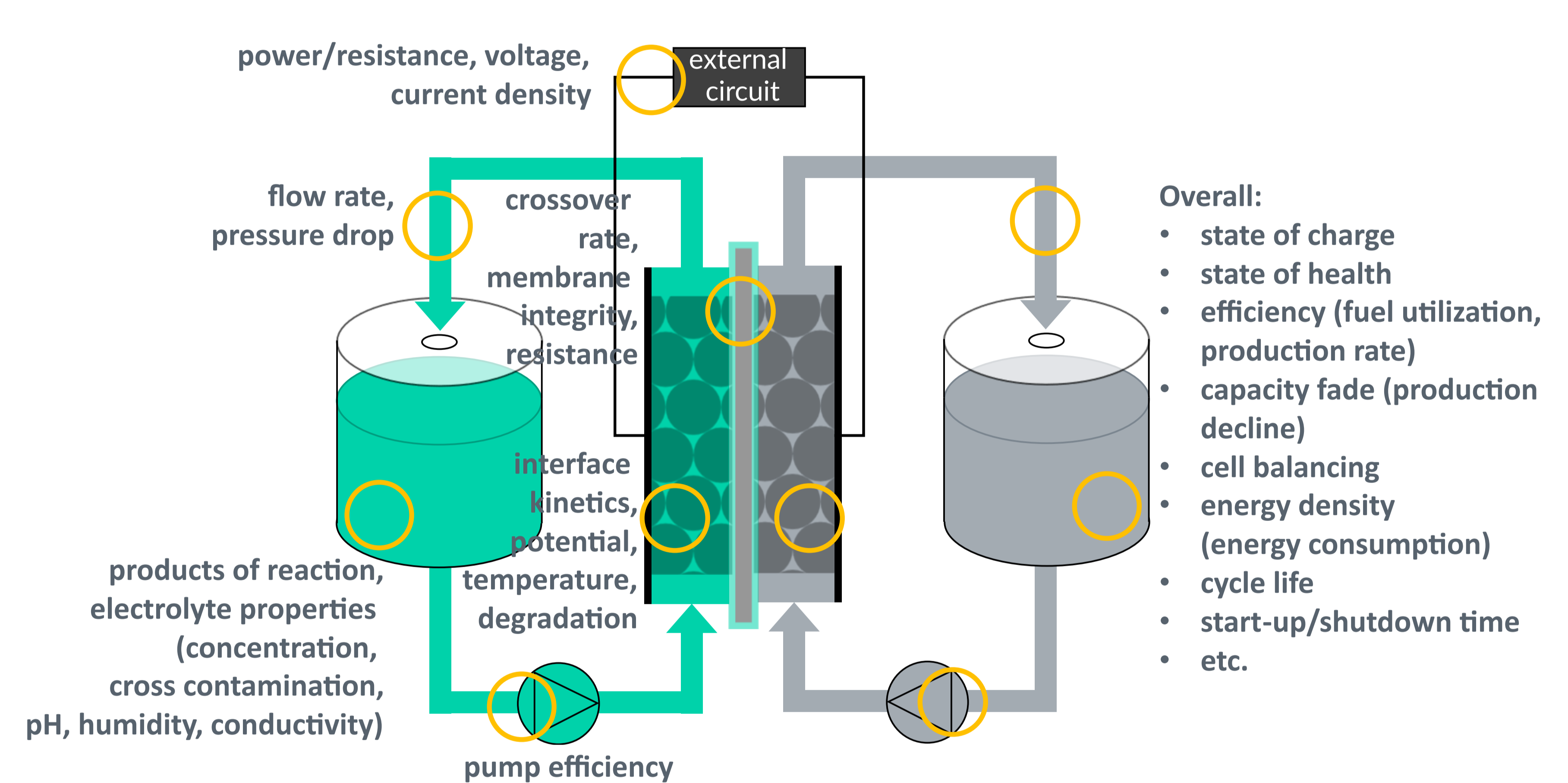


- Different electrode materials
- Different flow field designs and transport layers
- Different current collector materials
- Different operational conditions and procedures

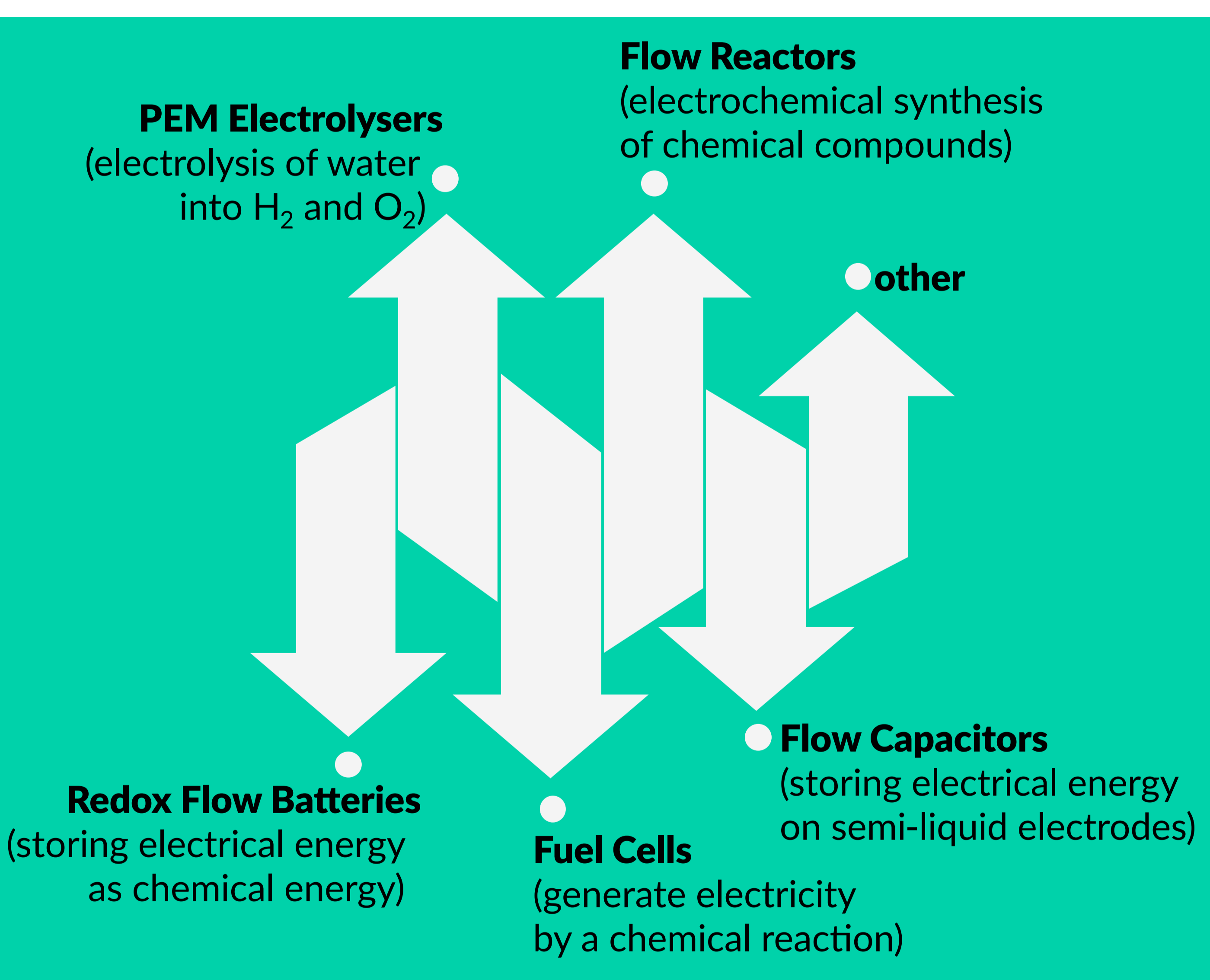
Typically, a non-symmetrical hardware

Why do we monitor these parameters?

- To generate knowledge
- To identify potential issues early and to ensure safety
- To optimize performance and efficiency
- To ensure the longevity of the system



- Overall:
- state of charge
 - state of health
 - efficiency (fuel utilization, production rate)
 - capacity fade (production decline)
 - cell balancing
 - energy density (energy consumption)
 - cycle life
 - start-up/shutdown time
 - etc.



Entry Point	Techno-economic Modelling	Pilot Project
<ul style="list-style-type: none"> Academia Startups SMEs Large Industry Publicly Funded Consortia 	<ul style="list-style-type: none"> Technical Assessment Pre-safety Assessment Concept Forming 	<ul style="list-style-type: none"> Material Scaleup Electrode Forming System Adaptation Testing & Characterization Pilot Line & Demonstrator



WISE Researchers and other interested entities are welcome !

The research project is defined at this stage, and its feasibility is assessed

The research project is carried out at the testbed with the support of WIRA - SET team