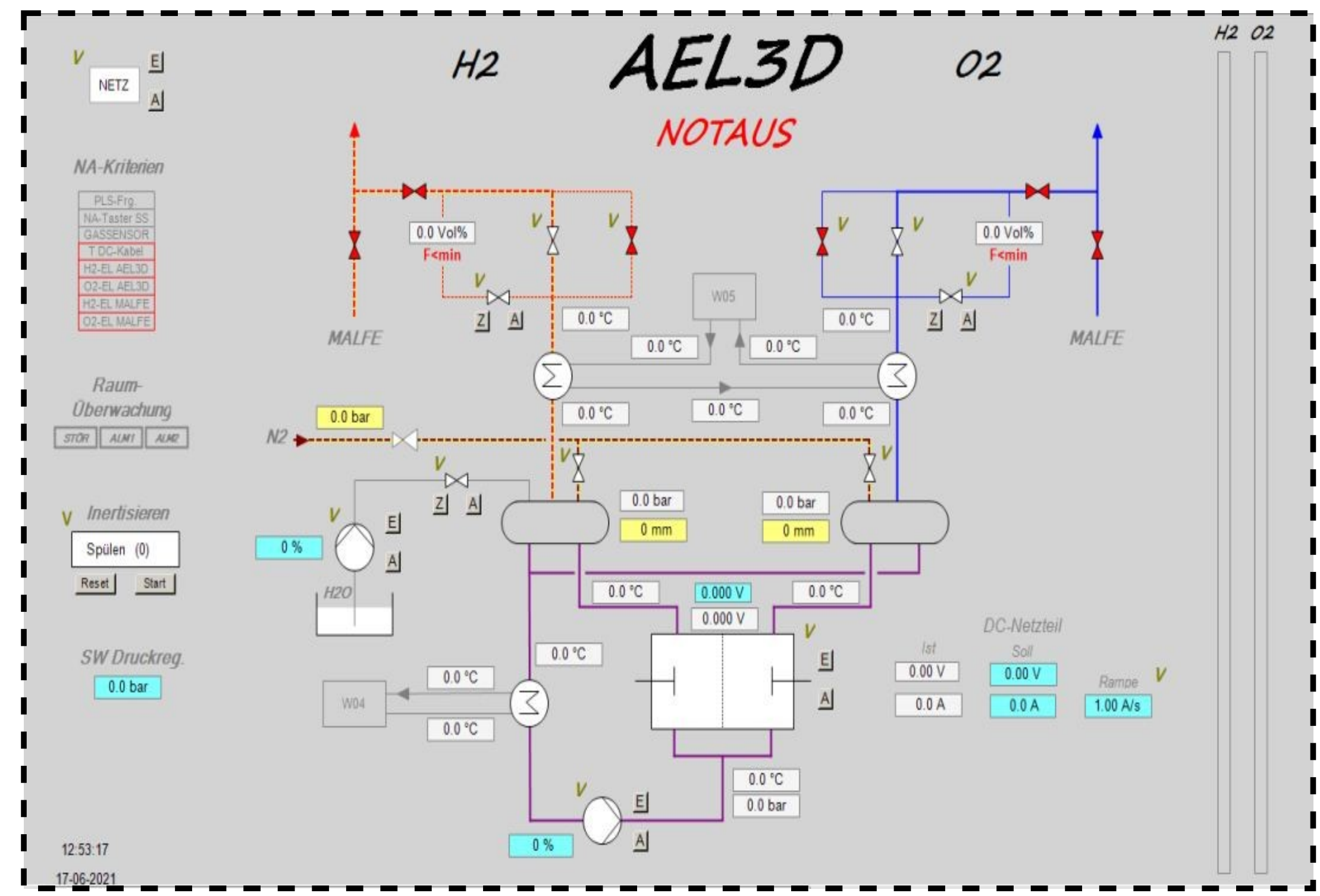
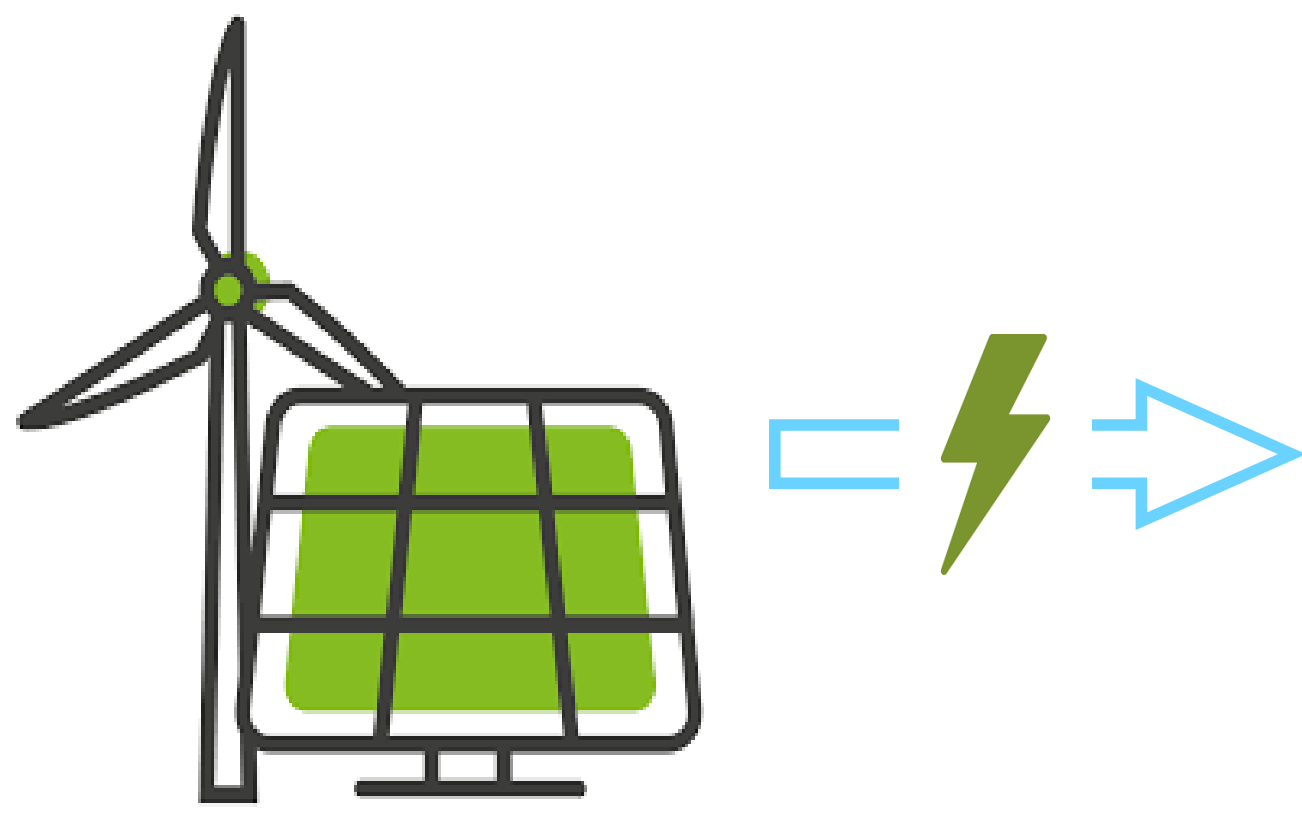
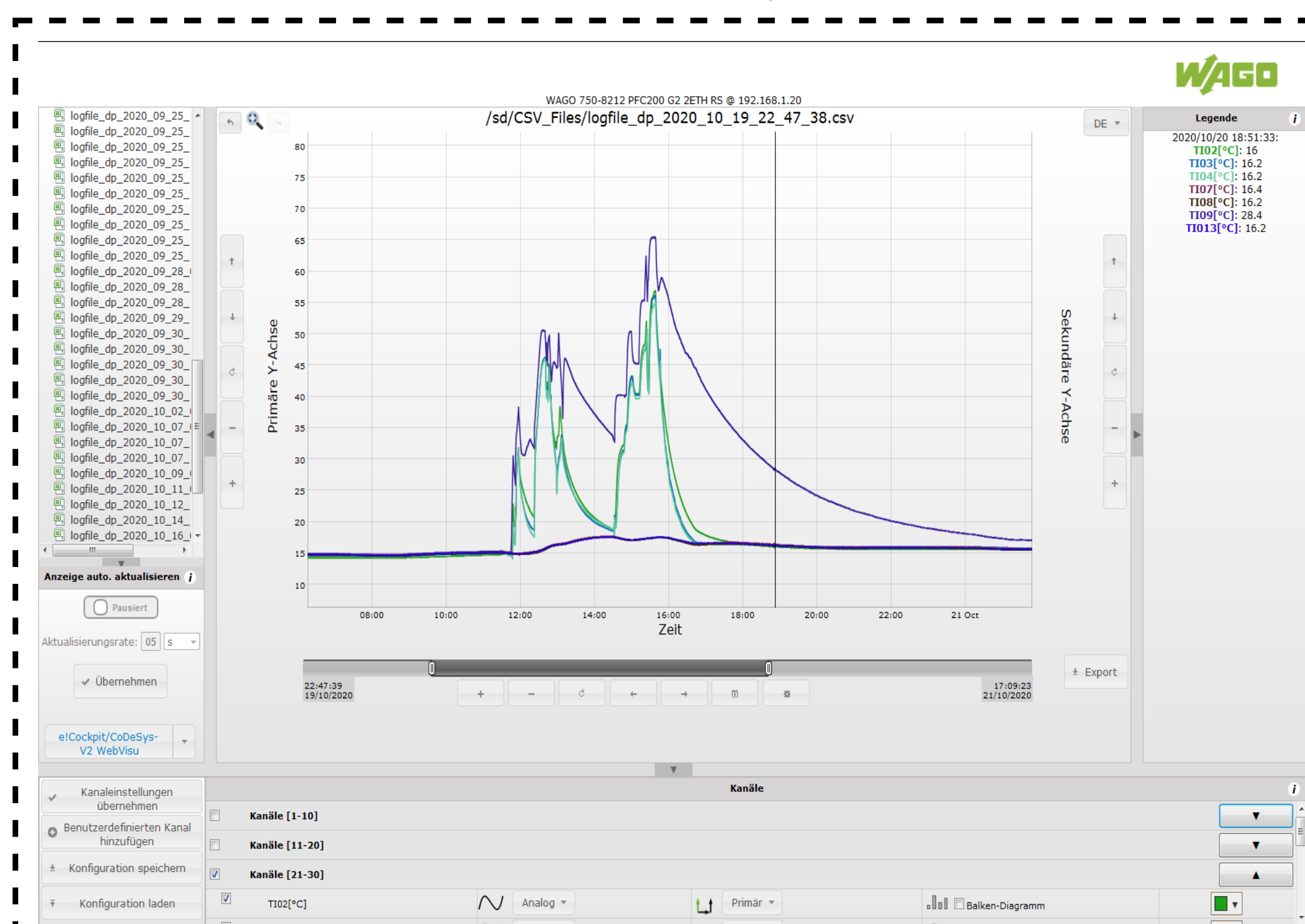


Digitaler Zwilling

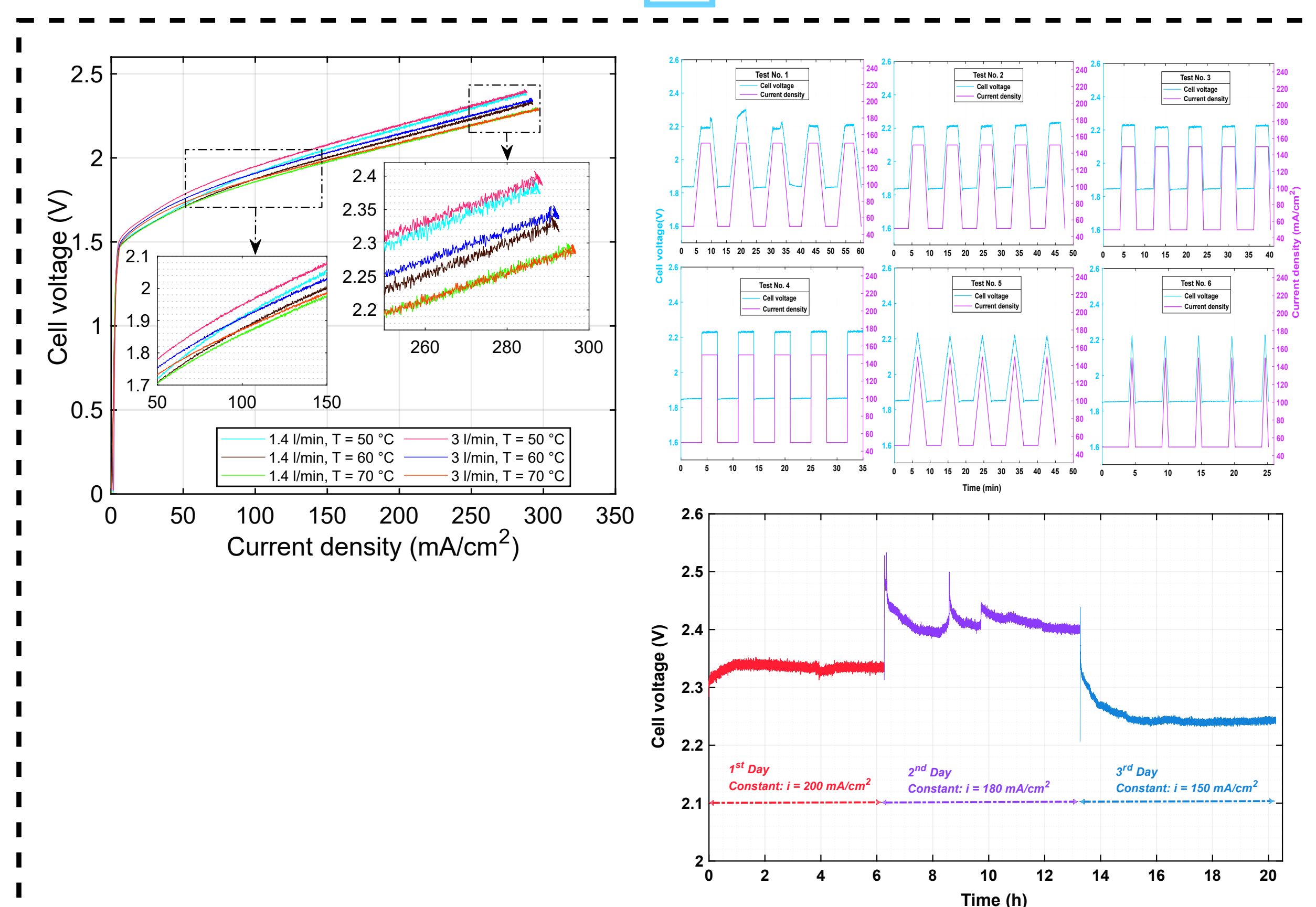
Wasserstoff-Erzeugungssystem



Echtzeit-Datenübertragung

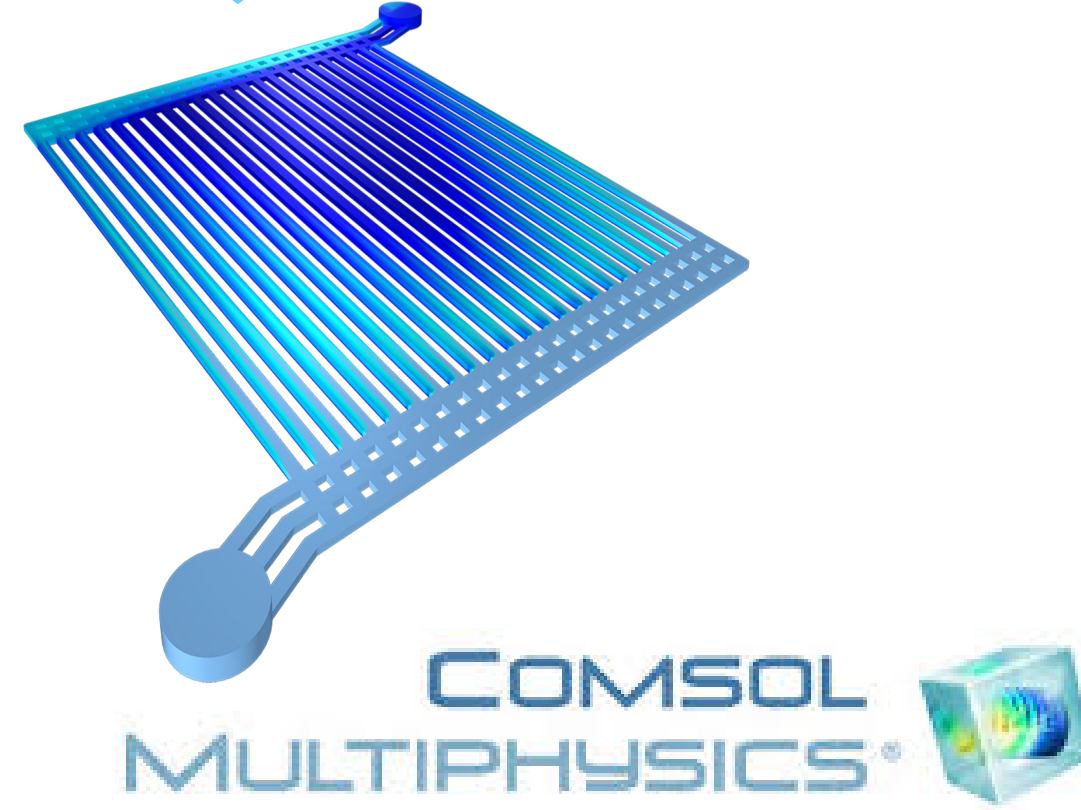
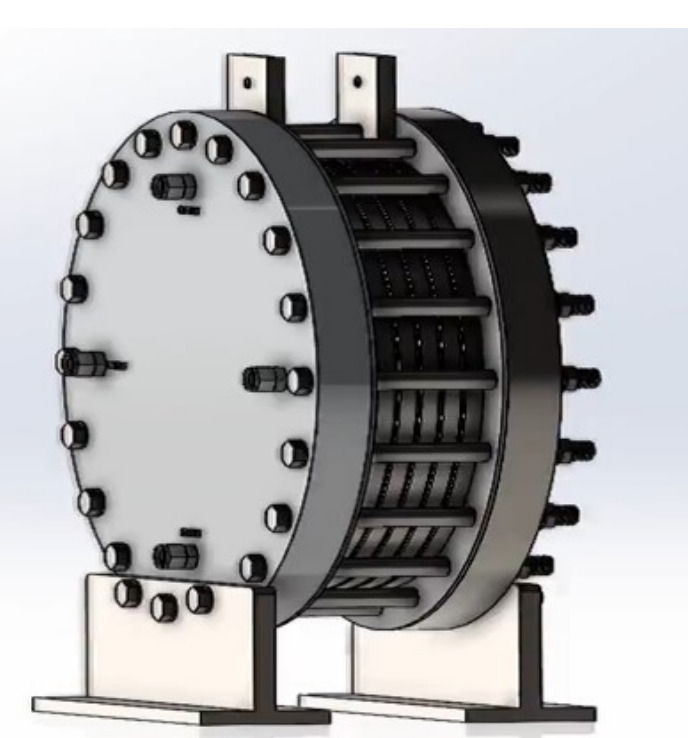


Datenspeicher
(Prozessparameter): Temperatur, Spannung, Strom, Volumenstrom, Druck etc.

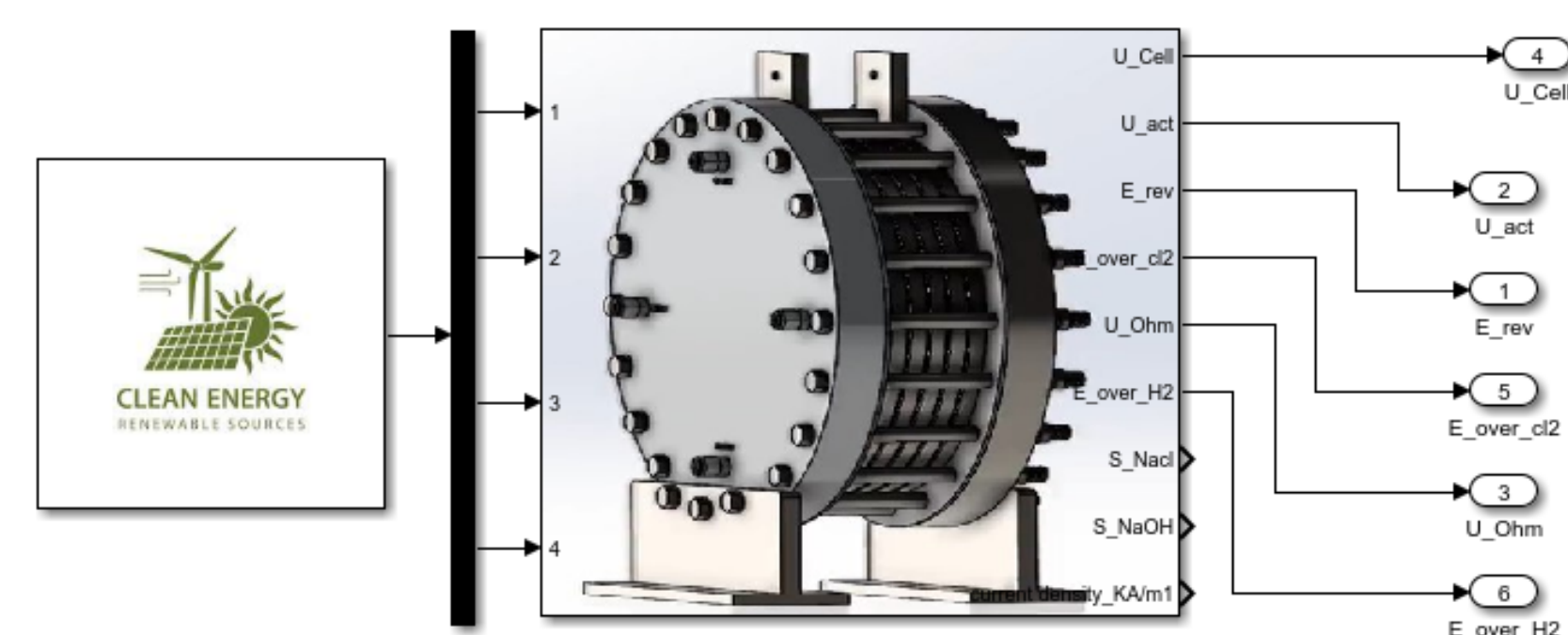


Vorschläge zur energetischen Prozessoptimierung

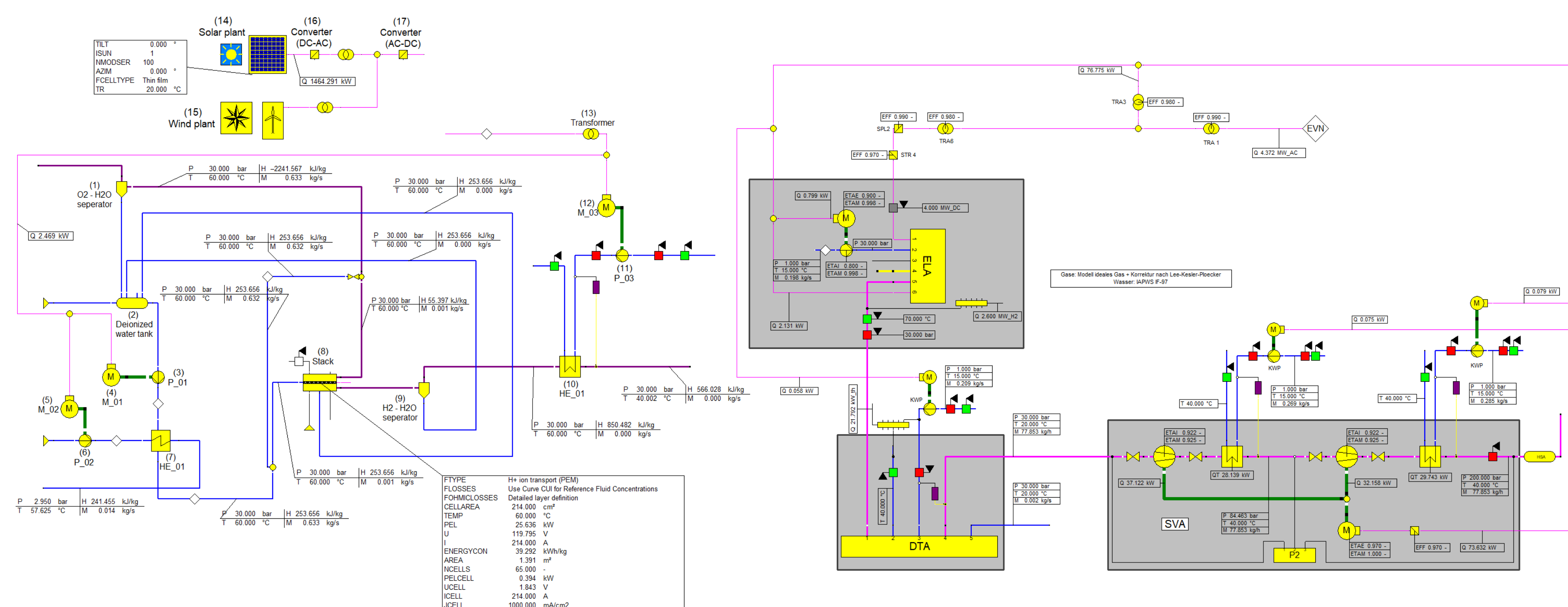
Modellbildung und Simulation



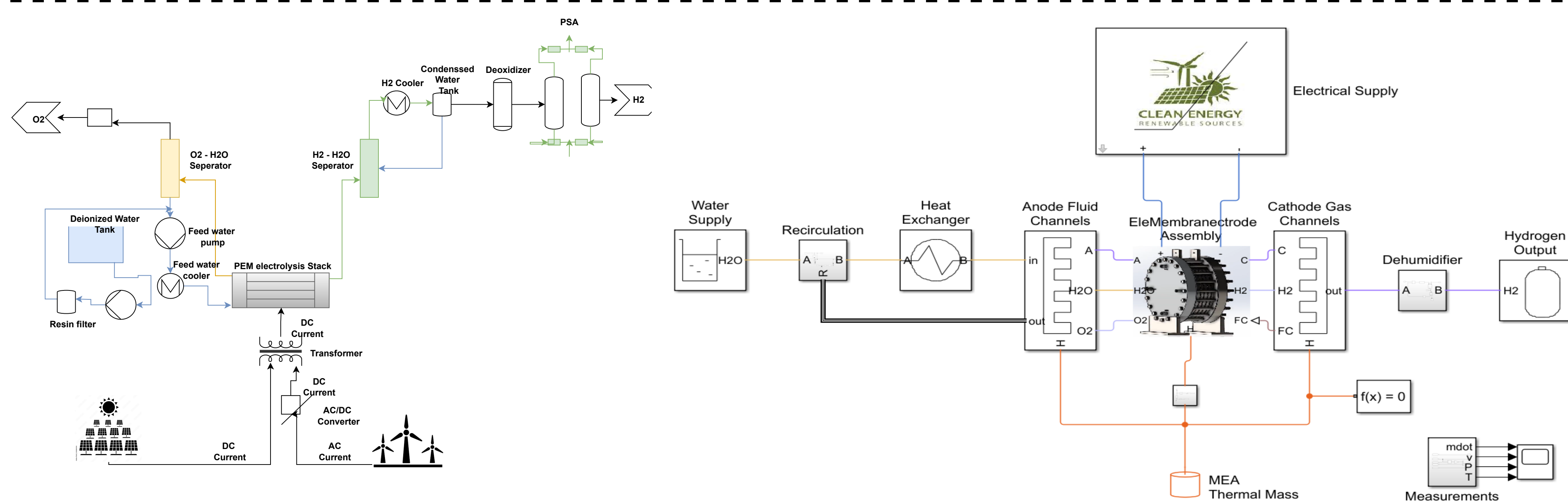
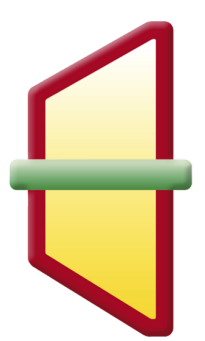
COMSOL: Stack-Modell (numerisch)



MATLAB/Simulink: Stack-Modell



Epsilon®Professional: Prozessmodell (stationär)



MATLAB/Simulink/Simscape: Prozessmodell (dynamisch)

