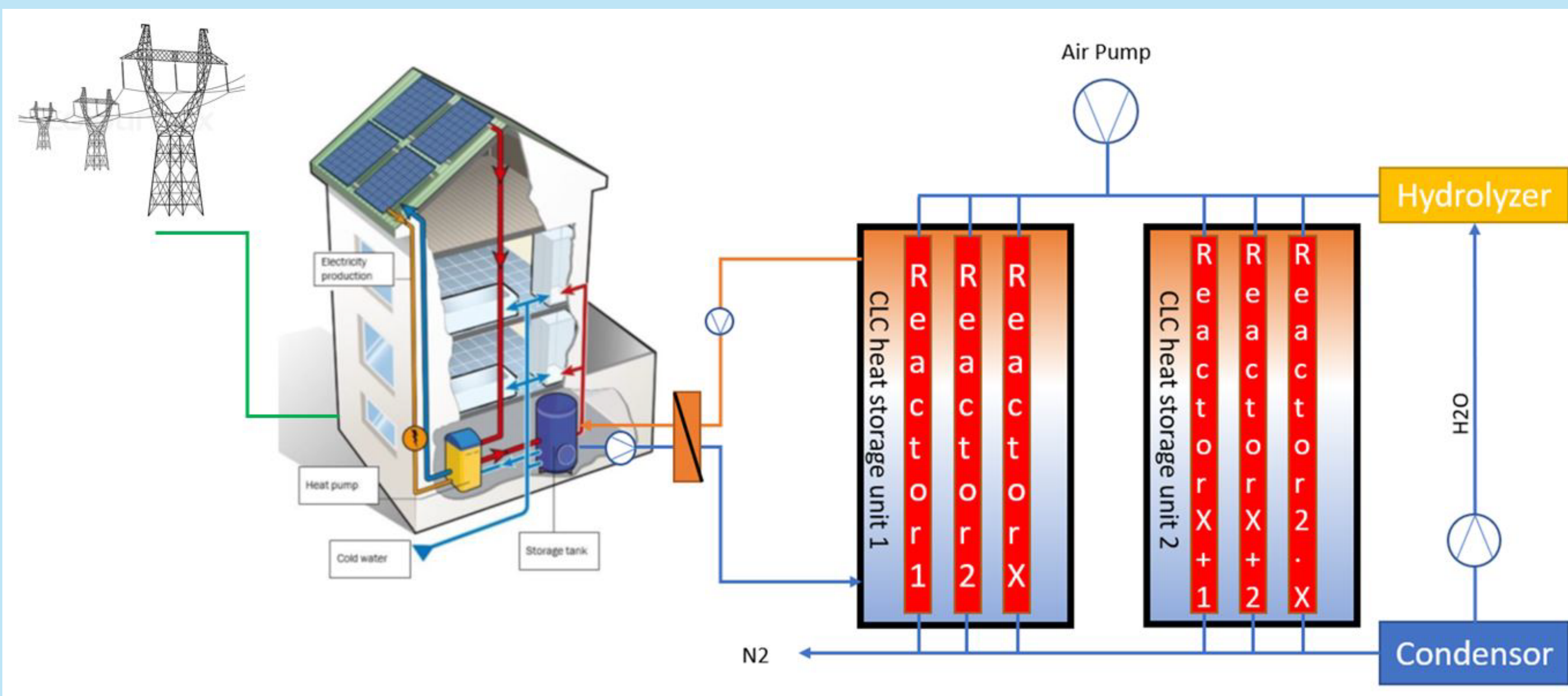


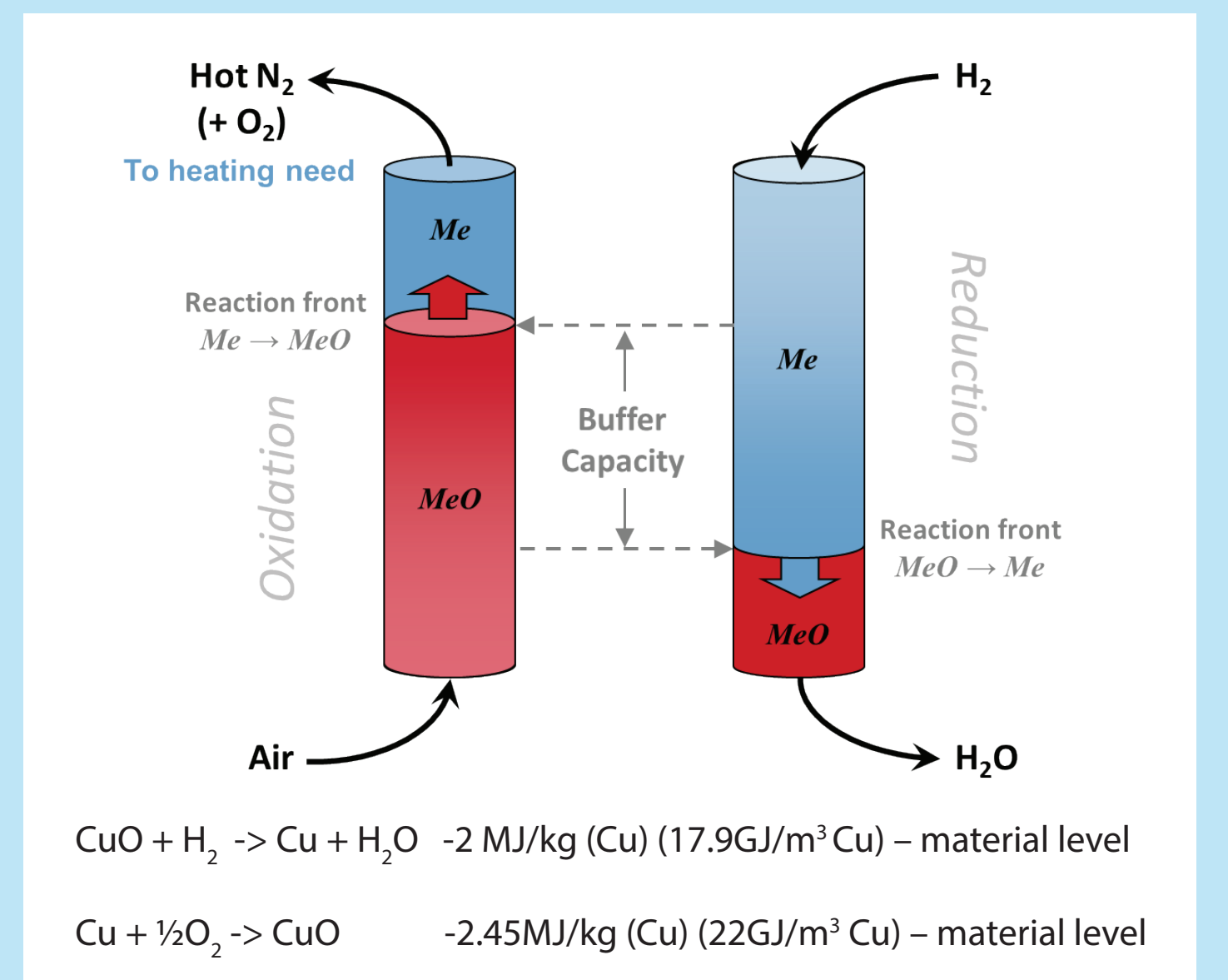
Scope

The purpose of the SCORES system is to provide part of the electricity and heating demands of a building from renewable sources. Part of the system will be a Redox-heat storage system that will serve as a long-term heat storage. The system will be able to store excess electric energy from the grid or PV(T) in a form of heat that could be recovered later for the use in the building thus potentially reducing the loads on the grid itself.

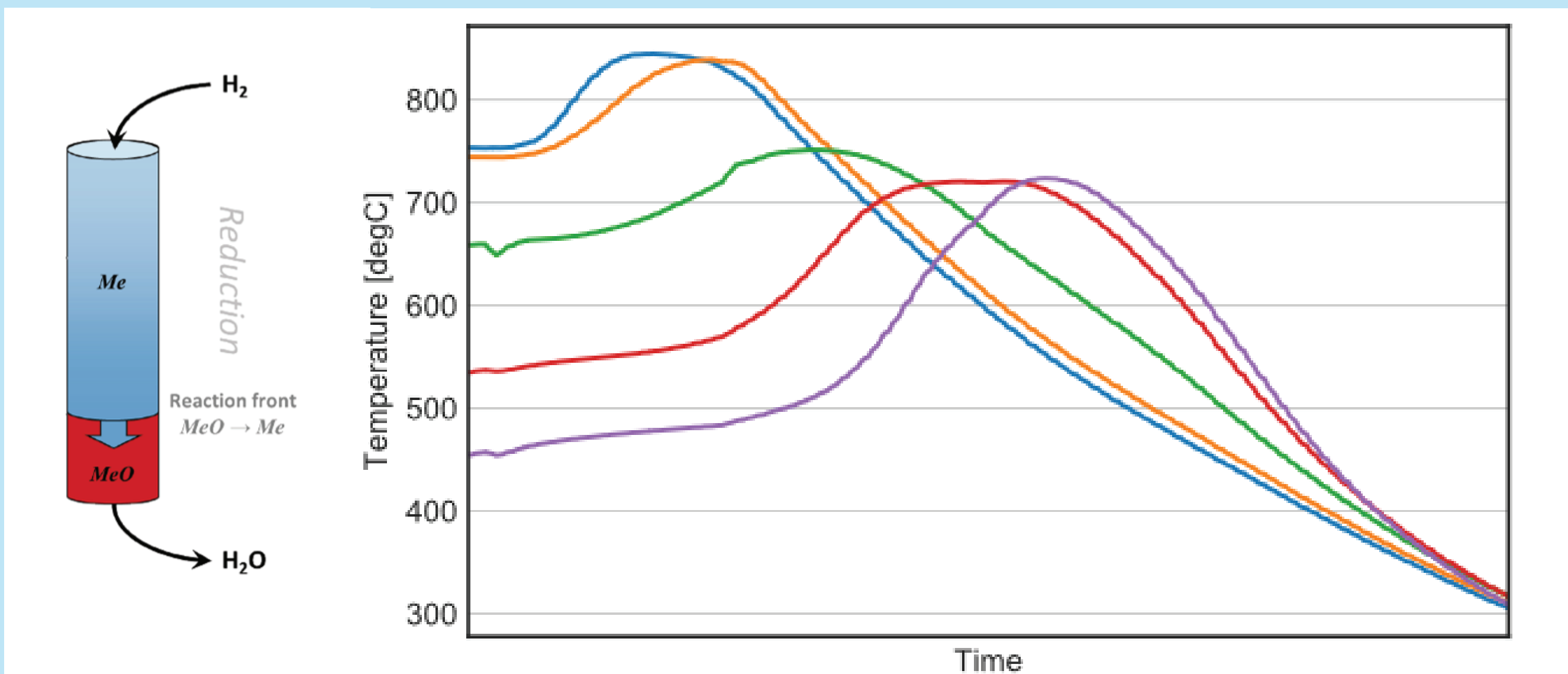
REDOX-HEAT system integrated in the building



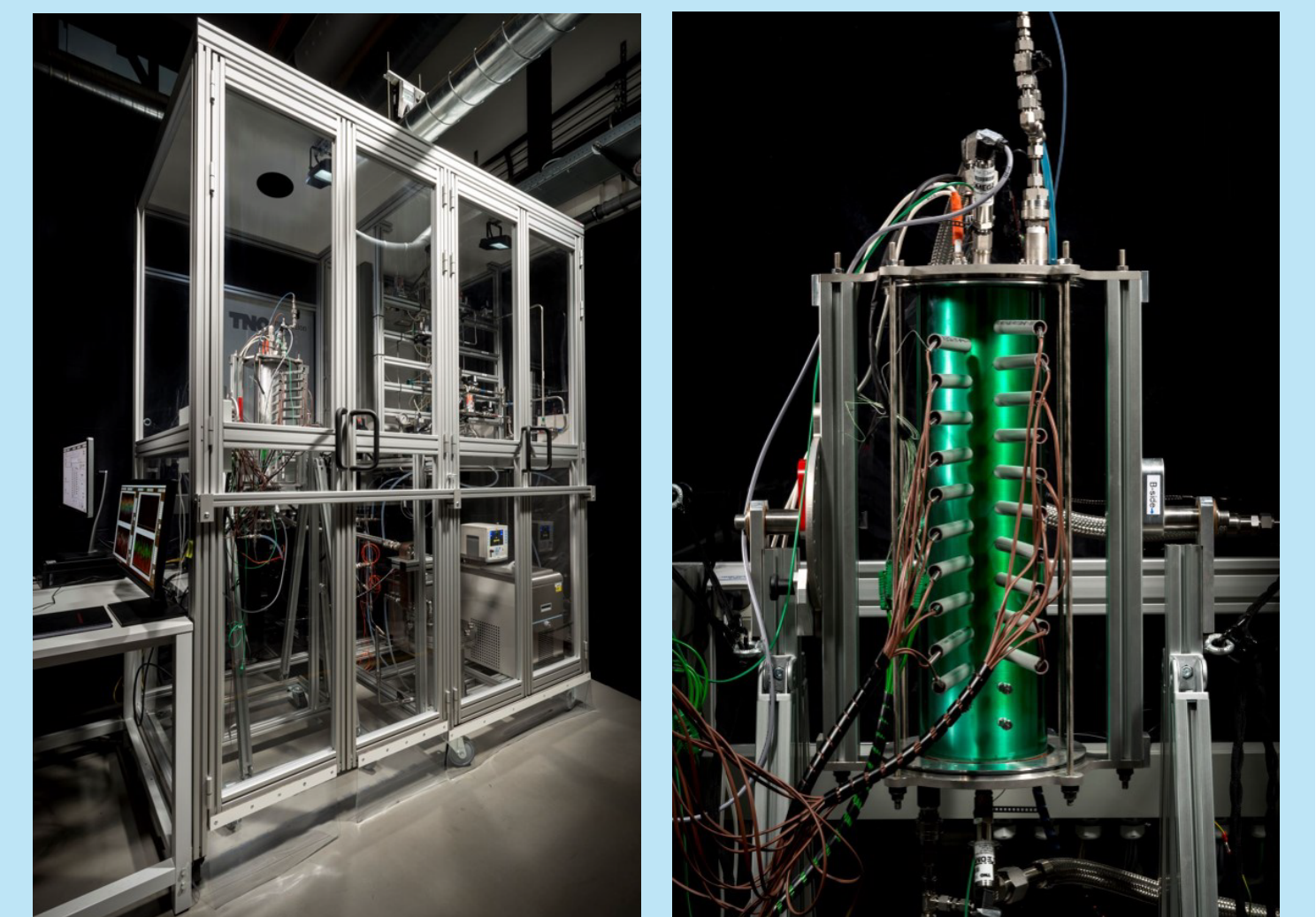
Principle behind REDOX-HEAT battery



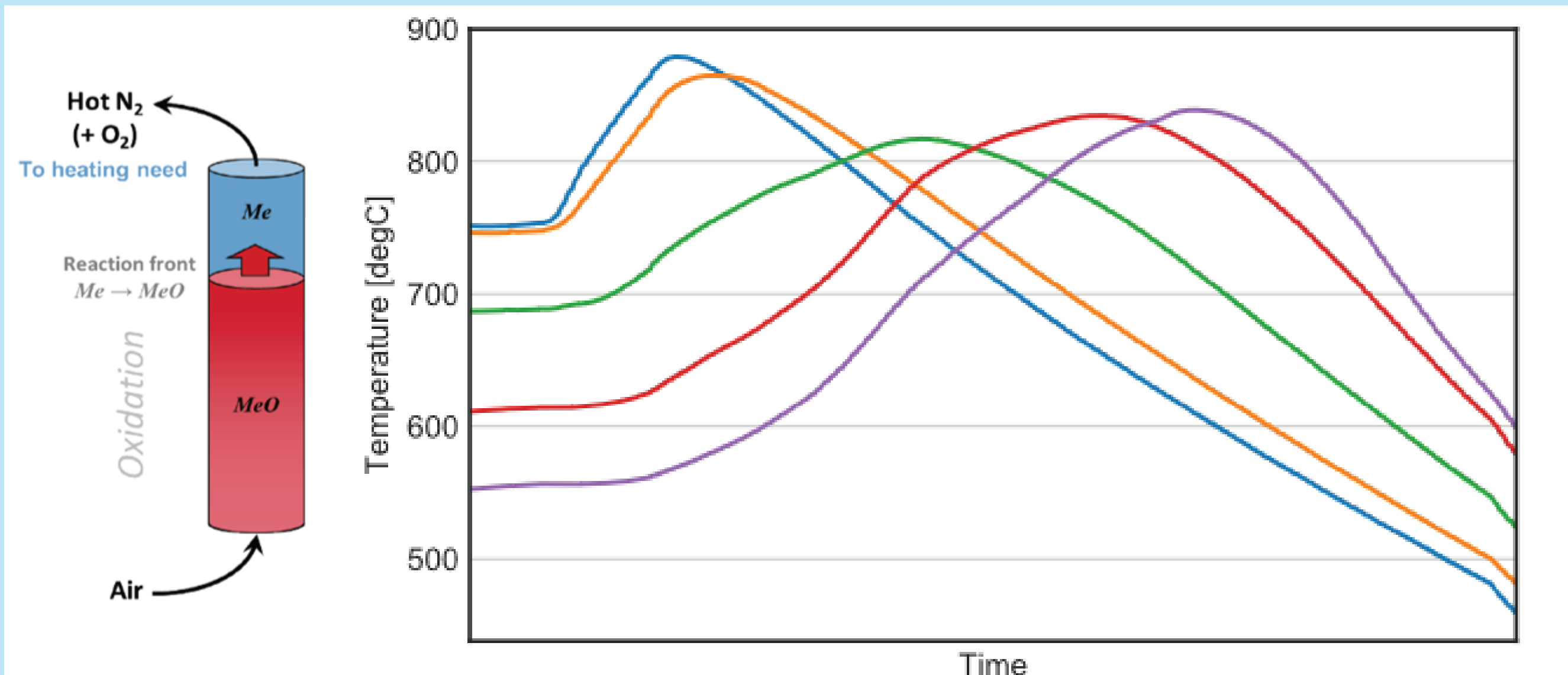
Charging (Reduction)



REDOX-HEAT Test setup



Discharging (Oxidation)



Project partners



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