New manufacturing approaches for Hydrogen Electrolysers to provide Reliable AEM technology based solutions while achieving Quality, Circularity, Low LCOH, high Efficiency and Scalability

HERAQCLES aims to achieve a set of innovative solutions leveraging stack and system design, novel materials development, automated manufacturing processes, and component recycling processes to industrialise AEM electrolyser technology.

Focus is on developing a cost-effective stack architecture combined with advanced automated sequential manufacturing processes delivering a qualified 25 kW stack with quantifiable high performance, sufficient durability at low capital costs.