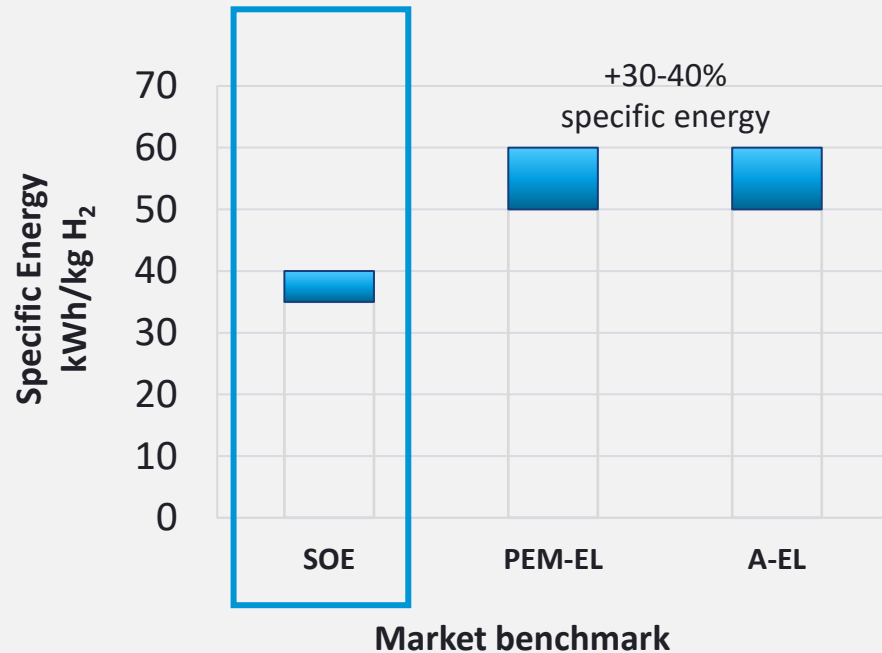


# Reversible Solid Oxide Electrolysis for Green Hydrogen and Power-to-X



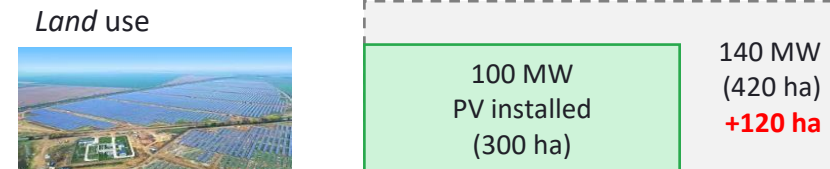
Reversible operation	✓	✗	✗
Co-electrolysis	✓	✗	✗

## With SOE: more hydrogen per MW installed

- **30-40% larger electrolyzer installed capacity** required with ALK/PEM electrolyzer for the same H<sub>2</sub> production



- **30-40% more Capex and land** required for RES with ALK/PEM



## With reversible SOE: less battery and grid backup systems

- Reversible operation from gas storage & networks

