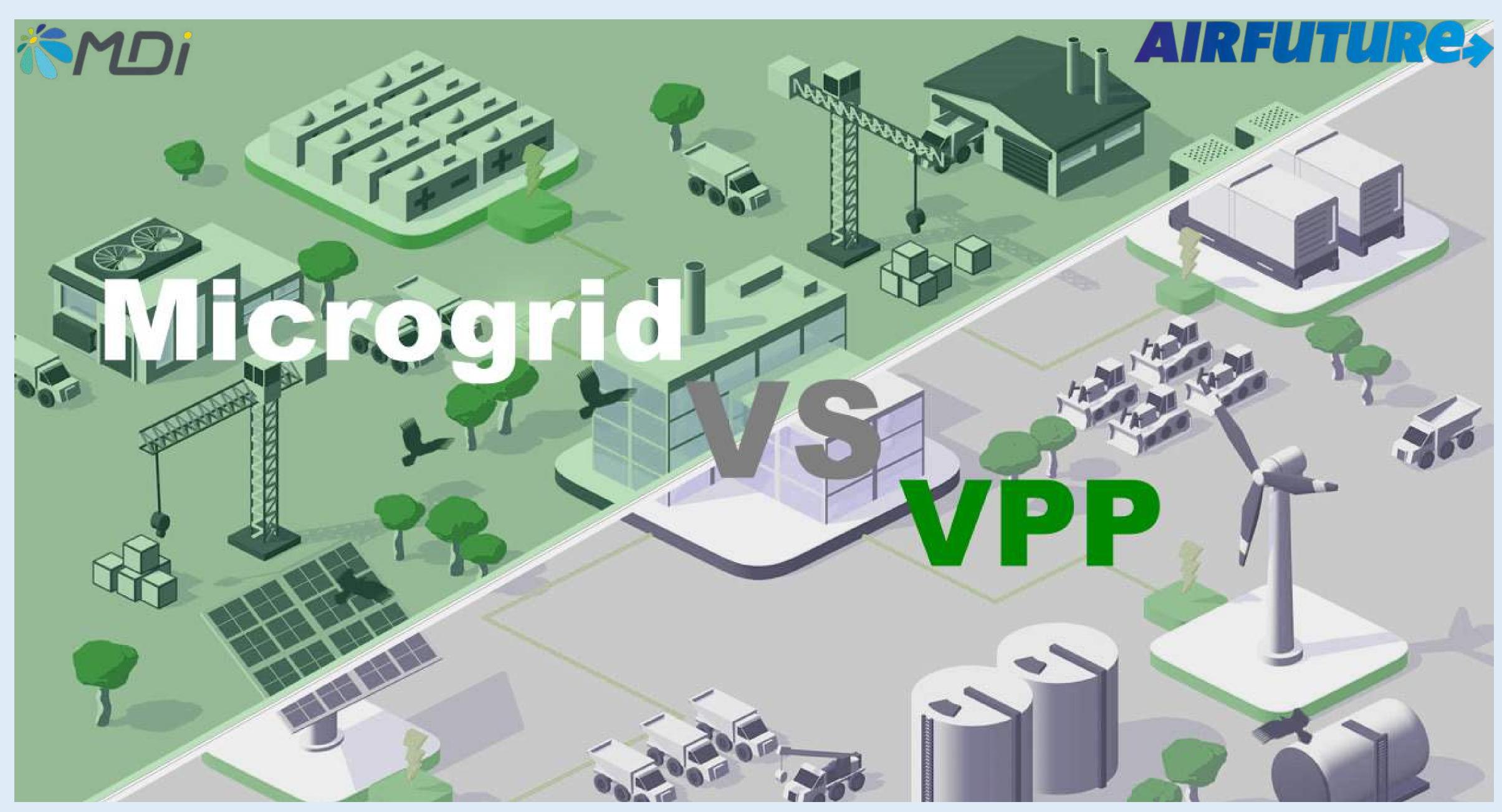


#### 1. ENERGY MODERNISATION VIA MCAES/TES

- A new era for energy storage design & manufacture
- Electrification
- Decarbonisation
- Decentralisation



mCAES has solutions for industry scale



Microgrid Vs VPP. mCAES technology enables all alternatives



#### 2. MCAES/TES TECHNOLOGY

- Unique modularity & scaling
- Science & engineering
- Capacity & Duration
- Efficiency & Efficacy













**Above:** The Research Laboratories **Below:** The Storage Laboratory

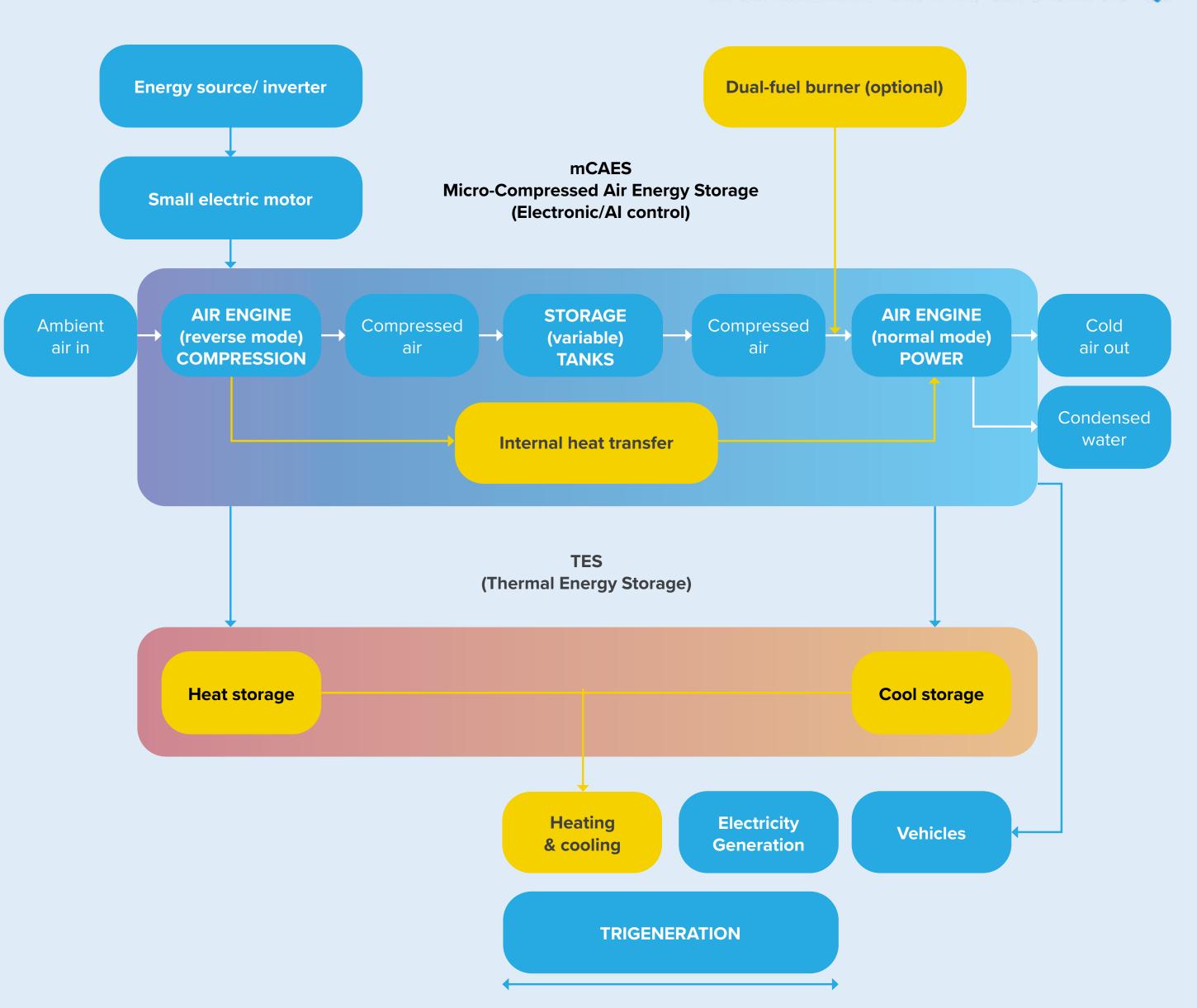




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# MCAES/TES MODULARITY SYSTEM

- Energy storage, trigeneration, and vehicle propulsion



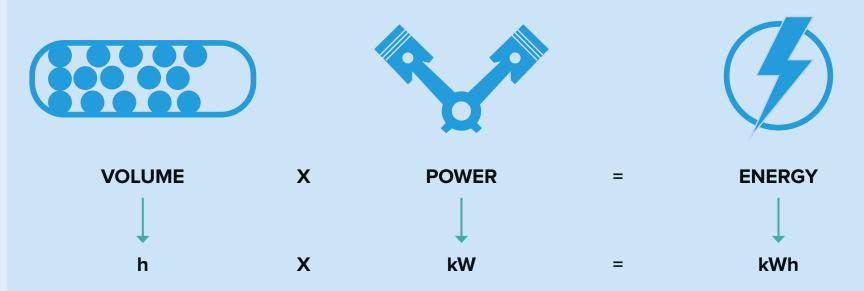


#### 3. CENTRALISED STORAGE CHALLENGES

- Cost, carbon & deliver
- Centralised utility storage
- Decentralised locational storage
- Sharing, resilience & reliability



**AIR ENERGY CONVERSION** 



**Above:** Capacity & duration are decoupled







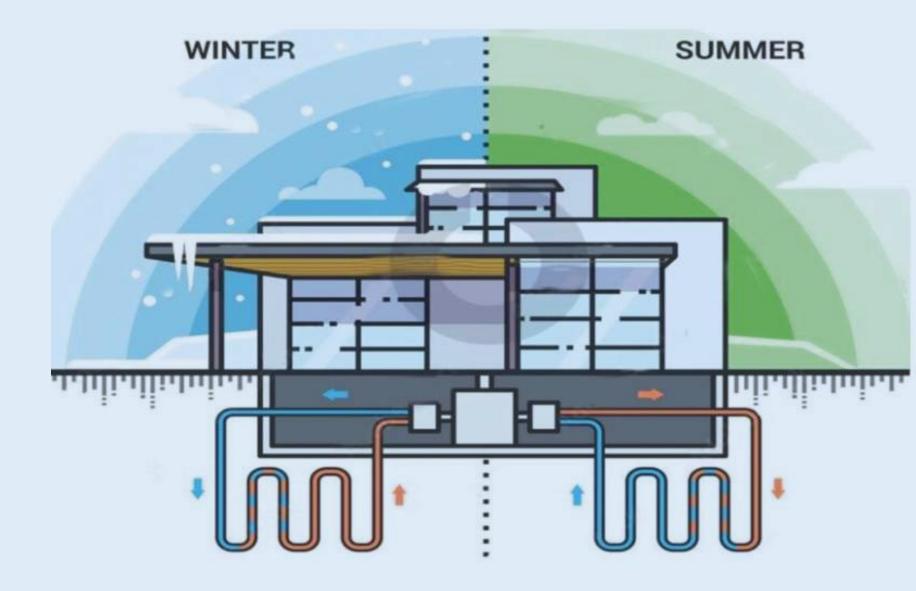


# 4. DECENTRALISATION STORAGE POTENTIAL A world of energy sharing

- Individuals & communities
- Commercial & industrial
- Shared storage farms



MCAES is replicable & adaptable across regions globally.



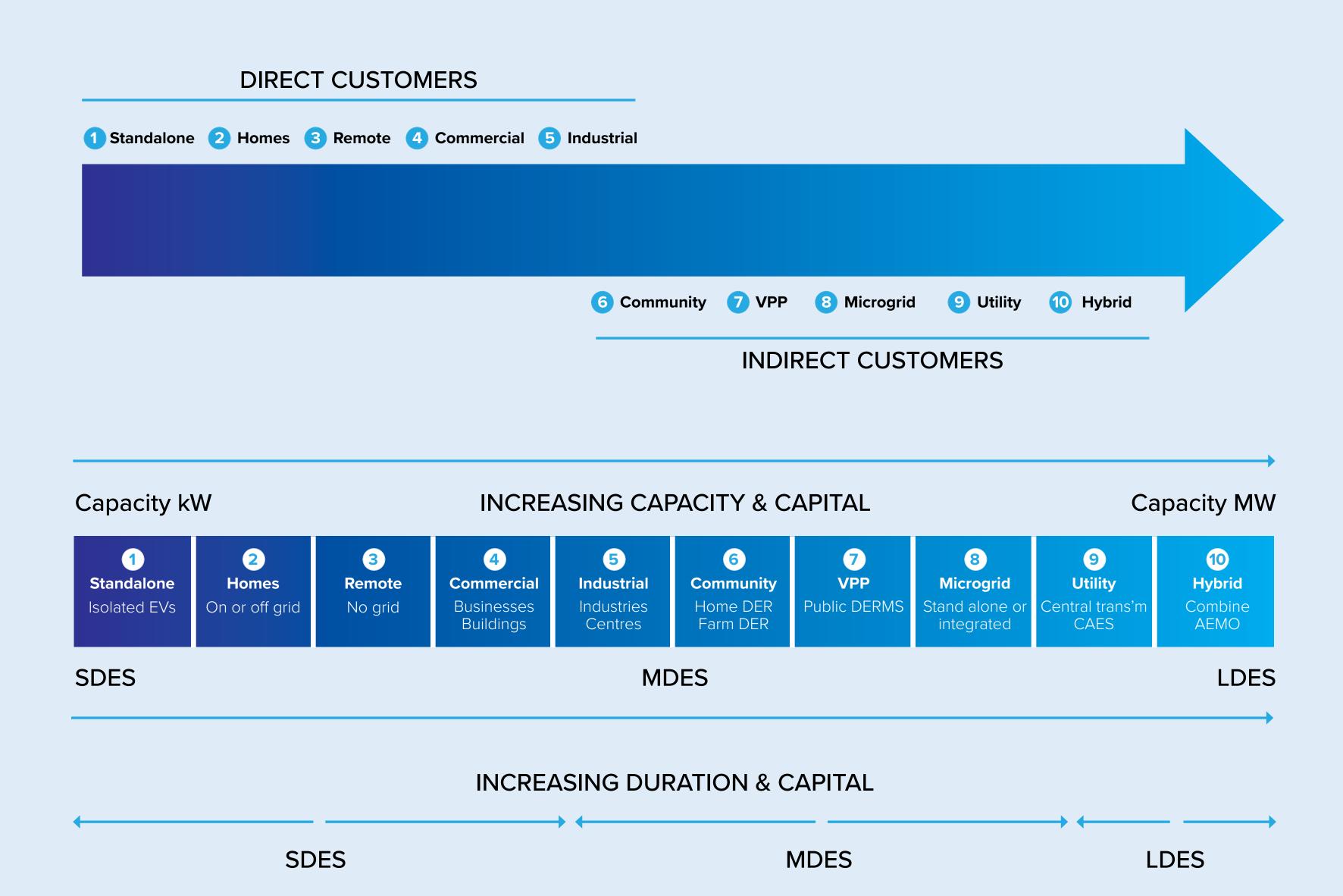




### THE MIDDLE DURATION DECENTRALISED STORAGE GAP

The top larger arrow shows the increasing size of storage.

The bottom group of arrows show where the storage sizes fit for various markets.





# 5. DISTRIBUTED & REGIONAL MANUFACTURE

- Control & benefits to the regions
- Outsourcing manufacture
- Factory manufacture
- Regional industry

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We can either outsource the manufacturing and assembly, or we can build a dedicated turnkey micro factory as part of regional growth. Above shows the outsourcing for the AirTrain.



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**Above:** Examples of commissioned mCAES vehicles

**Above:** Modularity demonstrated across many vehicle models

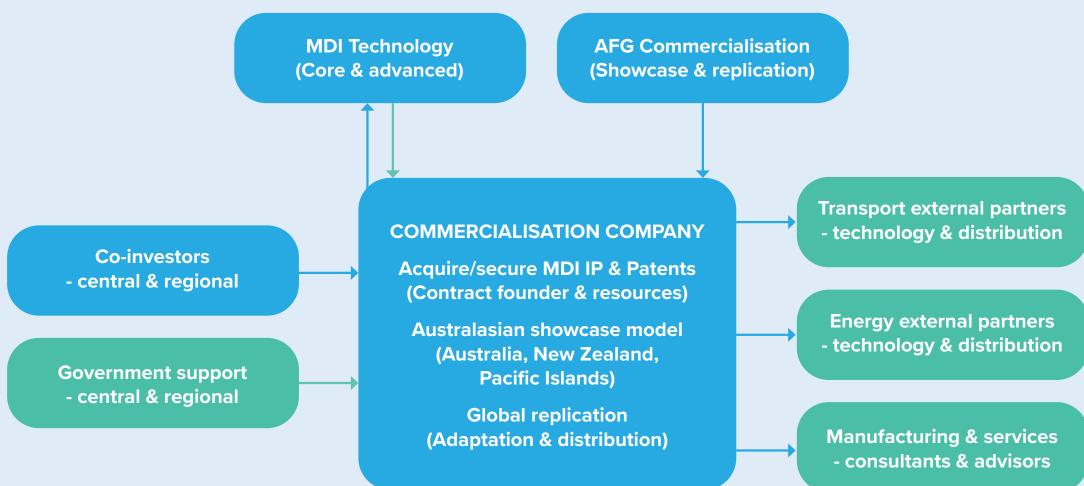


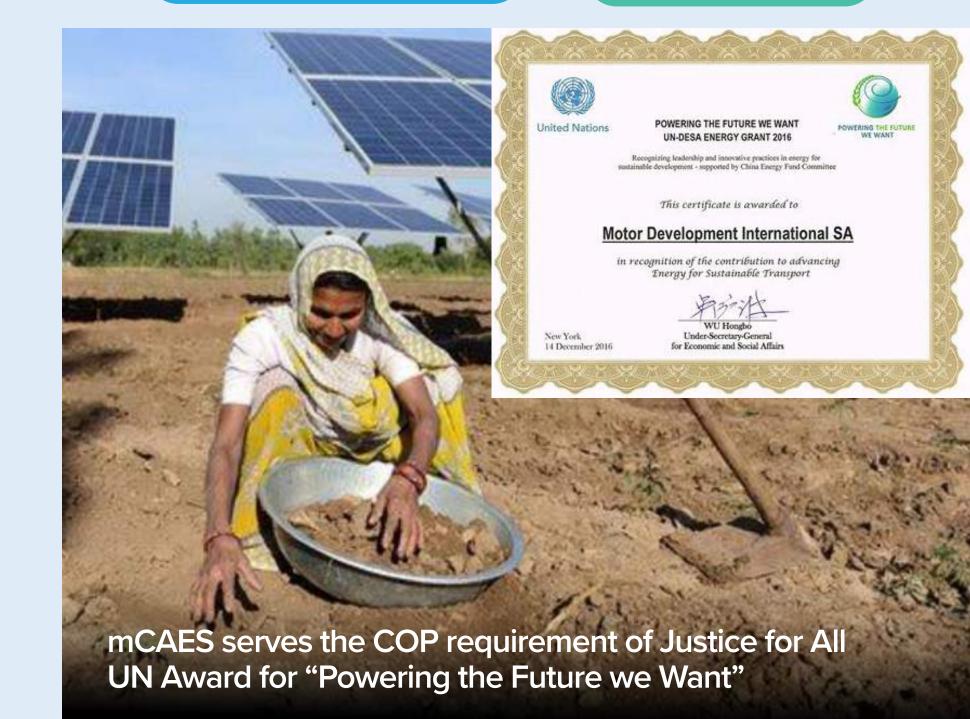
#### Business resources structure for speedy traction

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# 6. AUSTRALASIAN SHOWCASE & GLOBAL REPLICATION

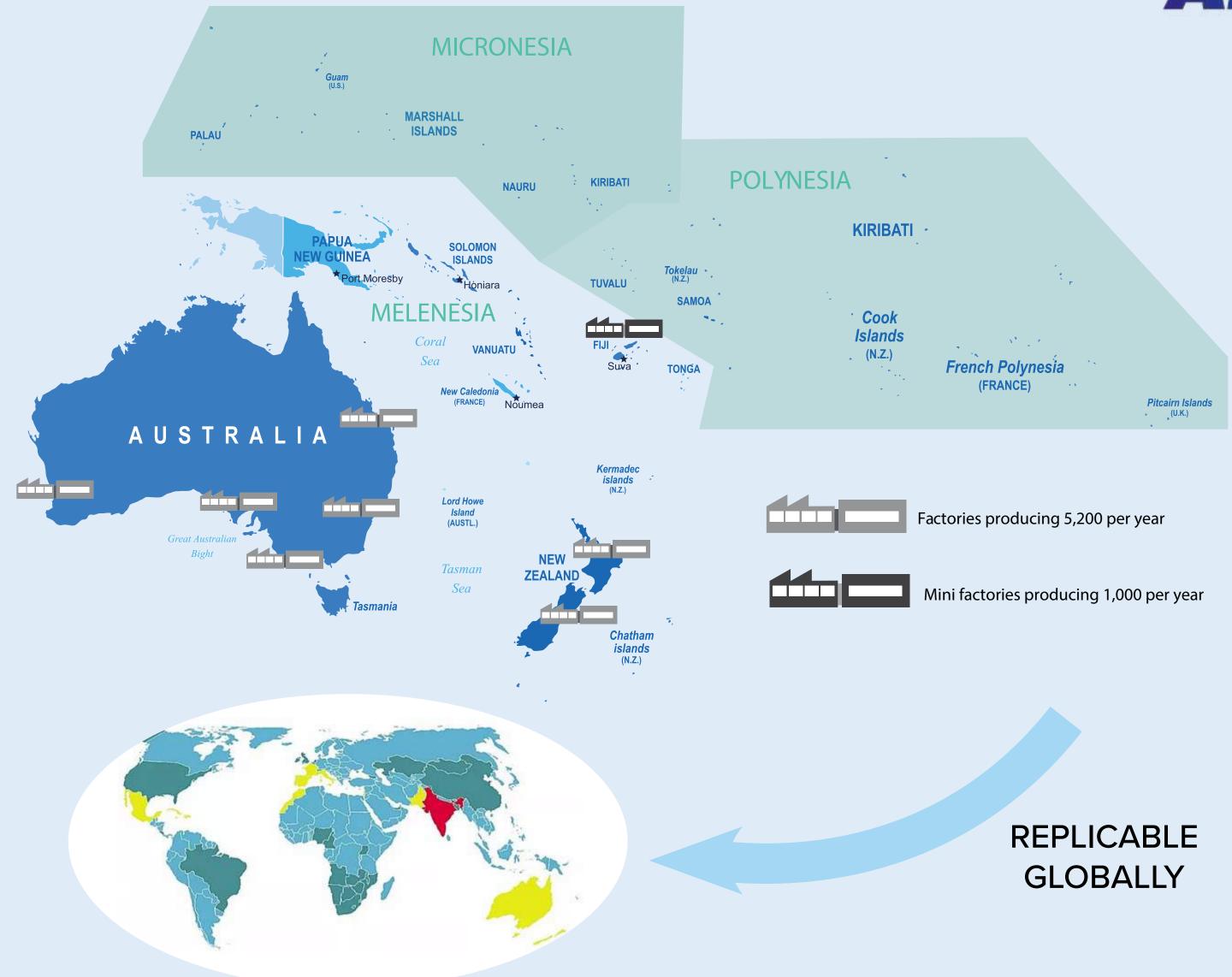
- Sponsoring new renewables industries
- Resources & projects
- Replicability & adaptability
- Distributed regional resources















# THE AIR FUTURE & MDI EXECUTIVES IN THEIR EUROPEAN COMMERCIAL WORKSHOPS.







Above: Chairman Russell Fitts at the wheel of the later CAEV development model AirPod 2.0



Above: CEO John Mennega driving early CAEV on MDI test track in France