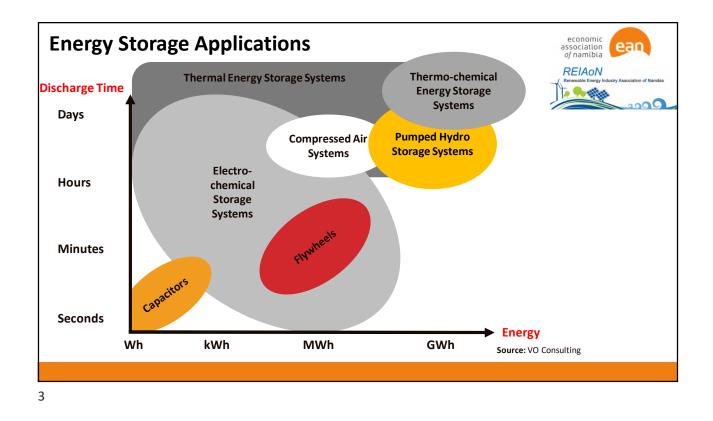
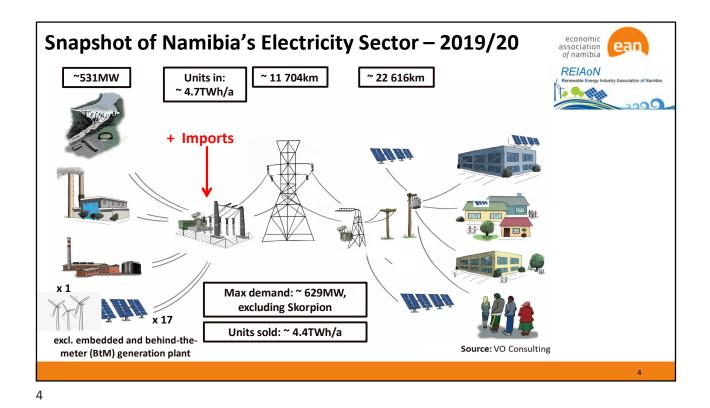
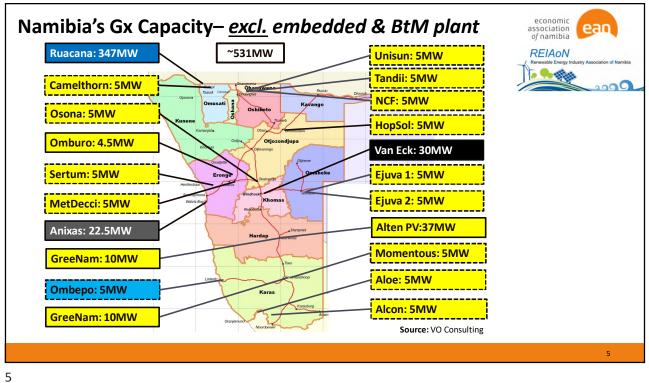


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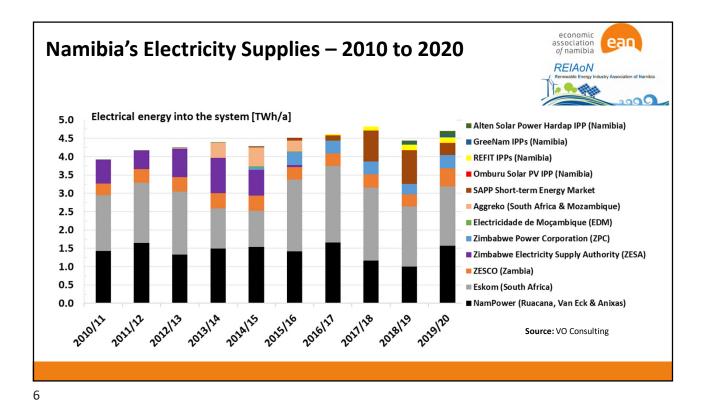


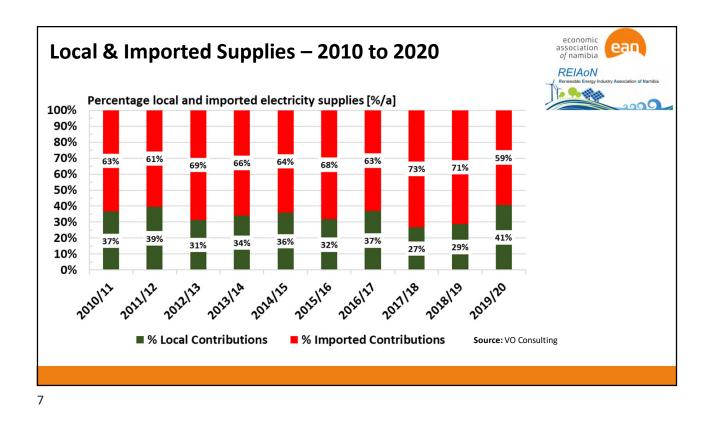


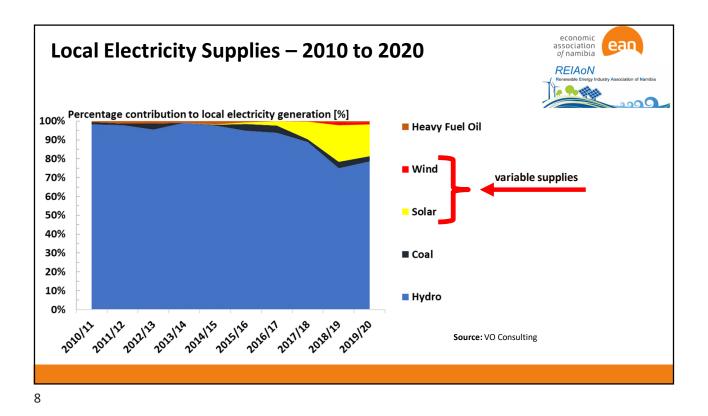
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Potentials for Electricity Storage in Namibia's ESI



Domestic & Commercial Users:

- Electrical energy storage
- Emergency power & UPS capacities
- Maximum demand control
- Off-grid supplies

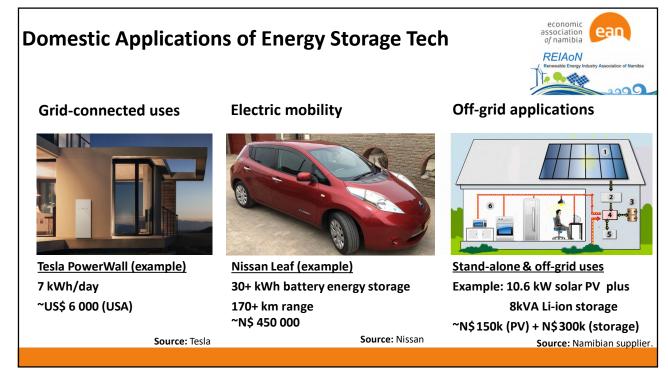
and, increasingly, also for

• electric mobility / transport and others.

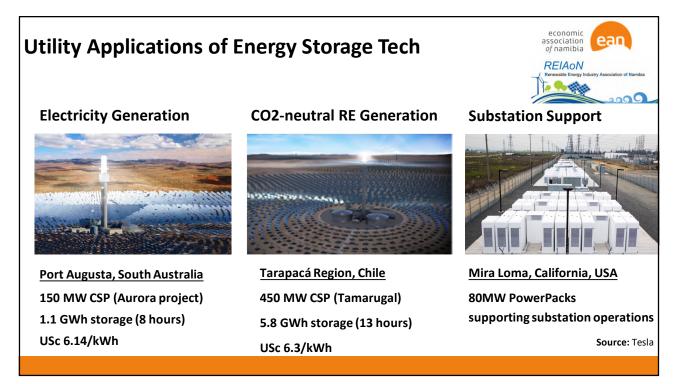
Large Power Users & Utilities:

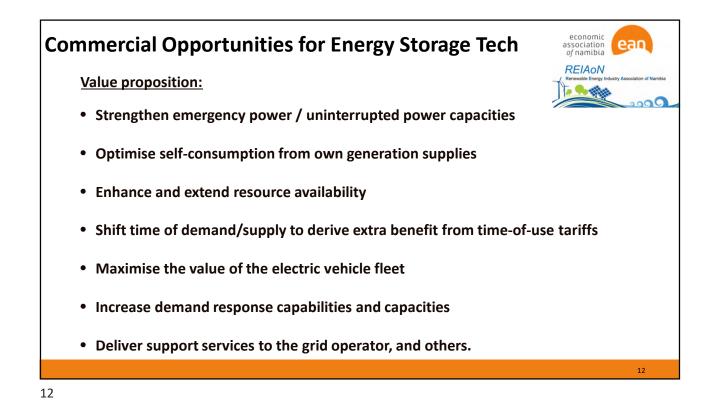
- Time shifting & peak shaving
- Spinning / supplemental reserve
- Voltage regulation & frequency control
- Black-start capabilities
- Delay of infrastructure investments, and others.

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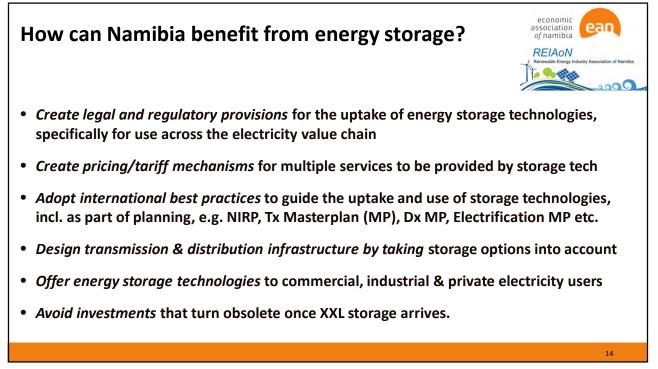
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economic **Take Away Messages** ean association of namibia REIAoN Energy storage technologies add value to local renewable energy (RE) endowments; 1. Local appetite for uptake and use of RE & energy storage technologies exists; 2. 3. Increasingly cost-effective storage further incentivises the uptake and use of solar PV and wind; Namibia must prepare for the arrival of cost-competitive storage tech, incl. the legal, regulatory and 4. statutory provisions - ECB is currently developing regulations; Rapid decline of RE & storage costs profoundly impacts non-renewable generation assets; 5. Energy storage is expected to affect the business models of all electricity utilities; 6. 7. Numerous opportunities exist for suppliers & installers of RE & storage tech; Namibia's storage market is small - solutions that reduce the cost of energy hold further potentials; 8. A handful of local companies have the capacity to implement large RE systems including storage; and 9. 10. Capacity development to benefit from the uptake of RE & storage remains essential - REIAON. 15

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