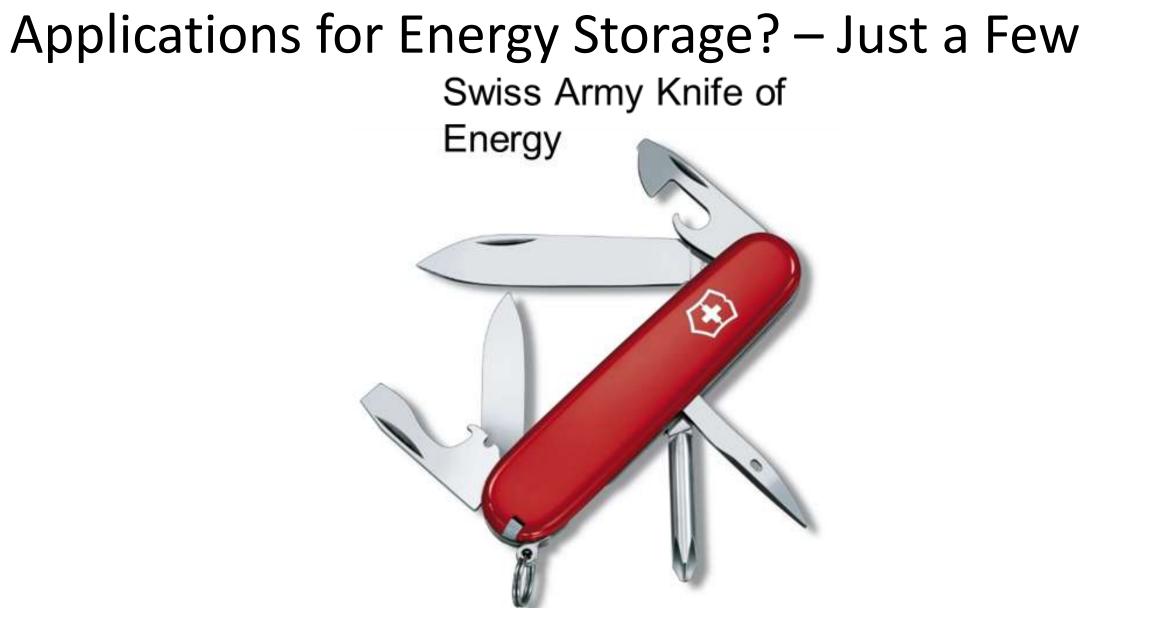
Solar ® Energy Storage Providing balance and harmony for our customers energy needs

Solar Turbines

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Caterpillar: Non-Confidential

100





Spinning Reserve

- Remote, Isolated Site
 - No Grid Connection

- 7 X 5MW Gas Turbines
 - Operates N+1 scenario
 - Average efficiency 23%



Powering the Future

- 10 MW Windfarm
 - Minimize require connections at site

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Spinning Reserve

• Add 5MW Energy Storage

- 7 X 5MW Gas Turbines
 - Operates Energy Storage scenario
 - Average efficiency Increases to 28%

• Save 200,000 kWh a day





UPS Application

- 400 kW Diesel Genset
 - Requires Permitting
 - Document when used

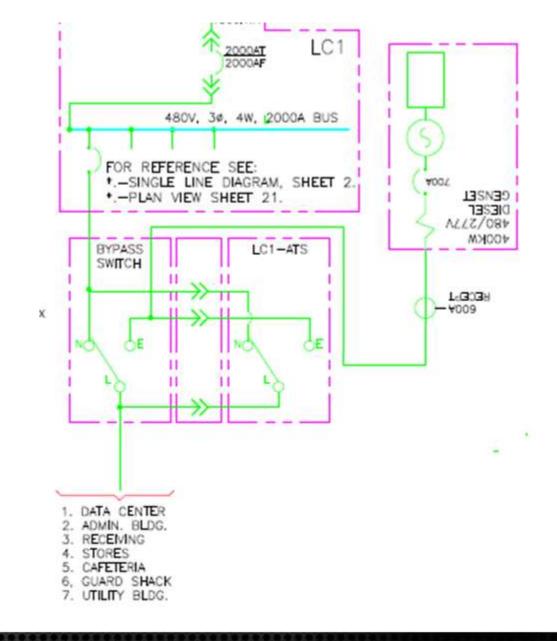
• ATS & UPS

- Supplies Critical Loads
 - Data Centre

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- Admin Buildings



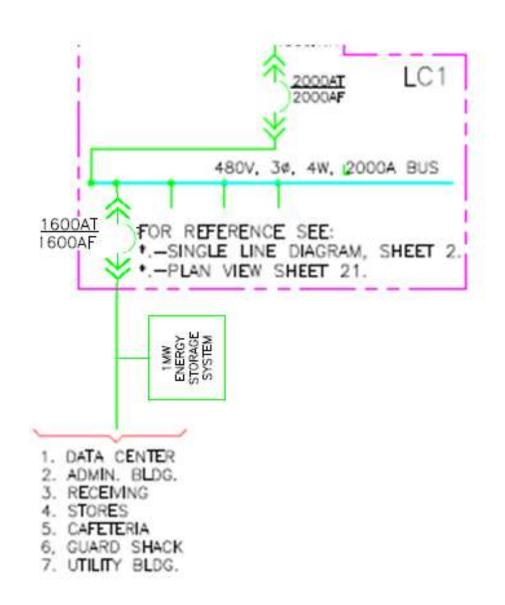
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UPS Application

- Remove Back-up Diesel
 - No Permitting

- Remove ATS/UPS
 - Reduce maintenance

• Savings



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