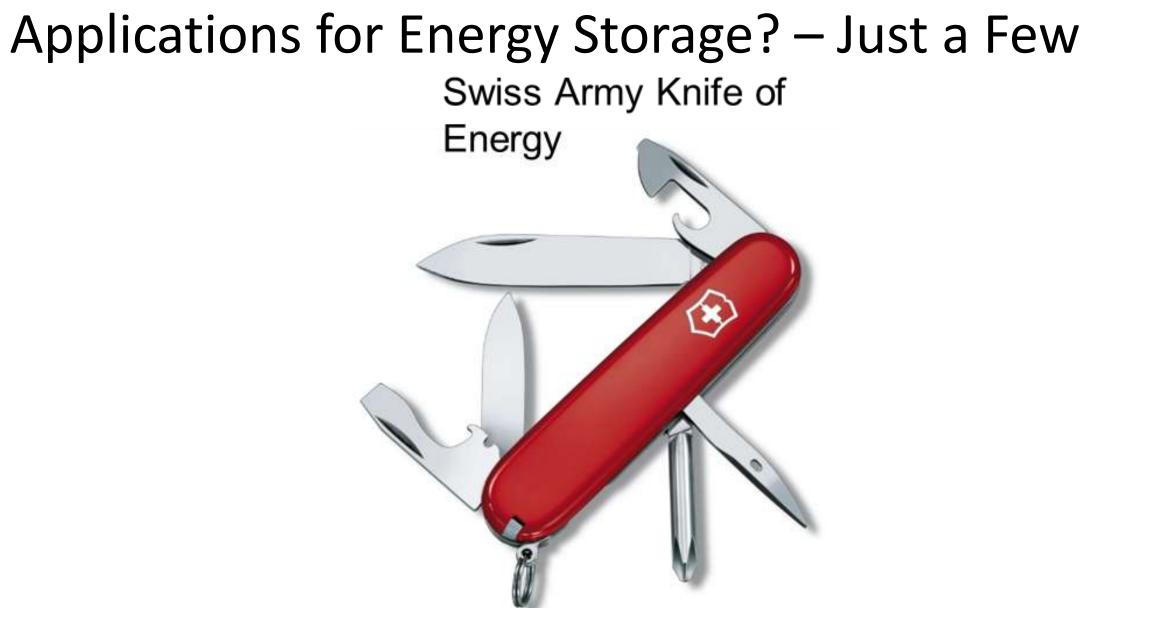
# Solar ® Energy Storage Providing balance and harmony for our customers energy needs

#### Solar Turbines

A Caterpillar Company

Caterpillar: Non-Confidential

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# 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

Solar Turbines

# 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

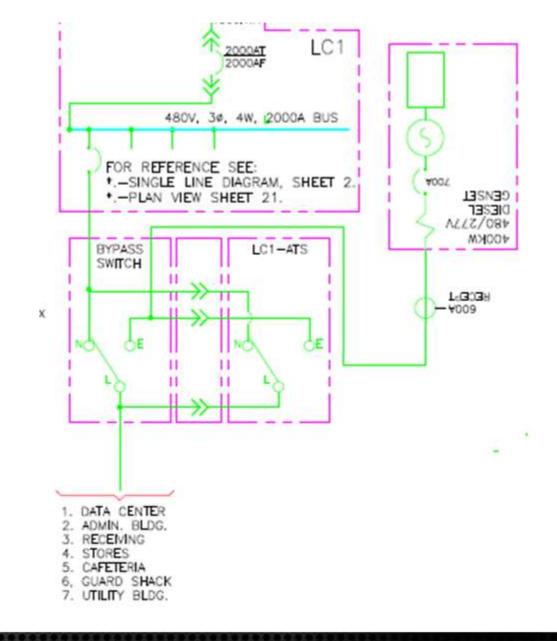
• ATS & UPS

- Supplies Critical Loads
  - Data Centre

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- Admin Buildings



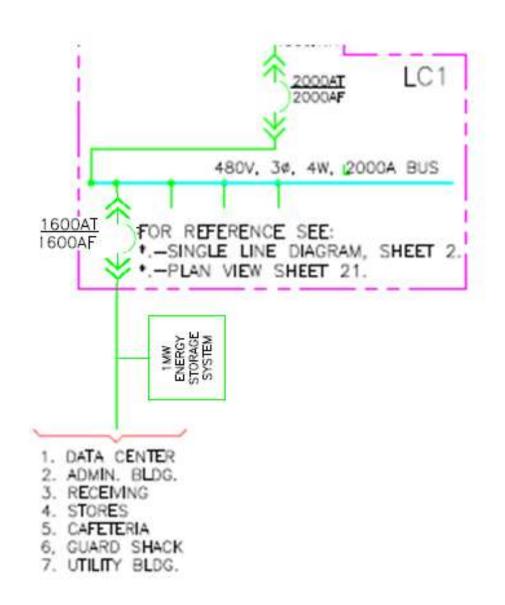
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### **UPS** Application

- Remove Back-up Diesel
  - No Permitting

- Remove ATS/UPS
  - Reduce maintenance

• Savings



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