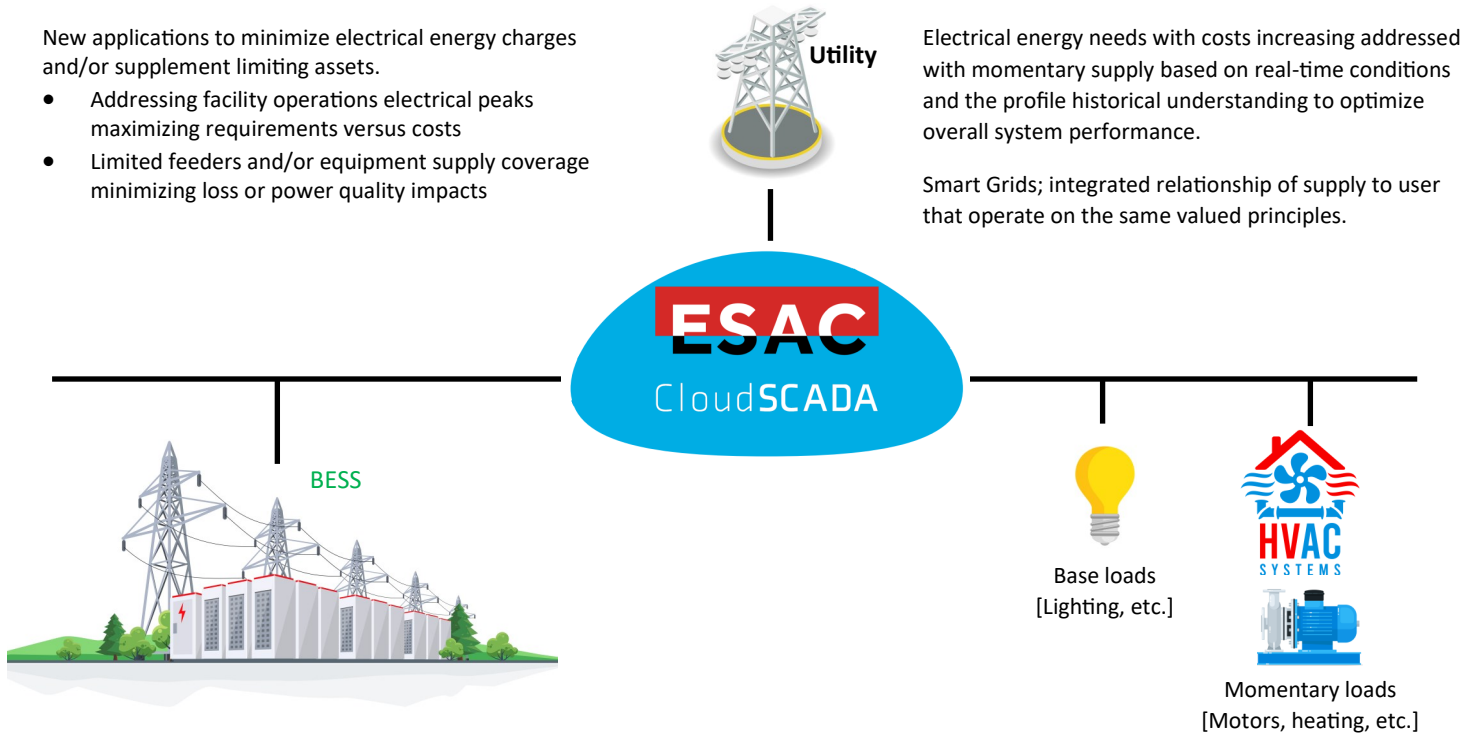


Battery Energy Storage Systems [BESS]



Maximize operations whilst minimizing energy costs by developing demand profile with advanced integrated reporting to control supply peaks with stored energy improving asset utilization.

I. Addition to existing stations based on calculated needs for return on investment.

- Develop energy operating profiles to determine size and functional requirements
- Impacts review study of existing equipment from considered supplemental energy
- Utility and regulatory process to ensure grid compliance with internal objectives

II. Manage total energy and embedded storage with reporting for operations and assets.

- Ensuring facility requirements with or without stored energy (ie. Total = Incoming + Storage)
- Optimize purchased energy through facility electrical supply and charge/discharge operations
- Track storage cycle profile with manufacturer specifications verifying performance

III. Local and remote systems integration with supply regulatory and pricing interface.

- SCADA monitoring of equipment status, alarms and metering with historian reporting
- Define advanced control algorithm based on operating profiles statistical data
- Establish cost savings and support progressive social climate control

ESAC has 30+ years experience of power systems with generation and load management as overall project or strategic solutions supplier working with owners to ensure quality deliverables.

Electrical Power Systems – Project Feasibility and Detailed Design
Application Install and Operation Cost Effectiveness Supporting Learned Optimization
Maintenance and Support Programs to Ensure Installed System Performance

All with Versed Technical Staff and CloudSCADA Integrated Solutions

Addressing projects owners and clients electrical details with software/hardware integration working with your engineering to establish achievable criteria and implementation goals.