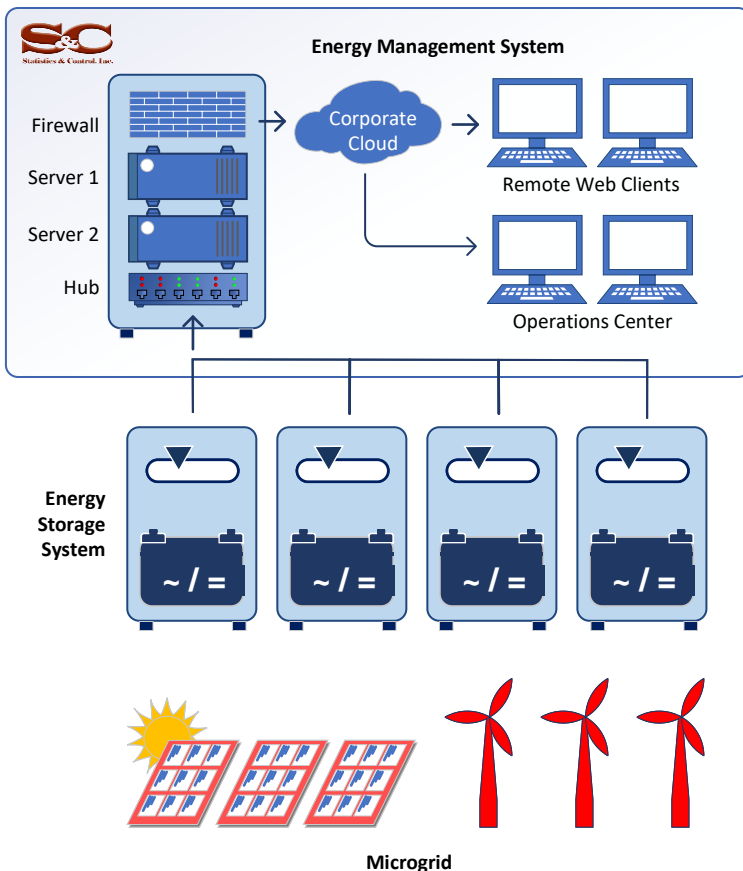


# ENERGY STORAGE AND ENERGY MANAGEMENT SOLUTIONS

Digital power solutions span the total value stream, from power generation to electricity distribution and transmission to the overall power grid, allowing to monitor and optimize entire power assets, and helping customers ensure their facilities are safe, energy efficient and sustainable.



## Control Functions:

**Dispatch Control.** Maximize the usage of in-house renewable generation and reduce the usage of diesel generators and external power sources.

**Peak Shaving.** Avoid a spike in consumption over a defined threshold.

**Frequency limiting.** Limit frequency variations in the output power delivered to the grid.

**Capacity Assurance.** Overcomes the shortage in the active power output from renewable sources and maintain the power at a committed level.

**Charge/ Discharge Control and Optimization.** Charge the excess power generated from renewables when grid / microgrid can't take all the power generated from renewables.

**Reactive power control.** Sharing reactive power across various resources.

**Market Participation.** Aggregate energy resources from multiple sites, repeating and flexible schedules; Control algorithms for ancillary services.