S&C Microgrid Solutions

By combining end-to-end microgrid capabilities, reliable products, and extensive experience, S&C leads the industry in integrating complex microgrids.

30+ microgrid projects
100+ total generation sources in all projects
174,000+ customers benefiting from S&C microgrid solutions

105+ MW generation supported in microgrids
75 Million customer minutes in online microgrids

S&C is the industry’s only true microgrid integrator.

The Integrated Microgrid

S&C uses the best equipment, controls, and services to deliver all 12 major microgrid components.

- **EQUIPMENT**
  - Renewables
    - 7 GW of installed equipment and engineering
  - Protection & Control
  - Gensets
  - Energy Storage
    - 189 MWh across 49 grid-scale projects using 12 different battery suppliers on 5 different continents
  - Engineering Design
    - 300+ engineering professionals
  - Islanding
    - 11 MW-scale islanding projects using 9 different switches
  - Switchgear
    - Manufacturing switching & protection equipment for 100+ years
  - Project Management & Construction
    - 65+ major projects in last 5 years
  - Maintenance
    - 5 regional service centers
  - Cybersecurity
    - 24/7 Monitoring
      - 100+ locations monitored worldwide

- **SERVICES**
  - All applicable utility, military, and cybersecurity standards met or exceeded.
  - 7 layers of cybersecurity defense to protect the core code and microgrid—most industry control systems only have a firewall.

- **CONTROLS**
  - The only integrator to receive an Authorization to Operate (ATO) from the US Department of Defense.
  - 2,000+ control points and values processed every 2 seconds across all existing microgrid projects.

The S&C IIPERC GridMaster® Microgrid Control System controls, monitors, and communicates with any piece of power generation, load, and distribution equipment in the industry. The controller is IEEE 2030.7 compliant.

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