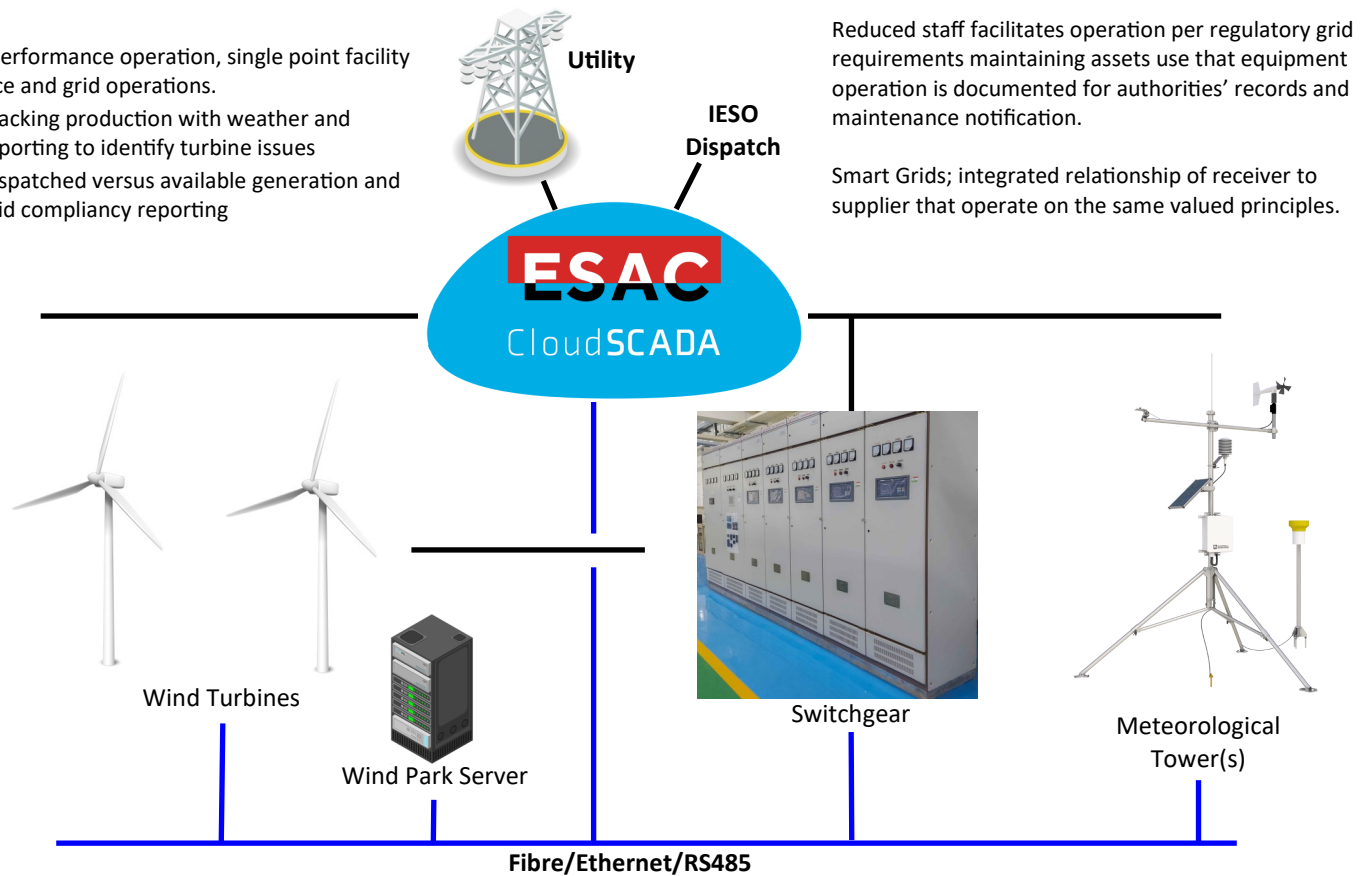


Wind

Asset performance operation, single point facility resource and grid operations.

- Tracking production with weather and reporting to identify turbine issues
- Dispatched versus available generation and grid compliancy reporting



Turbines production with supervised control supporting remote access utilizing automatic reconnect/restart process and notification of any underperformance for current conditions.

- I. Unit operations and production resulting of varying weather impacts.
 - Individual unit performance real-time tracking to power curve reporting and alarming
 - Dispatched 'foregone energy' based on weather metering cross reference reporting
 - Overall facility turbines summary permitting assessment in determining problem units
- II. Average, Maximum and Minimum equipment operation for alarming and reports.
 - Active power associated ambient and operating temperatures with blades hydraulic pressure
 - Hourly generated, unit rotor speed and blade pitches to access operation performance
 - Electrical parameters with total generated and weather conditions daily summary
- III. Local SCADA systems addressing regulatory authority integration and staffing mobile interface.
 - Protection and integrated control systems ensuring grid compliancy and equipment safety
 - Generation controls to comply with collection infrastructure connection requirements
 - Monitoring of equipment statuses, alarms and metering with historian reporting

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

Electrical Equipment and Integrated Control – Standardized Solutions and Custom Modules
Addressing of Regulatory Reporting and Facility Operations
Maintenance and Support Programs Ensuring Performance with Compliancy

All with Versed Technical Staff and CloudSCADA Integrated Solutions

Addressing projects owners and clients electrical design with equipment for software/hardware integration working with your team achieving successful projects and continued operations.