



ELECTRICAL & SYSTEMS
ADVANCED CONTROL INC.



Systems at Your Fingertips
Integrated Protection, Control and Metering since 1989

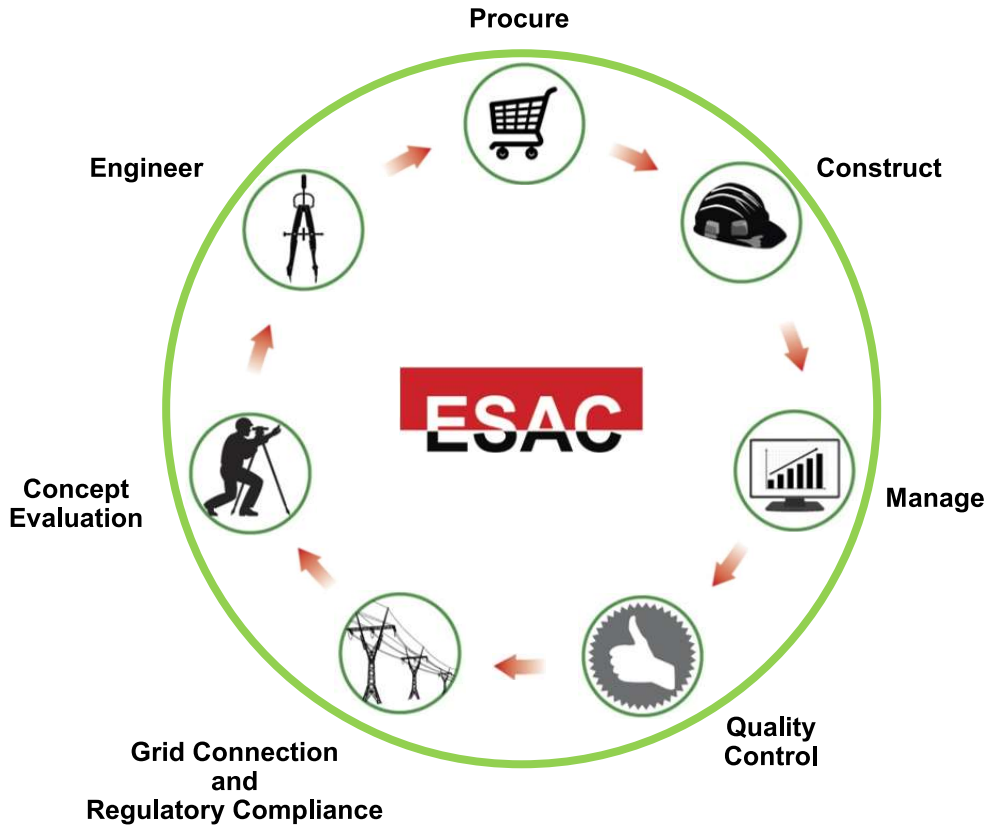


Microsoft Partner



ESAC EPC Business Model

ESAC is a vertically integrated design/build company providing Engineer, Procure & Construct (EPC) of electrical services. ESAC provides one-stop turn-key tailored solutions for clients in the electrical power sectors.



All functions are integrated to:

- Reduces owner risk
- Simplify sourcing
- Shorter project schedule
- Greater cost control (reduced margin stacking)
- Reduced communication errors
- Increased coordination
- Single point of contact
- Reduced client staffing for project management resources

Services

Providing turn-key tailored integrated solutions using the latest technology in standard products to specifically suit your needs. Our friendly staff work with you from functional specification and establishing budgets to technical design, system development, site implementation and staff training; striving to ensure the performance you need.

After project support includes:

- Remote and/or local assistance
- Application updates

Our technical divisions ensures a seamless process from concept to connection and compliance.

ESAC's Organizational Structure

ESAC's organizational structure allows us to integrate technologies, capabilities and expertise across multiple disciplines for designing and constructing all aspects of electrical facilities, automation infrastructure and supporting communications to deliver reliable power.

ESAC is organized into the following groups which each has their own quality assurance responsibility.



Electrical & Integration Systems

- Integrated Protections & Controls
- PLC, RTU & SCADA Panels
- System Configurations & Database
- Devices & Bill of Materials



Power Systems

- Electrical System Studies
- Protection Applications
- IED Panels & Bill of Materials
- Primary Equipment & Battery Banks



Software & Communications

- SCADA & Reporting Systems
- Studies & Configurations
- Hardware/Software & Bill of Materials
- NERC Compliant Cloud & Cyber Security



Modular Controls

- Material & Inventory Handling
- Panels Design, Fabrication & Shipping
- Regulatory Testing & Reporting
- Retrofits & Upgrades



Project Management

- Contracts, project life-cycle & scheduling
- Quality management
- Site specific environmental, health & safety programs
- Materials processing
- Assessments, operations & reporting

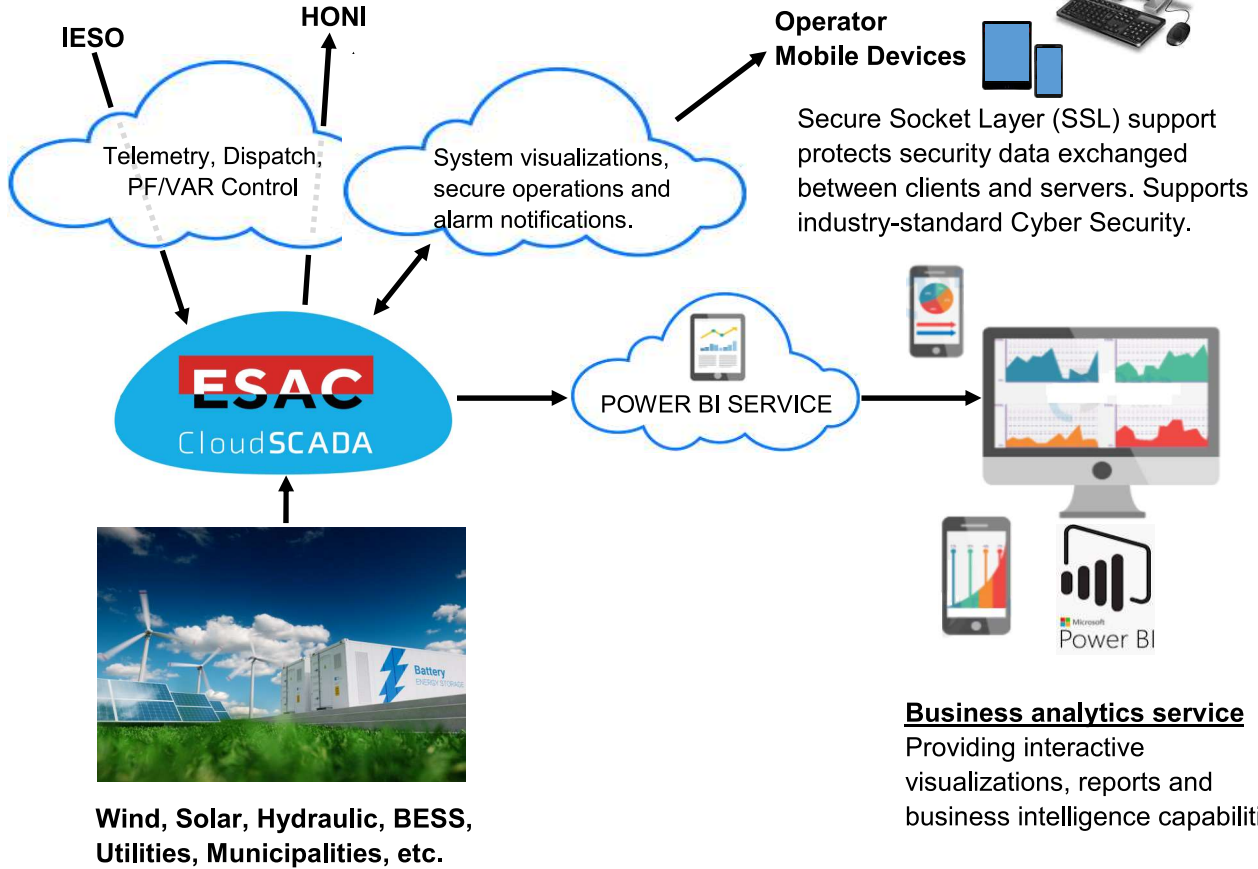


Technical Services Shared Responsibilities

- Project Design & Drawings
- Estimating, Proposals & Standards
- Site Investigations, Supervision, Installation & Commissioning
- Operator & System Manuals
- Testing & Training Programs
- Service & Support
- Quality Control & Documentation
- Shop Maintenance, Health & Safety



Virtual Control



Why ESAC VCR (Virtual Control Room)?

- **VCR** uncovers useful data about your system's vitals and integrates the operations into convenient and usable information for overall performance
- **VCR** simplifies managing your facility onsite or remotely by monitoring to reduce downtime
- **VCR** incorporates over 30 years of expertise within its operating algorithms to maximize performance

Other features include:

- Optimizing operations and preventative maintenance efforts
- Addressing regulatory operational and reporting requirements
- Meets or exceeds mandated security and software requirements
- 3rd party monitoring of site operations and backup resources
- Alerts when equipment is offline or not performing within normal operating conditions
- Extensive reporting capabilities on vital operations

With all this expertise under one roof, your system is covered. Call ESAC today to discuss an application, tailored to your budget and needs. Have an on-call expert to quickly and efficiently handle all your system issues.

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