

ESAC Services

Providing turnkey integrated solutions for utilities specializing in SCADA; integrated protection, control and instrumentation. Our friendly staff works with you from functional specification and establishing budgets, to technical design, system development, site implementation and staff training.

Offering services that will broaden your system's capabilities and increase the operations effectiveness with potential for growth in your organization, including SCADA HMI system, communication, protection relay, engineering development, fabrication and site implementation of panels and E-Houses, and legacy retrofits. With an expanding client base, ESAC is equipped to fulfill your needs.

SCADA System Services

At ESAC, we design and develop integrated solutions based on real-world applications; with the specific needs and actual uses in mind. With 'off-the-shelf' software packages rich in features and functions tailored for your requirements.

With Web interfaces, Historians, Alarm Paging, Alarm Emails and production remote notification, your system is at your fingertips. In addition to our technical expertise, we can also offer packages that let you purchase only what you really need now and add in more features and uses later as required.

SCADA System provides a complete packaged solution:

- HMI screens, databases and system manuals
- Communications with studies, Historian and Web Interfaces
- Custom software for user interfaces
- Database and graphic models
- Testing and training programs
- Detailed conceptual design and budget reports



Software Systems Services

As a certified member of the Microsoft Software Partner Network, ESAC Microsoft Certified Software Professionals offer software setup, configuration, integration and support for software platforms including:

- Microsoft Windows and Database Server technologies - Windows Server 2000/2003/2008/2008 R2, SQL Server and Industrial SQL Server
- Microsoft Productivity Software - Office 2007, 2010, SCADA Reports



➤ Virtualization:

ESAC implements and supports SCADA virtualization for servers and workstations. The ability to recover, roll back and test are the key benefits for virtualization in integrated solutions. Virtualization allows the end user, a vendor, or asset owner, to quickly recreate the environment for support or testing. ESAC supports virtualization in applications where Servers, Workstations, OPC servers, historians and third party HMI systems are being deployed on virtual machines by customers and integrators.



Systems at Your Fingertips Integrated Protection, Control and Metering





➤ **Retrofit:**

As your business evolves, there's always room for improvement. ESAC addresses those improvements with experts in software systems modification and replacement who approach all assignments with two objectives: to get your software into an ideal state, and to keep your process and people working efficiently.


Electrical Systems and Technical Services

ESAC provides experienced personnel to fabricate and implement electrical protection, control and metering solutions including E-Houses and switchgear upgrades for utility/generation applications. ESAC performs system field research, analysis with studies, review of supplier specifications, detailed technical design, development, testing and reports.

- Load flow, short circuit and protection coordination
- SLD, AC/DC, CWD and IED drawings
- IED and RTU programming
- Protection and automation models
- Testing and training programs
- Detailed conceptual design and budget reports
- CSA Panel Shop
- Site investigations, maintenance and testing
- System retrofits and upgrades
- Training and support programs
- Strategic alliance partnering
- Project technical management

Projects Administration

Project management is one of the many core services offered to our clients at ESAC. ESAC has developed and defined state-of-the-art systems, procedures and specifications for the management and control of engineering, procurement, construction and commissioning of utilities. We have a common approach to make sure the project is done on time and on budget, assuring that system components are configured correctly and functioning properly.

- Commercial contracts
- Project life cycle and scheduling
- Materials processing
- Assessments, operations and reporting
- Customer Relation Management System
- Financing with CitiCapital 

Systems Maintenance and Support Agreements

Affordable, sensible system and maintenance agreements from ESAC ensure proper operation, logistics and function of all solutions. Why maintain and support the finished systems alone, when you can have an on-call expert to quickly and efficiently handle all your software and hardware issues?

With all this expertise under one roof, we've got you covered. Call ESAC today to discuss your custom support plan, tailored to your budget and needs.

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