

Technical Services

From Concept
to Completion



Ahead of the Current

AKA
Energy Systems

Technical Services

With over 20 years of expertise in power and control systems from major vendors, AKA Energy Systems' servicing team provides comprehensive support, encompassing engineering design, consulting, commissioning, and field service. All service activities are carefully documented in a written report, covering your assigned tasks, resulting actions, and recommendations for your continued success.



Project Engineering and Management

AKA offers qualified project engineers for comprehensive support throughout your project, including design, installation supervision, integration, and management. With experience in all phases of the design process for electrical equipment, AKA emphasizes upstream innovation to mitigate risk and reduce costs, ensuring timely and cost-efficient project delivery.

System Integration

AKA is a systems integrator that delivers innovative products, technically advanced services, quality documentation and world-class training. AKA has the skill to incorporate systems into your installation and educate personnel for a seamless transition and knowledgeable life cycle support.

Measurement and Instrumentation

AKA offers qualified instrumentation technicians for your process and measurement needs. Services are available for system design or upgrade, installation and commissioning, or maintenance.

Regulatory Agency Consulting

Navigating and interpreting the world of Marine Classification Society regulations can be complex, costly, and adds significant risk to your project. AKA has extensive experience achieving approvals from all major marine classification societies. Whether it be design review and recommendations or full-service class management, AKA is your partner in achieving marine and other regulatory approvals.

Electrical Systems Upgrade

AKA's expertise with the integration of power and control systems from every major vendor allows our team to knowledgeably upgrade your electrical systems, eliminating potentially costly interaction across multiple vendors.

Electrical System Troubleshooting

From complex to basic, unique or obsolete, your electrical system issues can be solved by an experienced AKA service team member. With experience in troubleshooting all types of power and control systems, AKA can analyze and solve issues on a system level.

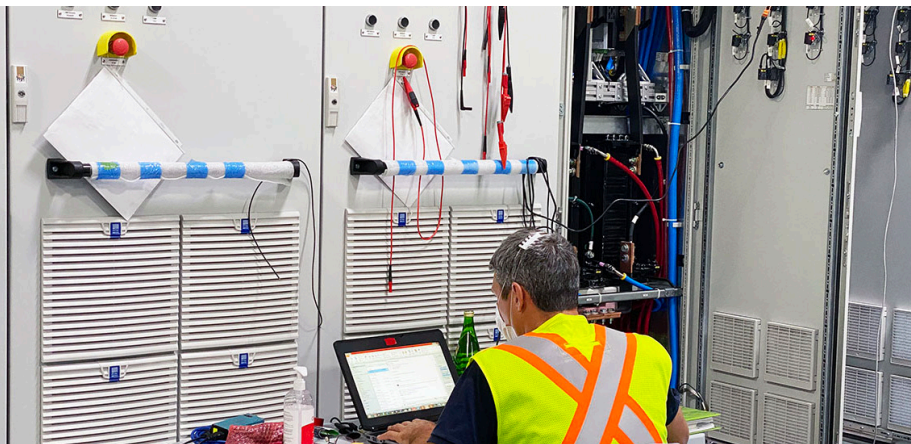
Testing, Auditing and Witnessing

AKA offers multi-discipline expertise for customer acceptance test inspections and witnessing. We can provide licensed electricians and technicians, or electrical/mechanical engineers, depending on equipment complexity and customer needs.

AKA's product knowledge includes:

- Switchboards
- Transformers
- Drives
- Motors
- Generators
- Engines
- Control Systems

AKA will also attend the vendor's customer acceptance tests on your behalf and provide a high level of reporting, communication, and confidence.



Secondary Injection Testing

Testing trip units on protection devices build confidence and predictability during electrical system disturbances. With reliable protection, the risk is significantly reduced. Secondary injection testing validates protection devices by injecting simulated waveforms and analyzing responses, aligning them with expected outcomes. AKA assists with regular testing, following manufacturer's guidelines and regulations, or after circuit breaker service, which is essential for ensuring effective protection.

Protection and Coordination Studies

Contact AKA before you implement a new electrical distribution system design to ensure safe, efficient and economical operation. AKA has an extensive engineering toolset to carry out system analysis such as short circuit and coordination studies.

Programmable Device Management

DeviceTrak is a unique configuration management regimen that captures, controls and protects system specific configuration settings and supports software for programmable devices. AKA provides the DeviceTrak software ready for database population and the professional installers for initial software installation and database population. This ensures that all information is current and accurate.

Hazardous Area Inspection

AKA is an industry leader in rig-specific hazardous area electrical installation and protection practices. AKA has qualified personnel to perform the inspection and the software developed to provide a more efficient way to track and maintain your hazardous area equipment.

Automation

AKA has provided control and automation solutions for the offshore oil and gas industry, marine, coast guard, industrial processes and municipal water companies. Our efforts ranged from assessment, maintenance and service for existing systems to the engineering and installation of new control and automation systems. AKA's control and automation systems include:

- Supervisory Control and Data Acquisition (SCADA)
- PLC Systems
- Human Machine Interface SIMATIC WinCC
- Large Drives
- Process Control Systems
- Electrical Control Systems
- Industrial PC Control Systems
- Condition Monitoring Technology
- Add-on components for enhancement of Pre-delivered Systems.

From engineering design and consulting to commissioning and field service, AKA Energy Systems stands with you.

AKA Energy Systems

AKA Energy Systems (Aspin Kemp & Associates Inc.) is an energy systems provider delivering innovative solutions to island and microgrid power systems. AKA designs, manufactures, and supports power and propulsion assets for marine, Offshore O&G, and land-based industries.

AKA has shifted the paradigm for fuel efficiency and reliability in offshore drilling with proven fuel savings of over 50% and similar results in marine and land-based microgrids.

AKA offers a full spectrum of integrated products and services including systems integration, new product development, engineering, manufacturing, testing, installation, commissioning, life cycle support, field services, integrated documentation, and training. AKA's manufacturing facility in Prince Edward Island, Canada includes a state-of-the-art mechanical fabrication shop, an electrical assembly area, and a medium voltage test bay. AKA's global clients and partners also include MAN Energy Solutions, Transocean, Shell, GE Energy, Siemens, Eaton, Schneider Electric, and many more.



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