



ASPIN KEMP & ASSOCIATES





A portfolio of innovation and partnership.

AKA, pioneered and first to deliver DP3 vessels with fully tested, DNV approved, closed bus technology.

AKA, pioneered and first to deliver full AGP Power Plant protection, with the functions that are now a class requirement for DP3 closed bus vessels.

AKA, pioneered and first to deliver drilling vessels with the Hybrid Drill Floor, a breakthrough in safety, emissions control and performance.

AKA delivers reliable, efficient, fault tolerant and obsolescence-proof designs, with proven innovation, reduced CapEx and reduced predictable OpEx.

AKA has detailed process understanding, mathematical models proven with real testing, the foundation of predictability.

AKA marine systems have built in predictability through simplicity and autonomy providing certainty in testing, installation, commissioning and maintenance. Predictability is the basis of confidence.

Systems Integration
Power Systems
Automation & Controls
Manufacturing
Hybrid Systems

Products

Micro Grid Generation

AKA Power Generation plants provide marine vessels, communities and industries with efficient off-grid power. AKA will determine the best micro grid solution based on load profile, renewable energy availability, and fuel costs. AKA will retrofit existing generator plants.



Hybrid Propulsion

The patented XeroPoint™ Hybrid Propulsion system reduces fuel and emissions in workboats and other vessels with variable duty cycles. In a case study, third party testing verified:

- 73% reduced particulate matter
- 51% reduced nitrogen oxides
- 27% reduced carbon dioxides
- 27% reduced fuel consumption



Hybrid Electric - Active Heave Control

AKA has supplied 6th generation drill ships with the world's first Hybrid Drill Floor. The system uses energy storage (ultra-capacitors) to level the load demands on the power plant. This improves the overall reliability and energy efficiency of the operation.



Critical Process Power & UPS

Achieve system availability expectations by sustaining your operation through a loss of grid or micro-grid power. Maintain power to critical systems to avoid production losses through the transition to backup power.



Capabilities

Manufacturing

AKA has a high capacity to manufacture and factory test mechanical and electrical equipment.

We manufacture:

- Medium Voltage Switchgear
- Energy Storage Systems
- E-Houses
- Cooling systems
- Structures & enclosures
- Generator plants



Asset Management

The AKA service team offers best practices in asset management. This includes inspection and audit of electrical and mechanical industrial systems. AKA engineers will determine an asset management plan that suits the client's operations & maintenance excellence objectives



Training

Training is offered at client sites or our global facilities. Our training facility in Prince Edward Island AKA is equipped to train:

- Electrical best practices
- Reliability & Asset Management
- Risk avoidance
- Operations (offshore drilling)



Documentation

Documentation is an integral part of Aspin Kemp & Associates' products and processes. AKA's document development process ensures our clients receive the highest quality documentation products. Our practices provide relevant and up to date documentation while minimizing the impact to our client's process efficiency or product quality.



Aspin Kemp & Associates is a leader in power and propulsion technology.

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.

Our solutions incorporate several patented and innovative technologies including Advanced Generator Protection (AGP), the XeroPoint Hybrid Power and Propulsion System and Hybrid Drill Floor for ultra-deepwater drillships.

AKA systems are developed with the backbone of our Integrated Documentation System (IDS™). This methodology is a foundation for information transfer to our clients. Once a project is complete, our clients receive best in class documentation and asset management records.

Our manufacturing facility in Prince Edward Island 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 include Transocean, GE Energy, Siemens Oil & Gas, Foss Maritime, Kotug International, Bhagwan Marine and more.



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