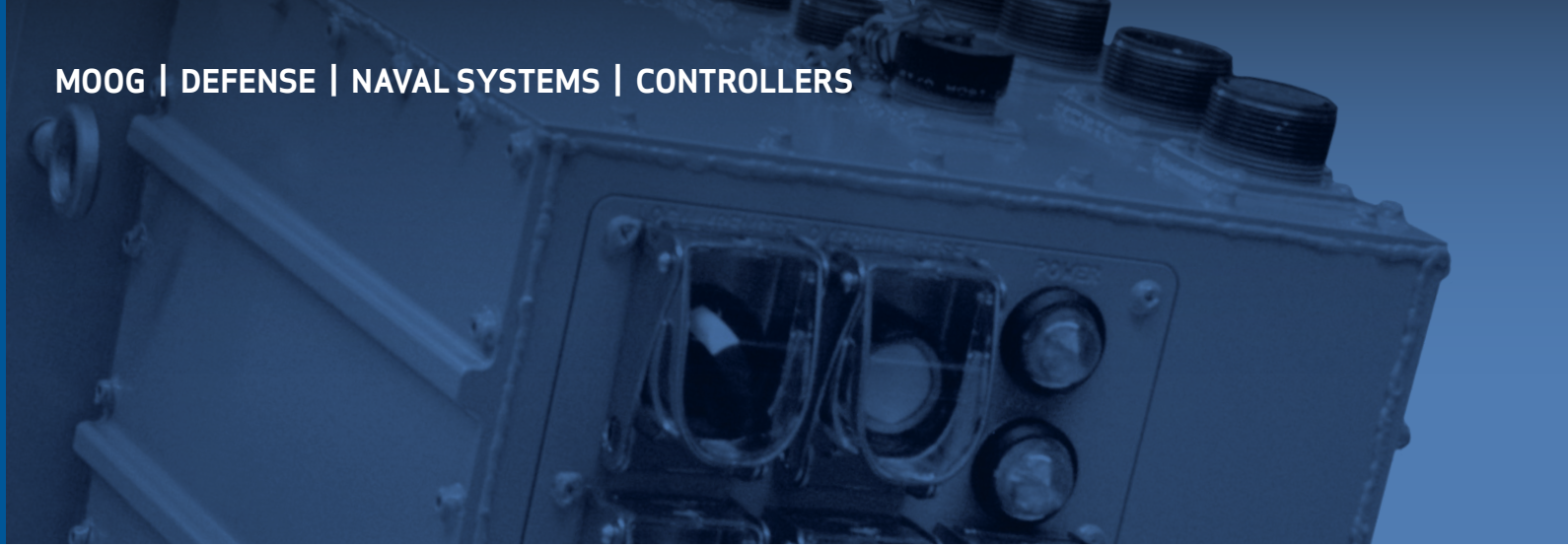
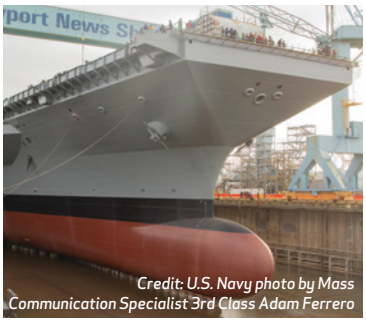


HIGH PERFORMANCE DIGITAL SERVO MOTOR CONTROLLER

Moog's high-performance digital servo motor controller is designed specifically for naval applications. The controller is designed for shipboard environments and to comply with electrical requirements. The circuitry and control algorithms have been designed to ensure smooth operation and minimal system noise. The navy's affordability needs were also included in the design. Custom tuning of the control parameters to meet customers applications can be completed if required. Custom Controller Housing design as desired, including packaging within pressure tolerant vessel for subsea use. Custom input and output filtering options available as required.



Credit: U.S. Navy photo by Mass Communication Specialist 3rd Class Adam Ferrero

Credit: U.S. Navy

KEY FEATURES

- Power range 0.6kW to 10kW per axis
- Designed to be scalable
- Can be provided in 50+kW range
- Easily tuned to match system performance needs

MOOG

HIGH PERFORMANCE DIGITAL SERVO MOTOR CONTROLLER

PERFORMANCE

Features	Specifications
Ambient temperature	0°C to +50°C (Operating) / -40°C to +70°C (Storage)
Power conditioning	MIL-STD-1399 Section 300B, Type I, 440V
EMI/EMC	MIL-STD-461 (Naval typical)
Shock	MIL-STD-901D Grade A
Motor control type	3-phase brushless motor control
Input command	RS 485
Processing element	FPGA with onboard memory for reliable high speed loop closure
Output sensors	PWB brake drive, resolver, encoder, 4 analog outputs, 4-differential analog inputs-motor temperature

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