

US Navy Diver Davit Hoist Controller

FOR IMMEDIATE RELEASE

Jo-Kell
Engineered Solutions Group
1716 Lambert Ct.
Chesapeake, Virginia 23320
Phone (757) 523-2900
Toll Free (800) 365-5214
Fax (757) 523-8773
ESG@jokell.com

Systems Capabilities

Include:

- AC & DC Adjustable Speed Drive Systems
- Navy & Marine Control Systems
- Crane Drive Systems
- Motion Control Systems
- PLC and PC-based Control, Operator Interface & HMI / SCADA Packages
- Power Distribution Panels and Portable Carts
- Instrumentation Panels

Service Capabilities

Include:

- Certified AC & DC Drive Start-Ups
- Drive Preventative Maintenance Programs
- Control System Troubleshooting and Repair
- PLC, HMI, and VFD Programming Services
- Training Seminars
- 24-Hour Service & Repair



Background:

The ARS-50 Class of Salvage Vessels is utilized by the US Navy Divers for rescue and recovery operations. A davit is used to raise and lower a "basket" in which the divers ride. The 1980's era controls were unreliable and required the use of the emergency mode more than that of the smoother, variable speed solid state drive.

Project Scope:

Jo-Kell Inc. designed a complete new replacement solid state control system using state-of-the-art ac line regenerative drives. The existing field devices and operator stations were re-used and the new controller was required to interface with these devices. On-site commissioning was provided for each of the projects, which occurred in Sasebo, Japan, in Pearl Harbor, HI, and in Norfolk, VA.

Comments:

The use of ac line regenerative drives has eliminated the need for dynamic braking transistors and resistors, and greatly minimizes any harmonics imparted back to the ac power source. A total of 8 systems have been provided to the Navy since the mid 1990's.

Jo-Kell Engineered Solutions Group

Jo-Kell has over 10 years experience in Systems and Services. We take pride in supplying reliable, high quality products, systems and services to all of our customers.

Credentials and Approvals

UL508 A Listed Facility - Industrial, Crane, Marine
Certified Crane Integrator for ABB & Cutler-Hammer Drives
Panels built to NEC Requirements, NFPA-79, IEEE, USCG and ABS Standards