

BOLLARD Switchgear

Controls + Power Generation - Front To Back

MER's BOLLARD brand power generation has continued to expand into control systems, switchgear and power distribution. Our customers have realized major advantages from choosing one source for a complete, integrated system for their vessels. They found they no longer needed to make a substantial investment in design and coordination between suppliers. BOLLARD provides the design and construction of the generator sets, control systems, and the main switchboard is provided in one package.

Demand has increased for systems which have the advantages of operation in parallel with load sharing. System flexibility allows for optimal matching generator sets to power demand and with redundancy, and ease of transferring load between machines. Synchronizing and circuit breaker control can be automatic and reliable. Gone are the days of manual synchronization and throwing the breaker with a prayer. Operation including transferring load from one genset to another can be reduced to rotating a switch from one to the other. That includes synchronizing and breaker control, all taken care of by the control system. All of that without sacrificing the option to operate the system manually. Overall operating cost can be much lower from fuel savings and longer service life.

BOLLARD generator sets have the reputation for being heavy duty, reliable, and of top-level design. We have developed the integrated packages including controls and switchgear, with the same level of quality

The main switchboards (MSB) are fully gasketed to seal out contamination from oil, exhaust, and dust. The main bus is fully ducted and circuit breakers are finger safe with arc flash protection for unmatched safety. The control systems include tried and true, reliable controller modules. Systems are designed with the option to obtain approval by classification societies such as ABS.

Production of the system is done entirely under the BOLLARD design umbrella. During system tests, the advantages for the back end of the project come into focus. We bring together in the test cell the gensets with our programmed control system and the main switchboard (MSB). System testing which is traditionally performed on the vessel by a team of different vendors is done by BOLLARD in a fraction of the time compared to the old way.

The BOLLARD system is supplied with plug in harnesses which connect the generator sets and the controls to the MSB. When the package is installed on board, the system has already been tested with harnesses connected. So, the installer runs the harnesses, plugs in and the lights come on for final set up and onboard testing.



The complete BOLLARD system reduces the time required at the front end of the project in planning and design which translates into big cost savings, making the project manager's job much easier. Traditional project methods have included vendors for the gensets, another for the controls, another for the MSB and all teamed with the installers and their design team. At the back end of the project, all could be competing for space in the engine room with welders, painters, electricians, etc. The modern BOLLARD method changes all of that.

Please contact us for more information on the advantages of BOLLARD integrated systems.



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