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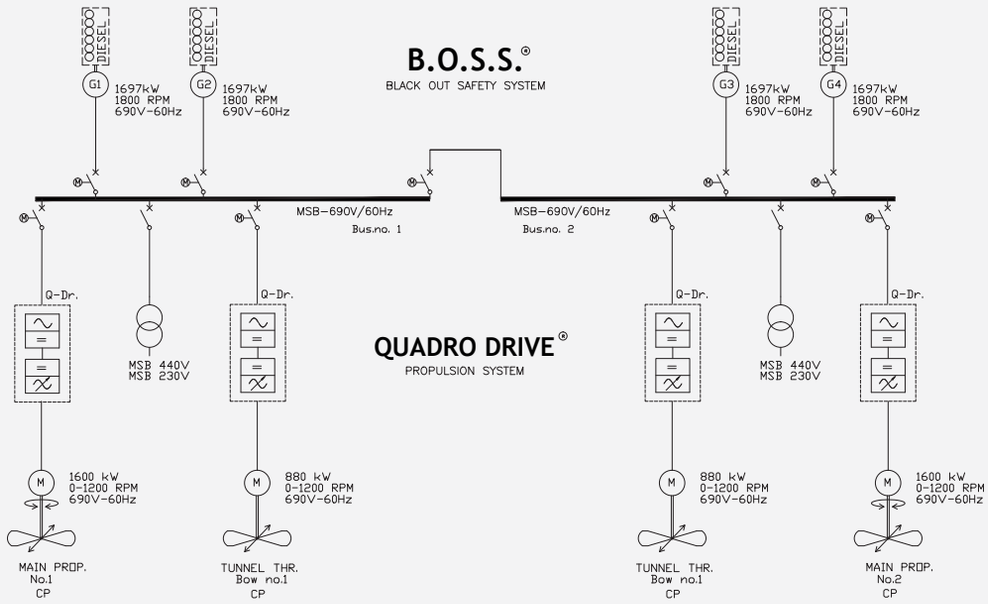

A single line diagram of an electrical system where B.O.S.S.® is implemented.

EXCELLENCE IN ELECTRIC

B.O.S.S®

BLACK OUT SAFETY SYSTEM

ENSURES SAFE VESSEL OPERATION UNDER DEMANDING CONDITIONS

B.O.S.S.®

The main philosophy of DP2 and DP3-class requirements is that the system shall handle one fault, whatever this fault may be, and still be able to maintain the position of the vessel. B.O.S.S.® supervises the complete electrical propulsion system, to ensure that the main philosophy of the DP-class is applied throughout the complete electrical system.

B.O.S.S. is the front line of defence against unexpected situations and abnormal behaviour of the main electrical components within the vessel's power plant. The functions of the B.O.S.S.® system are integrated in the MSB and propulsion drives, for collecting necessary information and performing the correct actions.

From an electrical point of view critical faults can be:

- Faulty Voltage Regulator
- Broken Voltage Regulator
- Faulty Speed Regulator of the Diesel engine
- Clogged diesel filter
- Diesel generator set overload

FEATURES:

- Full control of available power
- Supervision of Frequency and Voltage
- System implemented throughout generators and Quadro drive.
- Rapid torque reduction to reduce output power in situations where a total black out might occur.
- Integrated in Main Switch Board
- Two independent systems if bus-tie breaker is open

READ ONLINE

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