

Woodward EM 80 / EM300 Actuator to Heinzmann StG90 Actuator Retrofit Solution

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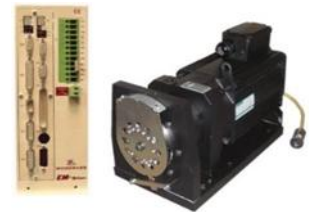
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Problem

- Vessel has 2 obsolete EM80 Woodward actuators (discontinued production)
- No technical support from Woodward
- No readily available unit in the market
- No genuine spares available in the market
- Control card is outdated with worn out PCB
- More economical in long term maintenance cost to upgrade to prevent event of failure
- Ship schedule affected with support and constant easy breakdown



Obsolete EM80 Actuator

Solution

- Upgrade of control system by replacing with new hardware
- Modification to suit engine and operative needs
- Heinzmann StG90 actuator with ample torque for operations, direct replacement for Woodward EM 80 Actuator
- Upgraded modern Xios controller with alarm monitoring, customised mounting bracket and linkages
- Customised control panel (Xios and control card) with function switch and tags wired accordingly



Customised Control Panel

Heinzmann System

- 1 x Xios Controller
- 1 x Heinzmann Control Card
- 1 x Heinzmann StG 90 Actuator

Engineering Works

- Site survey and measurements taken
- Manufacturing of brackets, mounting plates and linkages in service centre
- Inspection checks on hardware and software
- Pre-commissioning tests on controller and actuator, pairing, parameterising and calibration
- Laying of cables
- Delivery and installation of system
- Adjustment of actuator to connecting rod
- Commissioning on site



Heinzmann StG90 Actuator

Results

- Better performance with same operating methods
- Quicker response, low retaining current and consumption
- Long lasting system
- Eliminated risk of unforeseen breakdowns
- Technical support and genuine spares available
- Maintenance cost reduced



Customised Brackets and Plates with Actuators Ready for Delivery

Price of Product and Service – Upon Request