

Session – DP Design and Control Systems 2

Specifying DP Control Systems and Appraising Suppliers' Bids

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Abstract

The presentation provides the audience with guidance on producing a detailed specification for a DP control system and how to compare bids from different suppliers in a fair manner. It is of benefit to both the purchaser and DP control suppliers. The presentation cover the following topics:

DP Specification

- Vessel information;- vessel, thruster, power plant, class, application, etc.
- DP modes to be included – basic, track follow, riser follow, ROV follow etc etc
- Optional DP modes – fire monitor comp, position control by maneuvering, etc.
- DP features to be included – voting, gain, noise rejection, wind comp, etc etc.
- Optional DP features – touch screen, trainer simulator, remote diagnostics etc.
- Position References - type, features etc.
- Sensors – nos, type, features etc.
- Spare capacity and optional pos. refs. and sensors.
- Spare parts and service facilities.
- Interfaces – specification, thrusters, power system etc.
- Services included – project manager, installation, commissioning, DP FMEA, training, FAT, CFAT, documentation, drawings, etc, etc.
- Other options – vessel FMEA, day rate of service engineers, on board training etc.
- Supporting documentation required with proposal – experience list, testimonials.
- Terms and conditions – terms of payment, delivery, warranty, currency etc etc.

DP Bid appraisal

- DP suppliers – who?
- Price.
- Modes, features and options
- Options.
- Service, local and worldwide support.
- Term and conditions.
- Experience.

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