



DYNAMIC POSITIONING CONFERENCE
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TRAINING AND COMPETENCY ASSURANCE

What Is Our Position?

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What is our Position?



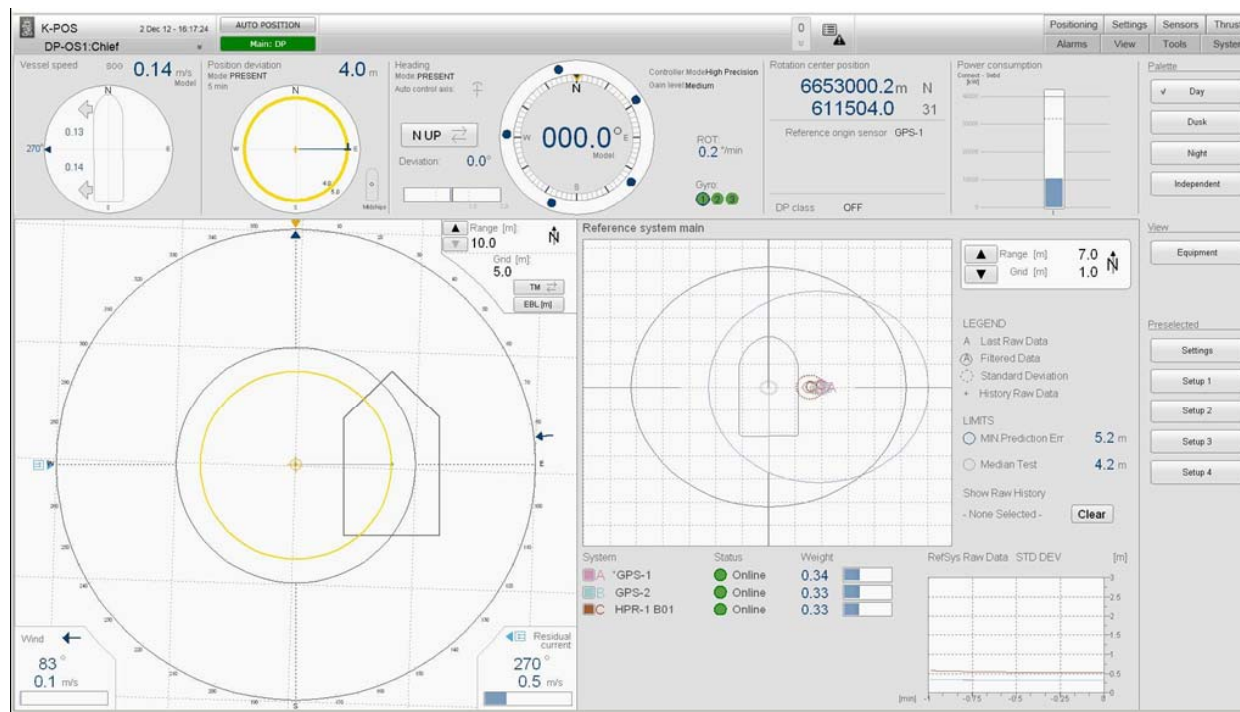
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We are concerned!

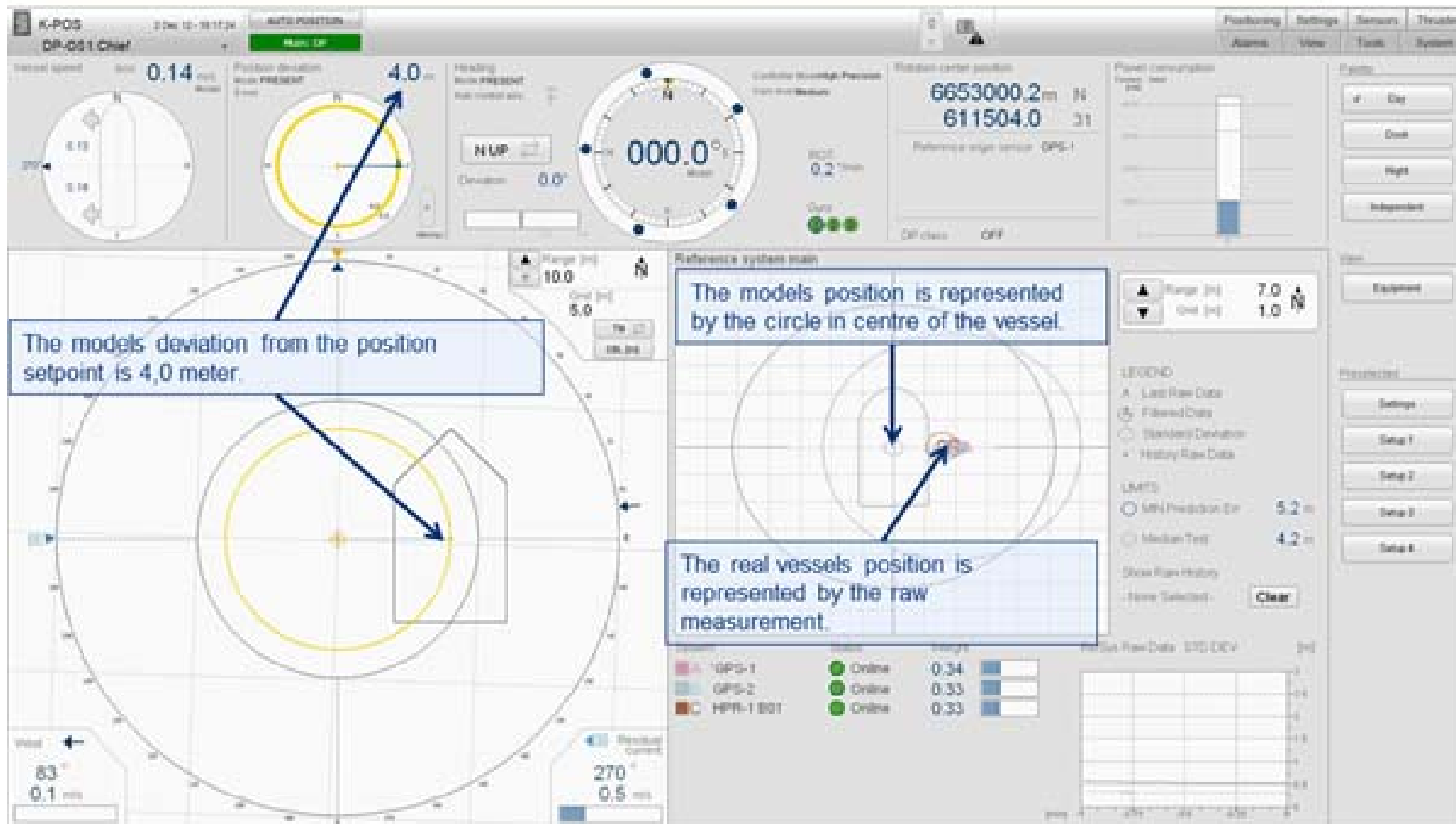
9 out of 10 DP operators do not know where they are.

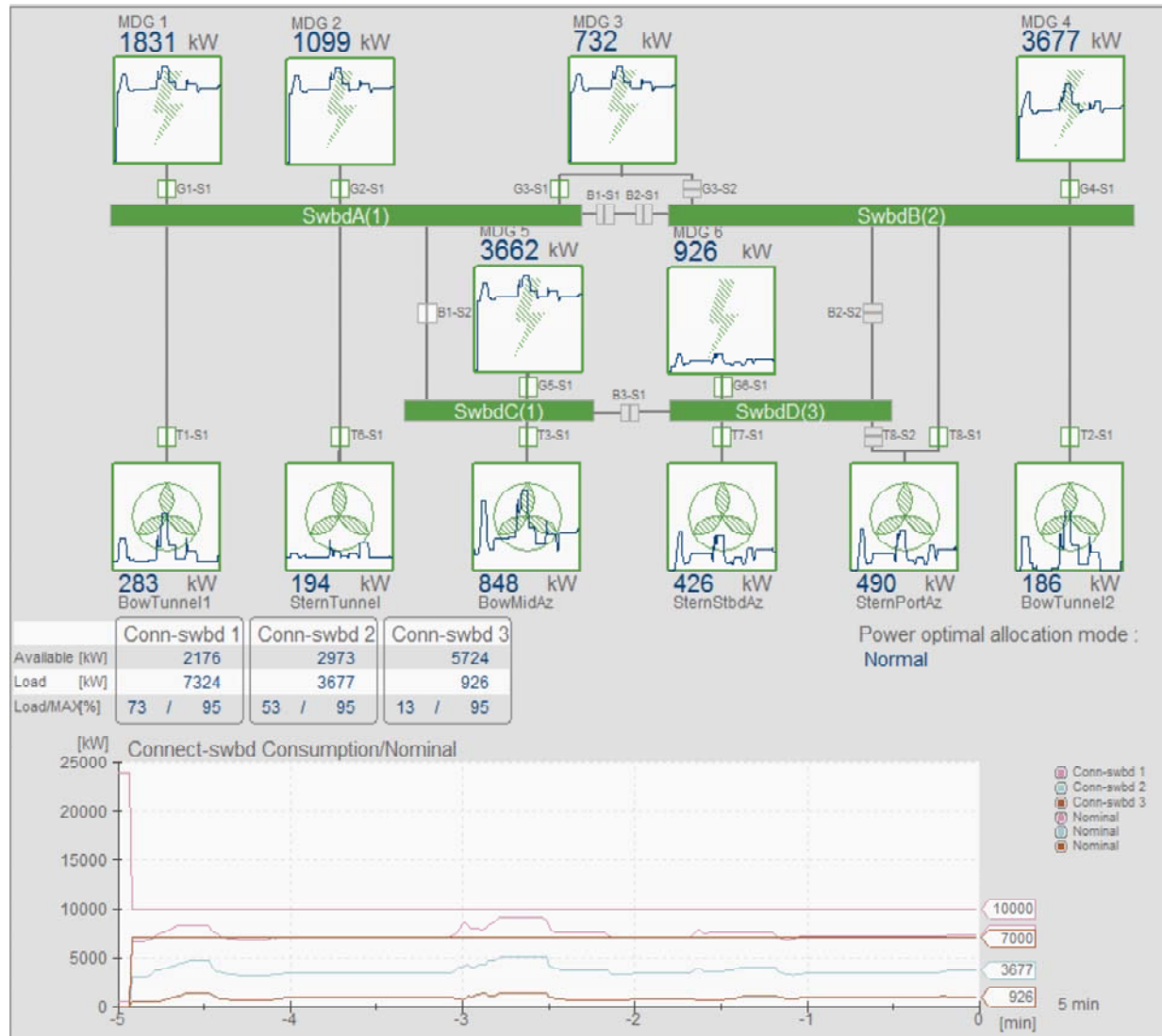
This statement is based on testing of certified DP operators at the start of delivery specific courses over the last 6 years.

- We show the DP operator this screen dump and ask **“What is the vessels deviation from the position setpoint?”**



The actual position is the model position corrected for measured position, so in this case the actual position is 6 meter away from the setpoint.





Fuel view



- Picture will be added

Independent Joystick



- Picture will be added

Is generic training good enough?

In many DP operations the operator need to react correctly within

20 seconds

- Recognise and understand the situation correctly
- Decide what to do
- Execute

Is this possible based on generic training only?

Wrong learning on board

Misunderstandings Myths Hearsay



Technical crew

One major vessel owner states that

16 out of 18 incidents
last year where due to
technical personnel

How to improve?

- Realize the limitation in generic training
- Make sure to have the correct competence onboard to train the new comers
- Focus on on-board training

- Train the technical personnel

- Re-train regularly.
- Perform drills on-board
- Keep the crew over time

Any newcomer on-board a vessel is a safety risk
until properly trained

All involved parties must contribute

System manufacturers

- Simplify decision making by giving correct information in a good way
- Make system documentation user friendly

Training institutions

- Make sure to have the correct competence and knowledge
- Relevant systems available

DP Operator

- Focus on learning the vessel and its equipment
- Practicing decision making simulators

Other key DP personnel

The vessel owner

- Making sure the vessel crew have the correct information, knowledge and skills to operate the vessel in all situations
- Stating competence requirements from any training
- Verify training outcome
- Make sure to allocate time to practice emergency procedures on-board

Clients

- Must allow the vessel time to practice emergency procedures
- Must verify the the required competence is on-board the vessel

Training recommendations

- Make a thorough on-board training scheme for new DP personnel
- Run on-board exercises regularly
 - Run desk-top exercises
 - Practice command transfer and manoeuvring between operations
- Send key DP personnel to manufacturers courses to update their competence on the vessel specific systems to secure correct learning and avoid spreading myths.
- Used advanced simulator training when necessary
- Assess the quality of both in-house and external training.
 - State the competence required after training and check that the goals are achieved.

Simulator training

- We believe that training, re-training and testing in advanced full bridge simulators can make a great difference.
- The new simulators available now gives the possibility to train teamwork among all involved parties in an environment utilizing real systems, close to what you find on-board the vessel.

We all need to make the DP personnel able to foresee what can go wrong and give them the ability to handle it.

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