Nautical safety of wind turbine farms offshore Netherlands

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by
The Dutch Leading Offshore Engineering Company
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Risk analyses wind turbine farm

Expert opinion as regards the probability of accidents in vicinity of Wind Turbine Parks

• MANOEUVRING DISTANCES BASED ON THE INTERNATIONAL STARTING POINT OF SHIP DESIGN
• PROBABILITY OF COLLISIONS
  - Shipping traffic intensity
  - Shipping safety and methodology
  - Relative increase of the probability of failure with respect to the present situation
  - Present situation estimation of the upper limit
  - Example of the present situation versus the new, planned situation
  - Upper limit of the probability of collision
  - Cumulative probability of the various formations
Risk analyses wind turbine farm

Expert opinion as regards the probability of accidents in vicinity of Wind Turbine Parks

• OTHER ASPECTS SHIPPING SAFETY AND WIND PARK
  - Proper seamanship
  - Probability of a black out
  - Drifting during a black out
  - Radar and visual observation
  - Probability of collision with Shipping Safety measure

• MITIGATING MEASURES
Risk analyses wind turbine farm
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Distance:

4.45 km

0.51 km

Q10

04b

70
Risk analyses wind turbine farm
MS Bestevaer Multi functional Offshore support vessel