Fuel savings and emission reductions in the Subsea Construction Vessel Fleet by application of Energy Storage Systems

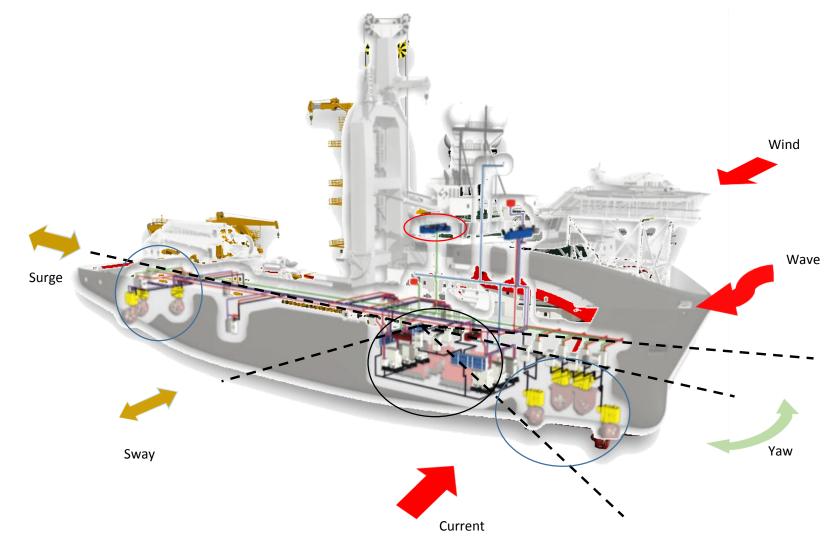
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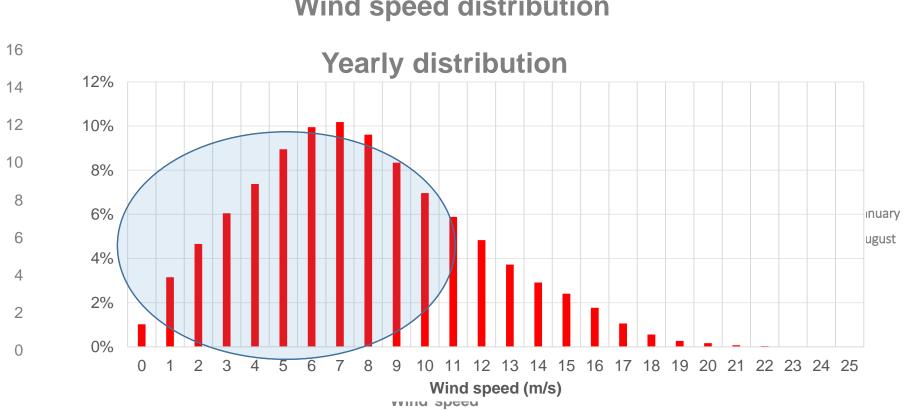
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Dynamic Positioning = Inefficiency







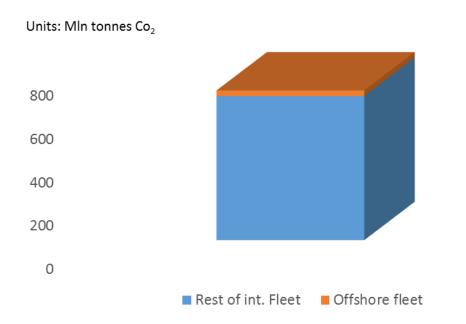








Co2 Emissions Offshore Fleet



*S.B. Dalsoren et al.: Emmissions and impacts international fleet

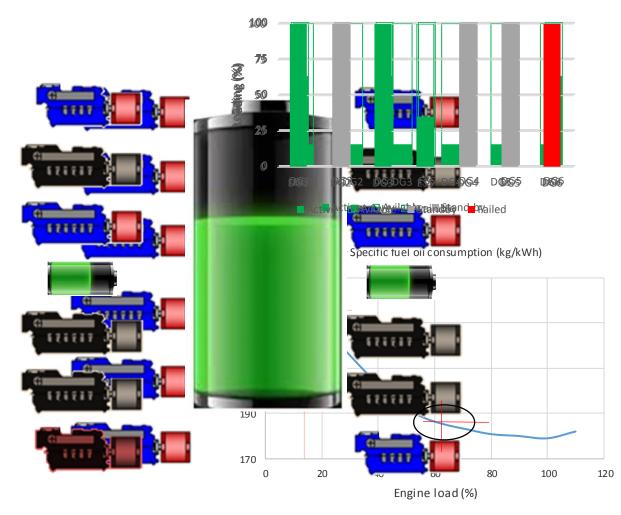
Offshore contribution is 3.8% (26 mln tonnes!)

5 x



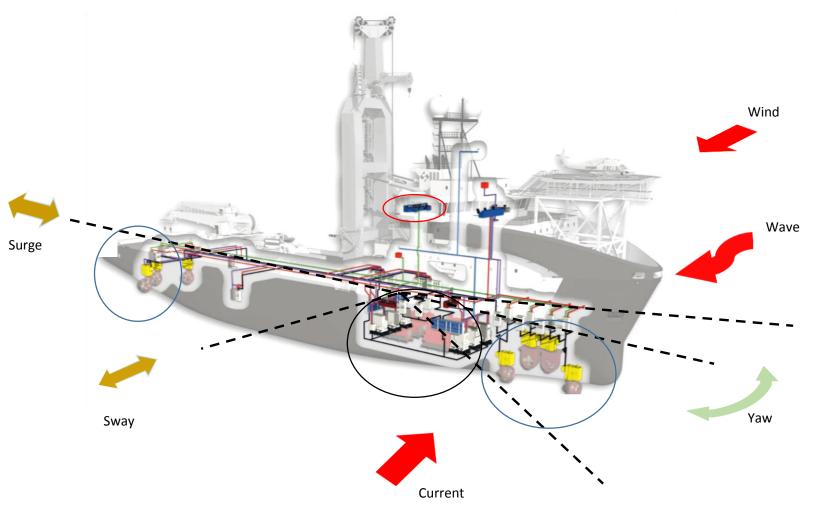


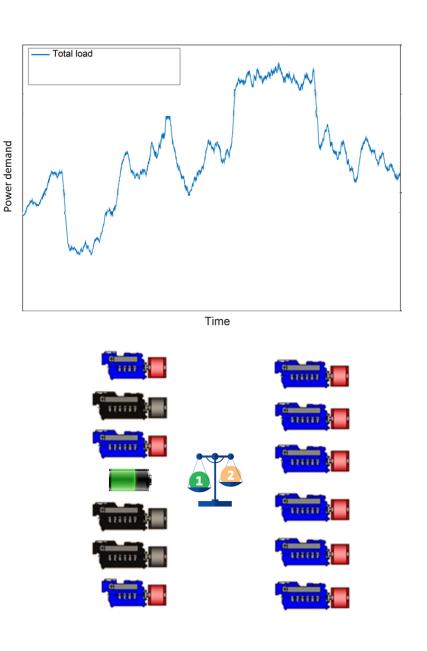
Energy Storage Systems





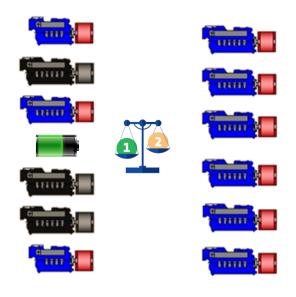
Simulation Tool: Design Optimizattion

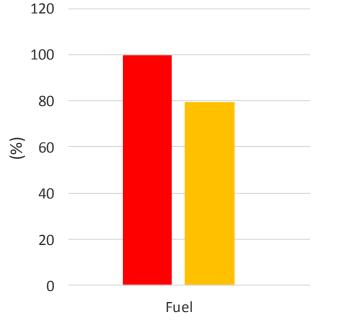






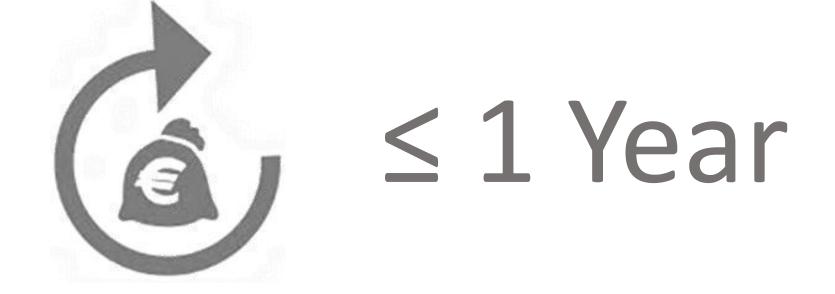
Simulation Results: Added Value Energy Storage Systems





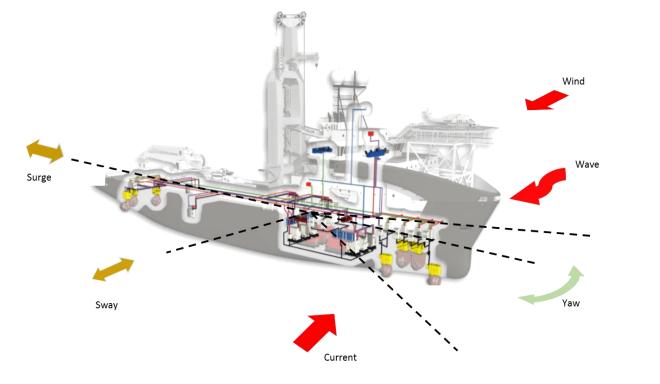
Without ESS With ESS







Operation Planning Phase







Advisory Tool Onboard





Questions?

