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Østensjø Rederi

# Østensjø Rederi

Efficiency at Sea



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Østensjø Rederi

# 40 years of dedication and determination

- Established in 1974 by owner Johannes Østensjø
- 32 vessels in four segments
- 430 employees
- 35 trainees
- Headquarter in Haugesund, Norway



-72

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Østensjø Rederi

# Edda Ferd

In operation with Energy Storage since 25-11-2013

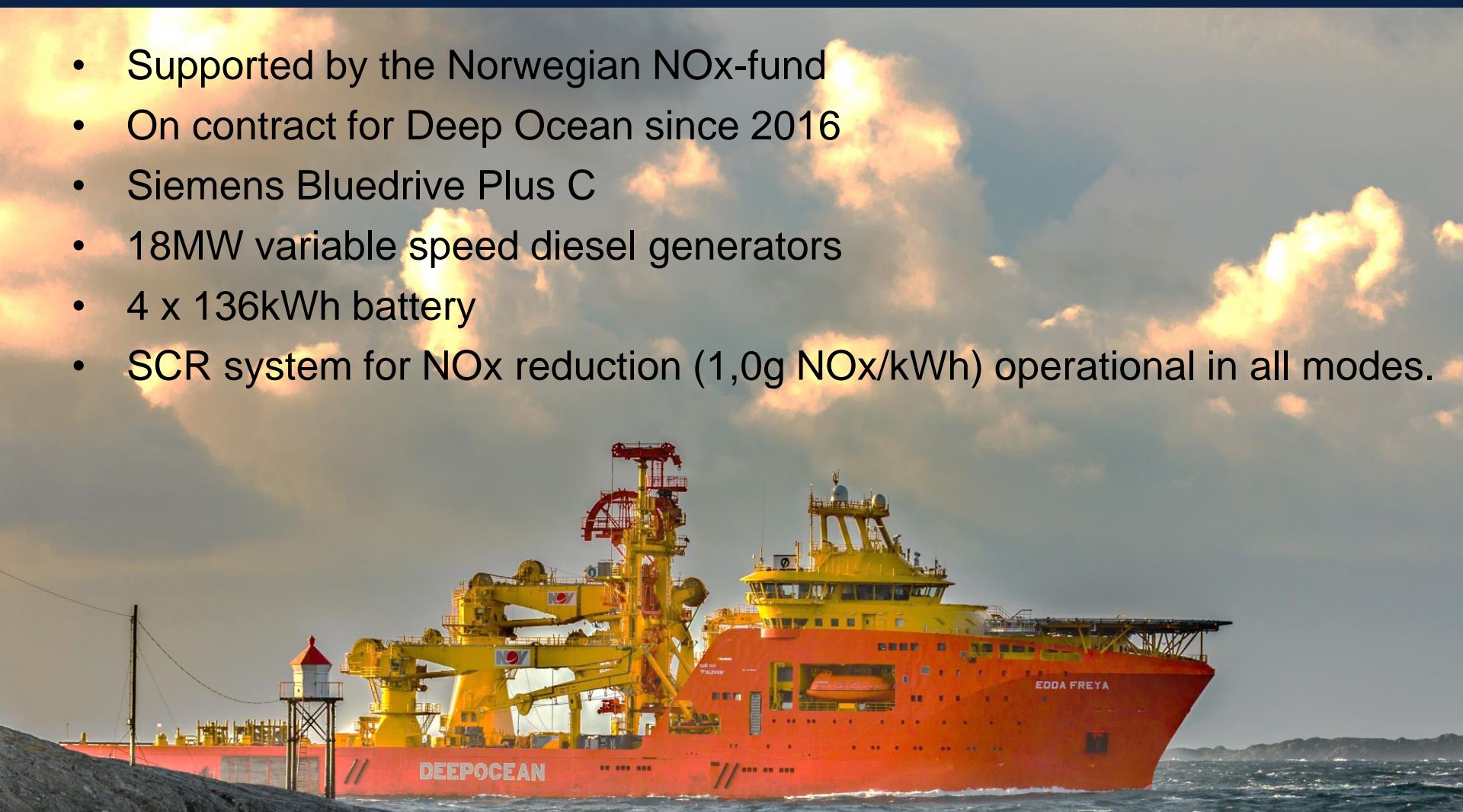




# Edda Freya

Offshore Construction vessel – Battery Hybrid

- Supported by the Norwegian NOx-fund
- On contract for Deep Ocean since 2016
- Siemens Bluedrive Plus C
- 18MW variable speed diesel generators
- 4 x 136kWh battery
- SCR system for NOx reduction (1,0g NOx/kWh) operational in all modes.





# Edda Freya & Edda Ferd

## Summary

- *Proven fuel saving for DP vessel – Lowest SFOC*
- *Medium speed diesel + battery hybrid = Excellent DP capabilities*
- *SCR active 100% = NOx emissions lower than LNG alternatives.*
- *Optimal performance with simple and reliable diesel technology*
- *Lowest THD level < 2,5%*
- *Increased Operational Safety due to battery and DC-link system*

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# Thank you for your attention

For further information visit [ostensjo.no](http://ostensjo.no)

-62

-60

-58

-56

-54

-52

-50

-48

-46

-44

-42

-40

-38



**Østensjø Rederi**

-34