

# Managing an aging ship: The past, present, and future of RV Cefas Endeavour

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**Cefas**

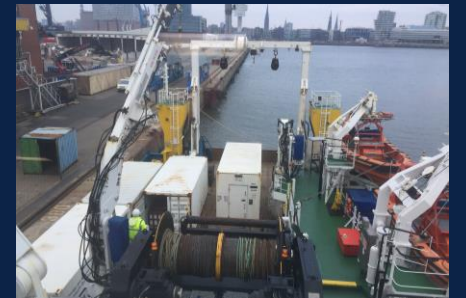
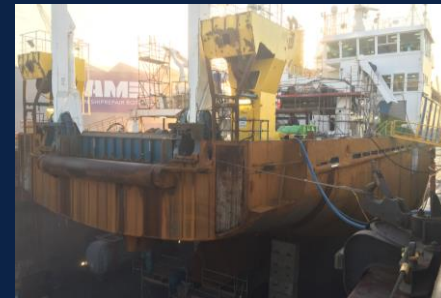
# The Past



# 20+ years of service

## Fantastic outcomes, but not always plain sailing

- 250-300 days at sea per year
- Largely used for UK Government's statutory monitoring activity
- R&D projects co-delivered at sea
- Spare capacity available to charter
- Increasing technical issues as vessel ages → more scheduled maintenance periods
- Most recent vessel management contract started 01 April 2020.
- COVID-19



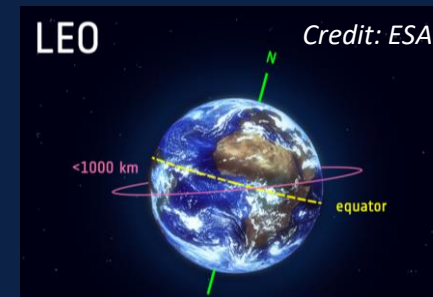
# The Present



# Here and Now

## Continuous Improvement

- Contract Extension with AW Ship Management (through to 31 March 2027)
- Successful HVO (UCO) trial – 100 m<sup>3</sup>
  - Decarbonisation
    - ~24T CO<sub>2</sub>e reduction (WTT)
    - ~258T CO<sub>2</sub>e reduction (TTW)
    - ~282T CO<sub>2</sub>e reduction (WTW)
  - Cost (~£80k higher)
  - Combustion analysis (not yet in)
- Shore infrastructure review
  - Sites
  - Vehicles
- Internet connectivity – LEO



**The Future**



# Future Delivery At Sea (FD@S)

To life extend, or not to life extend – that is the question

- Options under consideration:
  - Continued use without targeted investment
  - Continued use with targeted investment (life extension)
  - Replacement with maintained scientific capability
  - **Replacement with enhanced scientific capability**
- Technical and legal consultants engaged
- Considerations of future vessel management approach
- Decarbonisation / Net Zero ambitions



# Future Delivery At Sea (FD@S)

## Prior Information Notice (PIN)

- This is not a call for competition – it invites participation in pre-market activity
- To notify of a possible procurement (subject to Business Case approval) for the design, build, commission, and delivery of a new Research Vessel in accordance with the following high-level specification:
  - Length <85m
  - Draft ~ 5.5m
  - Beam ~ 18m
  - <5,000GT
  - Berths ~ 40 persons
  - Multi-fuel (synthetic methanol / HVO / MGO)
  - DP2
  - ICES209

<https://www.find-tender.service.gov.uk/Notice/028748-2024?origin=SearchResults&p=1>





# Future Delivery At Sea (FD@S)

## Planned Market Engagement

- 1<sup>st</sup> formal Market Engagement event – 12 Nov 2024
  - In person - Manchester (UK)
  - Online
- Registration is required
- Intended to:
  - provide an opportunity to share additional information on the requirement.
  - gather feedback on the high-level specification and commercial approach.



# Future Delivery At Sea (FD@S)

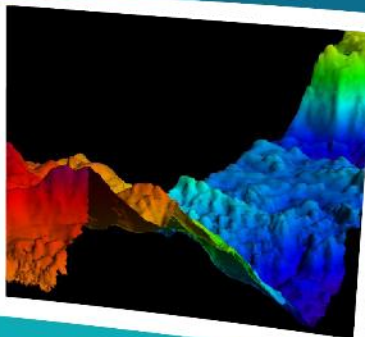
## Further Market Engagement

- Further online engagement events will take place over the coming months (incl. 1-2-1's with Shipyards in November 2024)
- Interested parties will need to express an interest in any potential future tender opportunity once / if a Contract Notice is published.
- Cefas advertises all tender opportunities on the UK Gov site ([gov.uk/find-tender](https://www.gov.uk/find-tender))
- To see all Defra group tender opportunities, register on our ATAMIS e-procurement portal ([atamis-9529.my.site.com/s/Welcome](https://atamis-9529.my.site.com/s/Welcome))

# Thank you for listening

To learn about Cefas scan the QR code or visit [linktr.ee/CefasGovUK](https://linktr.ee/CefasGovUK)

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