





**Bringing
global
experts
together to
engineer
change**



Intro - Professor Susan Gourvenec

- Royal Academy of Engineering Chair in Emerging Technologies in Intelligent & Resilient Ocean Engineering.
- Professor Offshore Geotechnical Engineering and Deputy Director of the Southampton Marine and Maritime Institute, University of Southampton.
- Engineering X Safer End of Engineered Life programme board and theme lead for Safer Decommissioning of Offshore Structures and Ships.



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Safer End of Engineered Life Programme

Seeks to reduce the number of incidents, accidents and casualties that occur as a result of safety issues, as well as addressing the environmental impact, of poor management of waste.

We believe that whenever anything is built, the end of life must be planned for in order to reduce harm to human health and the environment.



Offshore Structures and Ships Theme

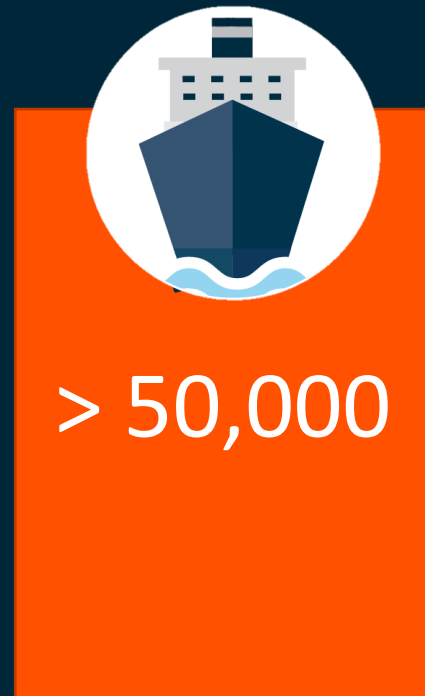
To improve safety through raising standards, improving consistency and spreading the implementation of best practices in the global handling of the decommissioning of offshore structures and ships.

Safer Decommissioning of Offshore Structures and Ships Mission



Context – the scale of the challenge

- Lots ... large ... and often contain hazardous materials



Global
shipping fleet



Offshore
structures



Future
offshore
structures



Safe practices exist ...



Image: Damen Verolme Rotterdam ship recycling yard - © DAMEN



... but too often safe practices are not used.

In 2020, **70%** of the world's end of life ships and offshore floating units were decommissioned on **beaches in South Asia**



<https://lloydslist.maritimeintelligence.informa.com/LL1129035>



Improving safety in the decommissioning of offshore structures and ships



Global **workshop**
in 2019

58 participants

21 countries

Map fundamental
safety issues and
develop impactful
ways to address
them.

Funded **6 projects**



6 Global Projects



PETRONAS



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Advisian
Worley Group



NGO
SHIPBREAKING
PLATFORM



SEA SENTINELS PTE LTD
SAFEGUARDING MARITIME INTERESTS



UK | Malaysia | Singapore

Newcastle Research
& Innovation Institute



Tecnológico
de Monterrey



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DI TERAMO

energy
institute

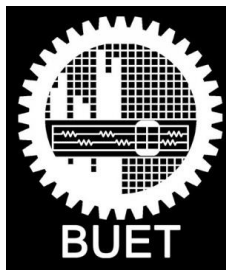


LIVERPOOL
JOHN MOORES
UNIVERSITY



KSRM

শেকড় থেকে শিখারে



SHIP
RECYCLING
TRANSPARENCY
INITIATIVE

seip



University of
Strathclyde
Glasgow

Looking forward

- Future fuels
 - Renewable electricity
 - Doing things better – or differently?
 - Design-for-demanufacture
 - Circular economy principles
 - Economic & policy levers
 - Cross-sector learnings
- Workshop #2
- Funding calls



Offshore structures and ships

SEEL Champions



Join us

Open burning of waste



Global review of
end of engineered life



Please contact Hazel Ingham, SEEL Programme Manager

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