

Life Extension of Offshore Assets

Centre for Research-based Innovations (SFI LEO)

Seeking partners within the offshore industries, oil & gas, renewable energy, aquaculture, maritime and others.
Deadline-first phase: 18-September-2024

Develop innovative solutions for holistic improvements of offshore asset operation and lifecycle. Achieve best profitability, longevity, and safety of personnel, environment, and assets through:

Intelligent monitoring

Autonomous operations

Data analytics

Digital decision tools

Key research avenues

Empower the offshore industries with research and competence in:

- Asset lifecycle economy
- Asset integrity management
- Overall Equipment Effectiveness
- Remaining Useful Life extension
- Risk minimisation

Outcomes

Foster greater collaboration and seamless technology transfer across offshore industries.

Deliver cutting-edge solutions for critical offshore assets leading to:

- Increased asset uptime and availability
- Significant reduction in O&M costs
- Improved operational service windows within safe boundaries
- Informed decisions about life extension minimizing risk and costs



Sustainability

- Reduce total emissions and climate impact through optimised operations from construction to removal
- Improve components longevity, circularity and reuse
- Effective utilisation to alleviate terrestrial pressure
- Safer operations to minimise risk

Partners

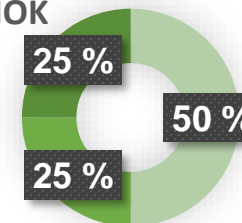
Potential international research partners: TU Delft, RWTH Aachen, Aalborg University, University of Leiden

Potential industrial collaborations: GCE NODE, GCE Ocean Technology, GCE Blue Maritime, CIAM.



8 year project Funding model

200 MNOK



- Research Council of Norway
- Research partners
- Industry partners