

The offshore wind lifecycle – powering communities at every stage

ENERGY

At every stage of your offshore wind project, we work with you to collectively enhance the overall value and sustainability of your project, providing clients with a reliable and efficient source of renewable energy.

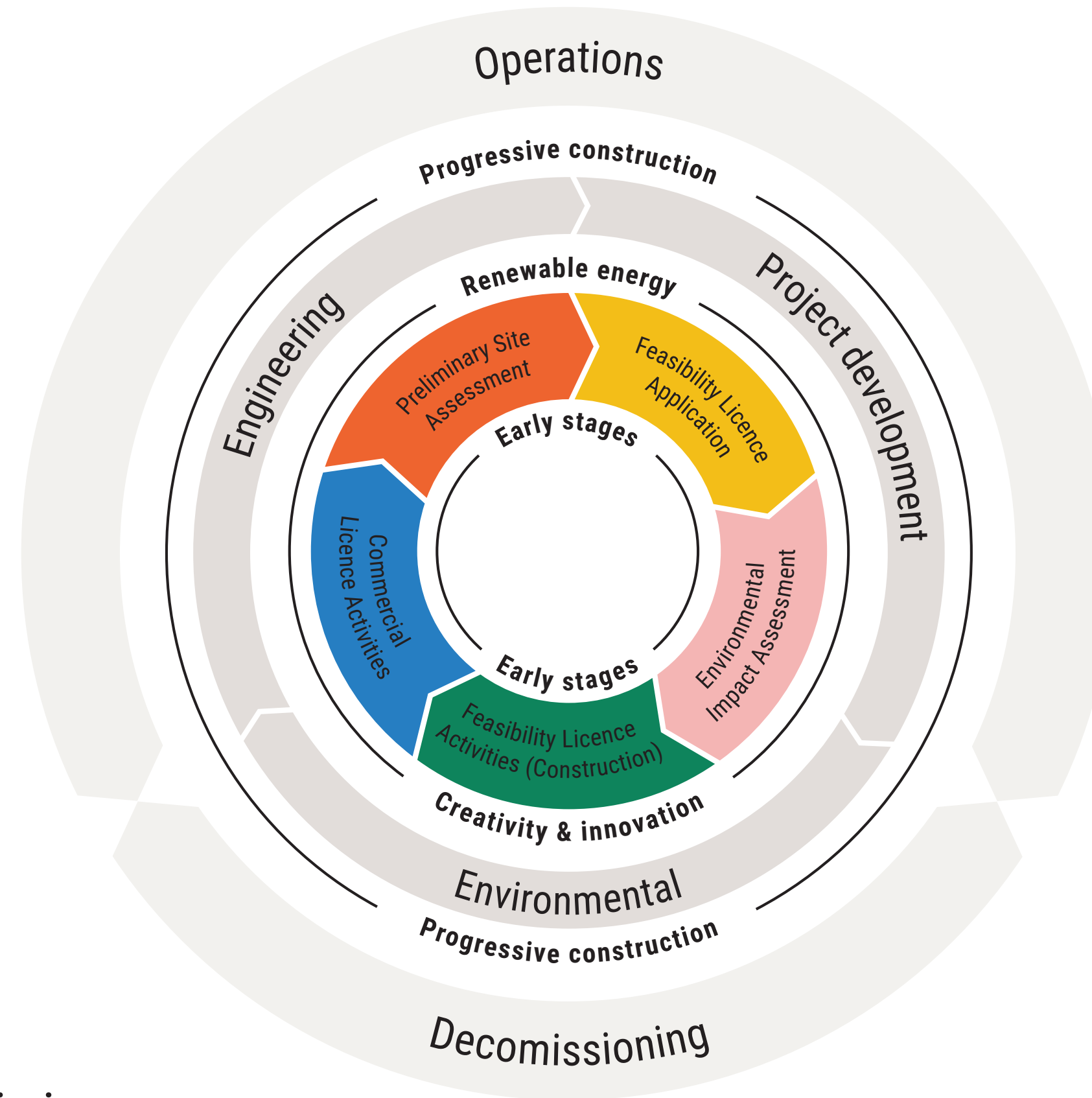
The offshore wind lifecycle provides a comprehensive range of services ensuring the efficiency and effective management of offshore wind projects is delivered from beginning to end. The five stages of the lifecycle will help our clients to achieve a higher return on investment (ROI) by reducing risk and ensuring regulatory compliance is met throughout the lifecycle of the project.

Operations

- Environmental monitoring and reporting
- Ongoing wind resource assessments
- Regulatory compliance assessments
- Engineering and economic assessments (mid-life optimisation)

Decommissioning

- Regulatory approvals strategy
- Feasibility studies and approvals management
- Circular economy optioneering
- In-field environmental surveys
- Post-removal survey and monitoring



Stage 1 Preliminary Site Assessment

- Preliminary environmental impact assessment
- Metocean, and coastal hazard assessment
- Wind resource assessment
- Preliminary economic review
- Engineering studies
- Desktop geotechnical / geophysical studies

Stage 2 Feasibility Licence Application

- Preliminary environmental impact assessment
- Risk assessment
- Stakeholder engagement
- Economic assessment
- Engineering studies
- Geotechnical / geophysical studies
- Digital engineering
- Constraints analysis

Stage 3 Environmental Impact Assessment

- In-field environmental studies
- Full environmental impact assessment
- U/W Acoustics
- U/W Heritage
- Stakeholder engagement
- Port facility engineering / advisory
- Economic assessment

Stage 4 Feasibility Licence Activities (Construction)

- Power engineering
- Port facility engineering / advisory
- Stakeholder engagement
- Information inputs into management plan
- Interface with regulator
- Additional studies as needed
- In-field monitoring

Stage 5 Commercial Licence Activities

- Environmental monitoring
- Power engineering monitoring
- Economic analysis
- Interface with regulator