



Decommissioning



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World leading centre for wave and tidal energy development



32
devices

•

20
developers

•

11
countries



Introduction.

- Learning curve
- Licencing
- Practical aspects of decommissioning
- The goal
To manage risk -
ultimately to make the
sector more investable



Transfer of decommissioning responsibilities from UK to Scottish government

- The decommissioning responsibilities and powers for Offshore Renewables Energy Installations in Scottish Waters transferred from the Secretary of State to Scottish Ministers in April 2017. Until then the UK Government's Department for Business, Energy and Industrial Strategy (BEIS), was responsible for requiring decommissioning programmes and securities for such projects.
- Consultation on the draft guidance opened 22nd November 2019 and closed 16th March 2020

Scottish guidance kept in line with UK guidance

- The main proposed variation from the UK Government's approach is in relation to test centres. The BEIS guidance states that test centres remain responsible for ensuring decommissioning of tenants. The Scottish Government is proposing that plans for tenants should instead be approved by Marine Scotland.

Scottish Policy and Guidance

- Sections 105 to 114 of the Energy Act 2004 (as amended by the Energy Act 2008 and the Scotland Act 2016) (“the Energy Act”) contain **statutory requirements** in relation to the decommissioning of offshore renewable energy installations and their related electricity lines.
- Under the terms of the Energy Act Scottish Ministers **may require a person who is responsible for these installations to prepare (and eventually carry out) a costed decommissioning programme** for submission to and approval by Scottish Ministers. Marine Scotland organises the submission to ministers once submitted by the developer.
- Changes to the Energy Act, brought about by the Scotland Act 2016, **provide that the Scottish ministers, rather than the UK Government Ministers**, will exercise functions in relation to the decommissioning of renewable energy installations located in Scottish Waters or in Scottish parts of a Renewable Energy Zone.

PUBLICATION - ADVICE AND GUIDANCE

Offshore renewable energy: decommissioning guidance

Published: 22 Nov 2019

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Part of: [Marine and fisheries](#)

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Draft guidance to assist developers / owners in Scotland to understand their decommissioning obligations under the Energy Act 2004.

Test Centre Specifics

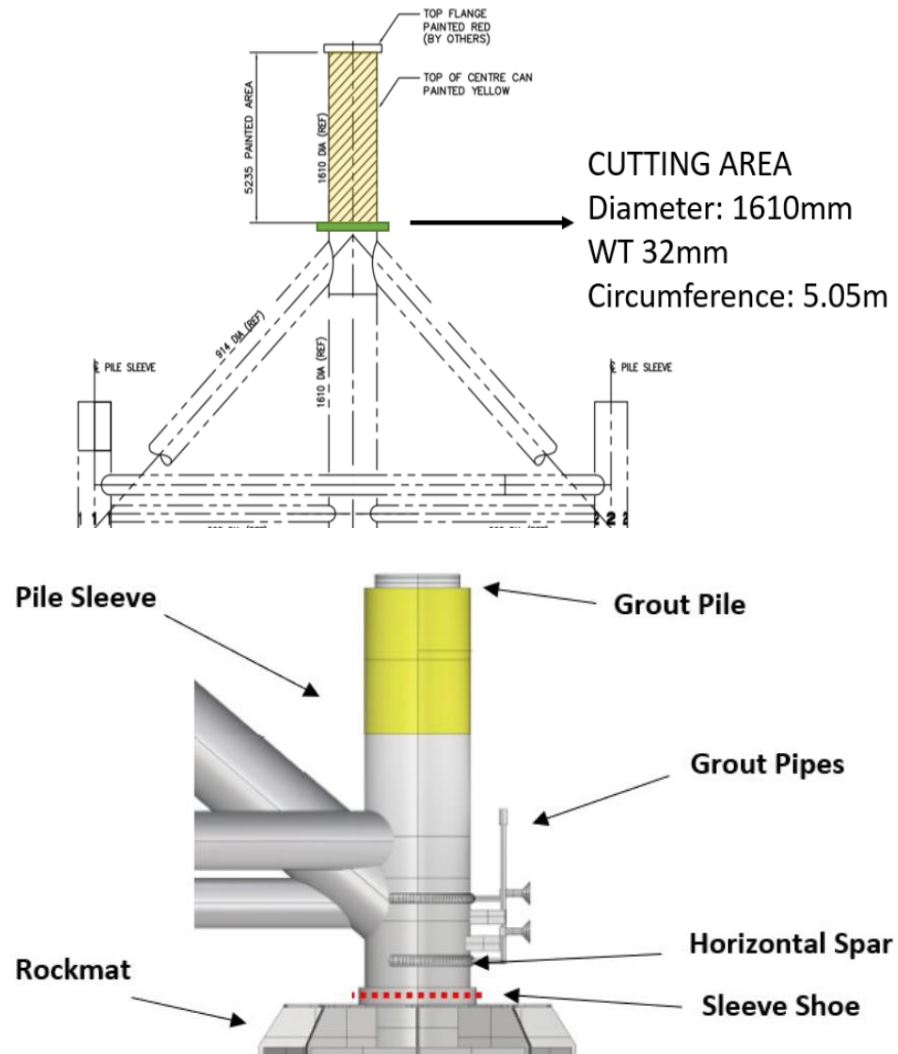
- Scottish Ministers expect that tenants within offshore renewable energy test centres in Scotland must produce their own decommissioning programmes for the approval of Scottish Ministers.
- Test centre tenants must provide Scottish Ministers with **appropriate financial security** to enable decommissioning of the assets at the end of the operating period in line with the relevant marine licence.
- Developers wishing to deploy their assets at a test centre should engage with Scottish Ministers on this matter at the **earliest possible opportunity**. Scottish Ministers would expect securities to be in place before the start of any deployment.
- Where financial security is not sufficient or has not been put in place, Scottish Ministers will expect test centre operators to step in and pay for the removal of any assets on its site at the end of the operation period.

Process

Stage 1	Stage 2	Stage 3 ^[9]	Stage 4	Stage 5	Stage 6	Stage 7	Stage 8
Initial discussion between developer and Scottish Ministers	Issue of s.105 notice by the Scottish Ministers requiring a decommissioning programme	Detailed discussions; submission and consideration of a draft programme (including proposed financial security measures)	Consultation with interested parties;	Formal submission of a programme for approval under the Energy Act	Reviews and modifications of decommissioning programme (and any financial security); review or completion of decommissioning Appropriate Assessment (where necessary)	Developer Undertakes approved decommissioning programme	Monitoring of site and report on decommissioning outcomes

Site Experience

- Decommissioning an after thought?
- How are you going to do it.
- What is the tooling required.
- Vessels.
- Debris recovery.



Conclusion

- Design decommissioning in
- Design risk out
- Design cost out

Make it commercial

