Supergen

Offshore Renewable Energy

Autumn Assembly
Panel Session 1

How do we…

gain public support for the **net zero transition**, and **sustain the workforce** needed, with **EDI at its core**

…to 2030 and beyond

Gaining public support for the net zero transition

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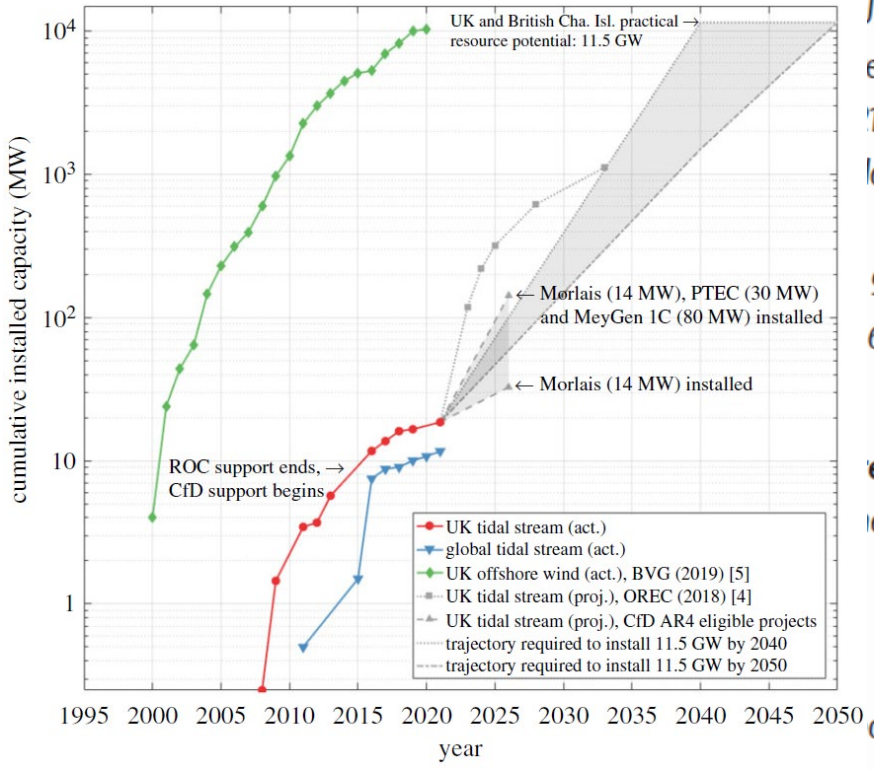

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royalsocietypublishing.org/journal/rspa

Review

Cite this article: Coles D *et al.* 2021 A review
JK and British Channel Islands practical
eam energy resource. *Proc. R. Soc. A*
10469.
loi.org/10.1098/rspa.2021.0469

9 June 2021
6 October 2021

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ower, tidal stream energy,
practical resource, cost of energy, system

THE ROYAL SOCIETY PUBLISHING

A review of the UK and British Channel Islands practical tidal stream energy resource

Daniel Coles[1], Athanasios Angeloudis[2], Deborah Greaves[1], Gordon Hastie[3], Matthew Lewis[4], Lucas Mackie[5], James McNaughton[6], Jon Miles[1], Simon Neill[4], Matthew Piggott[5], Denise Risch[7], Beth Scott[8], Carol Sparling[3], Tim Stallard[9], Philipp Thies[10], Stuart Walker[10], David White[11], Richard Willden[6] and Benjamin Williamson[12]

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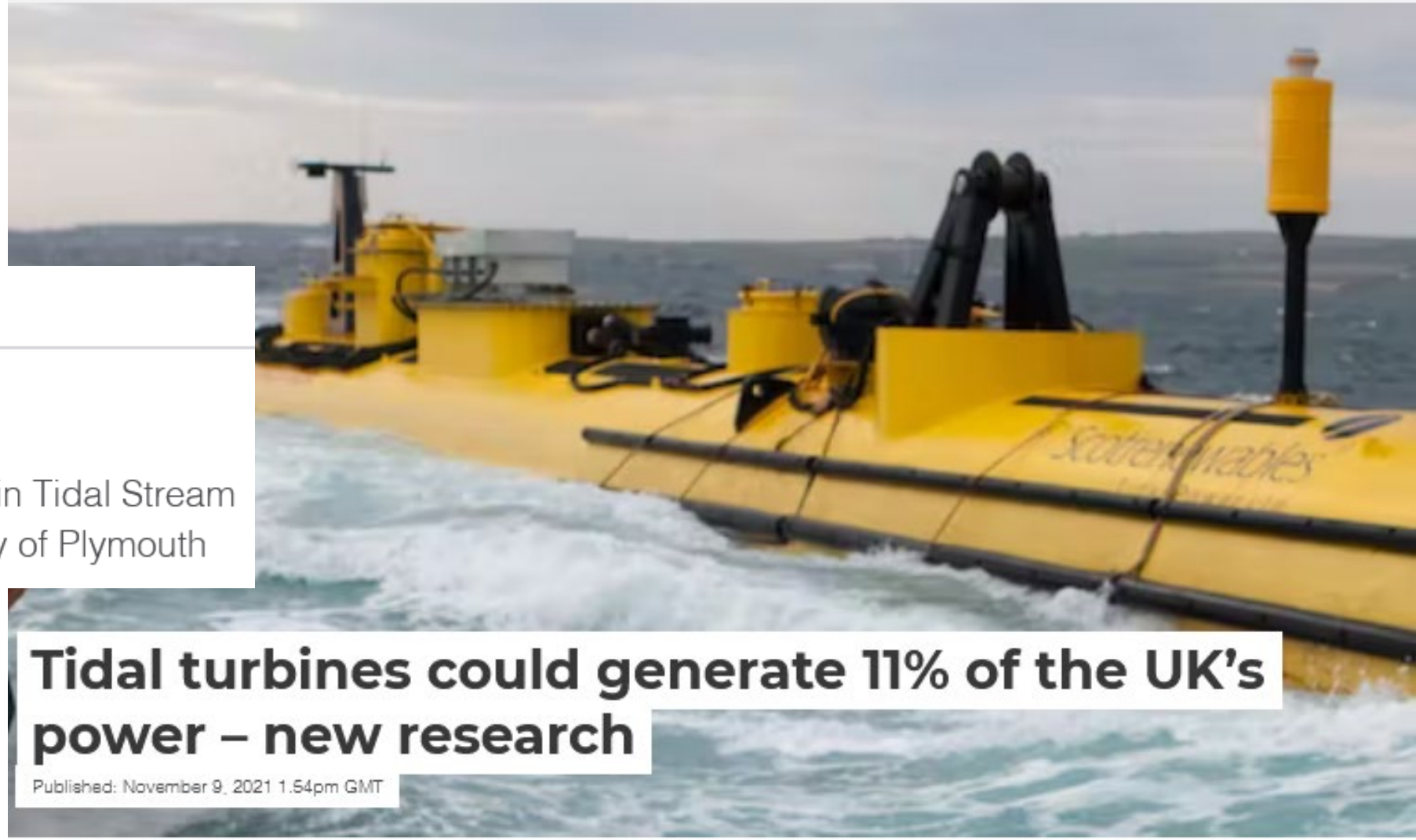
Gaining public support for the net zero transition



Tidal turbines could generate 11% of the UK's power – new research

Published: November 9, 2021 1.54pm GMT

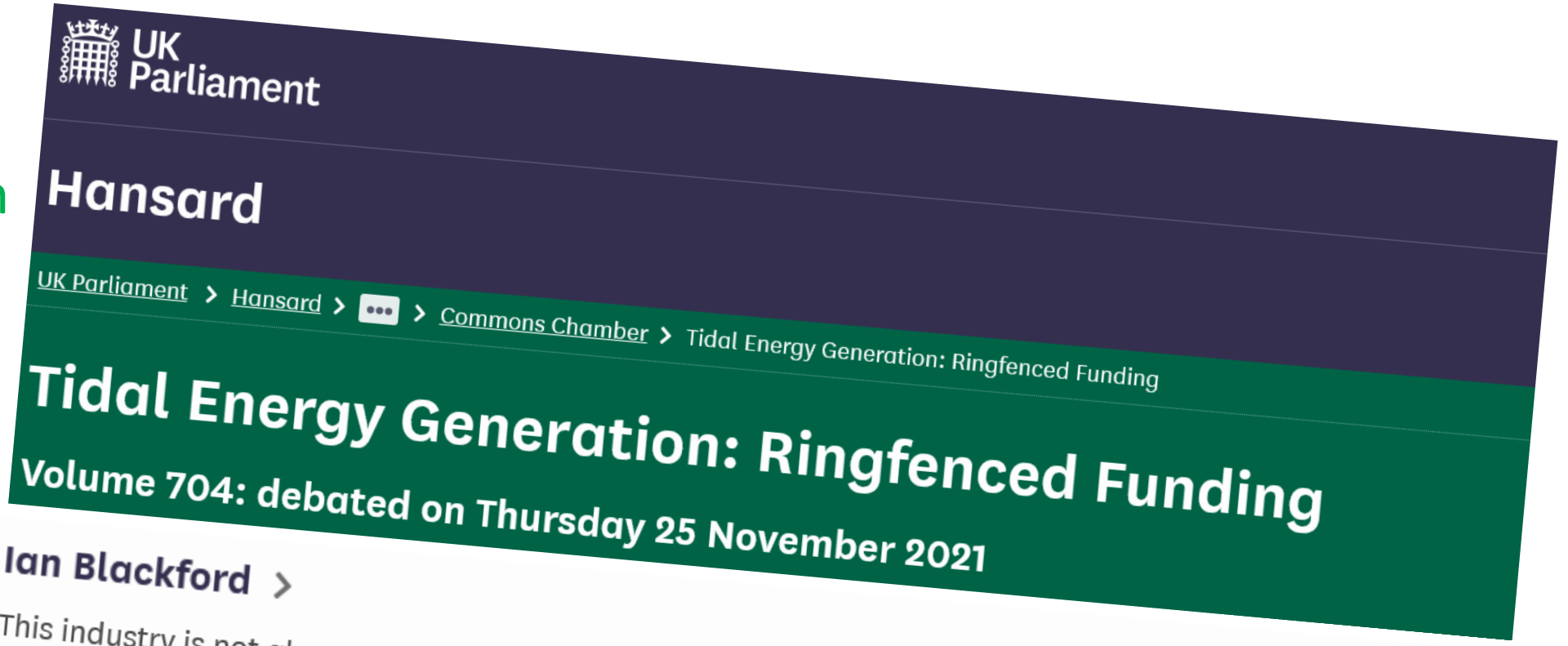
A floating tidal stream turbine undergoing testing in Orkney, Scotland. Steve Morgan/Alamy Stock Photo

Author

Danny Coles

Research Fellow in Tidal Stream Energy, University of Plymouth

Gaining public support for the net zero transition



UK Parliament

Hansard

UK Parliament › Hansard › ••• › Commons Chamber › Tidal Energy Generation: Ringfenced Funding

Tidal Energy Generation: Ringfenced Funding

Volume 704: debated on Thursday 25 November 2021

Ian Blackford ›

This industry is not alone as an emerging opportunity; there is also emerging evidence of just how big this opportunity can be for our present and future energy needs. A recent report for the Royal Society, led by Daniel Coles at the University of Plymouth in collaboration with the Universities of Aberdeen, St Andrews and Highlands and Islands, has found that the UK can get 15% of its electricity production from tidal stream power. That would be a massive contribution to the work that needs to be done to get to net zero by 2045 in Scotland and by 2050 in the rest of the UK. Achieving this would require around 11.5 GW of tidal stream turbine capacity to be installed.

Just to put that in context, we currently stand at 18 MW. This takes us to the nub of the issue regarding the support required from the Government to create the investment in the industry that
Member for Kilmarnock and Loudoun mentioned
184 MW

Gaining public support for the net zero transition

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Brexit Britain triumph as world-beating tidal technology paves way for future energy

BREXIT BRITAIN is paving the way for the future of science with its Ten Point Plan, with Dr Danny Coles, a researcher in tidal stream energy, telling Express.co.uk about the country's world-leading tidal turbine projects.

By JOEL DAY

08:48, Sat, Dec 4, 2021 | UPDATE

Gaining public support for the net zero transition

reNEWS.BIZ

OFFSHORE WIND | ONSHORE WIND | SOLAR | WAVE & TIDAL | OTHER NEWS

Labour pledges to 'quadruple' offshore wind by 2030

Sir Kier Starmer calls for more UK wind and solar ahead of the Labour Party conference

25 September 2022 | Offshore Wind | [Image: The Labour Party]

News > UK > UK Politics

Boris Johnson was 'clearly wrong' to say wind farms couldn't 'pull the skin off a rice pudding', cabinet minister says

'When he said that eight-nine years ago, clearly what he said was wrong', says Kwarteng

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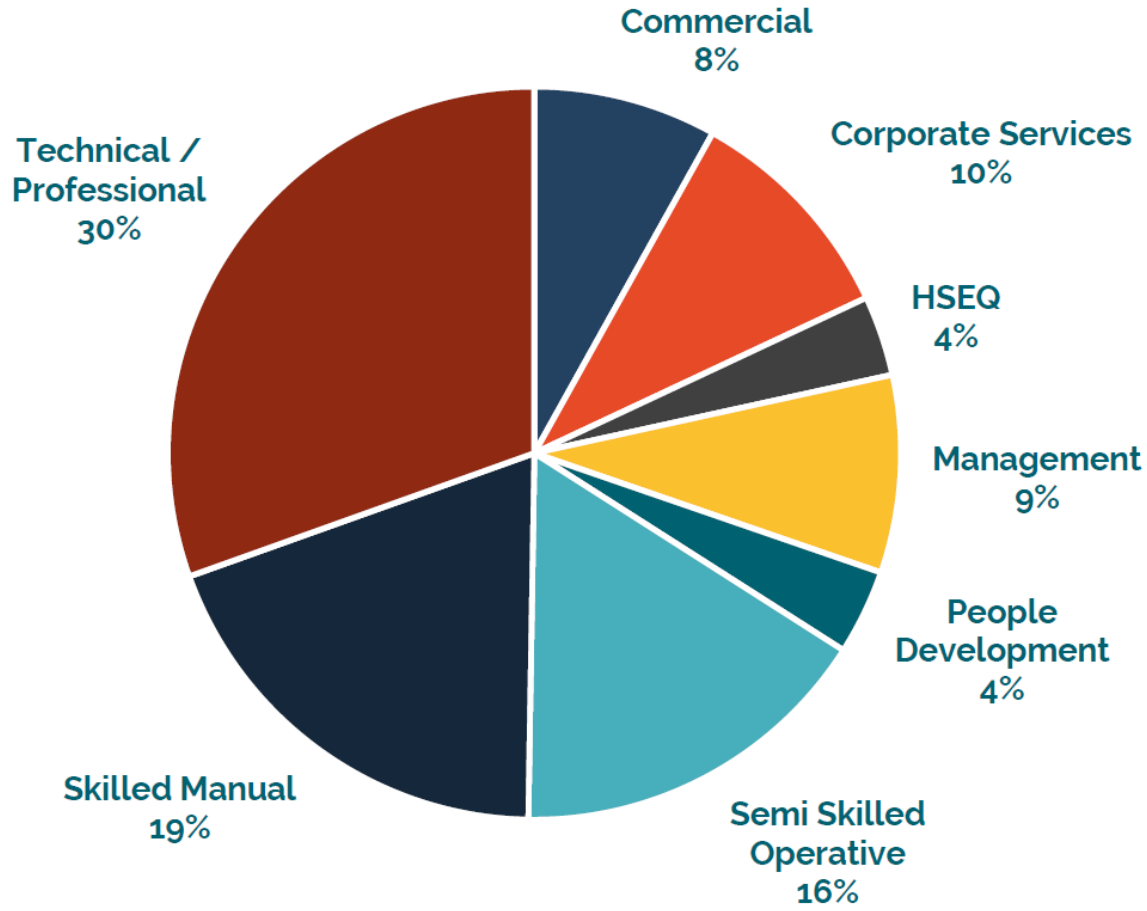
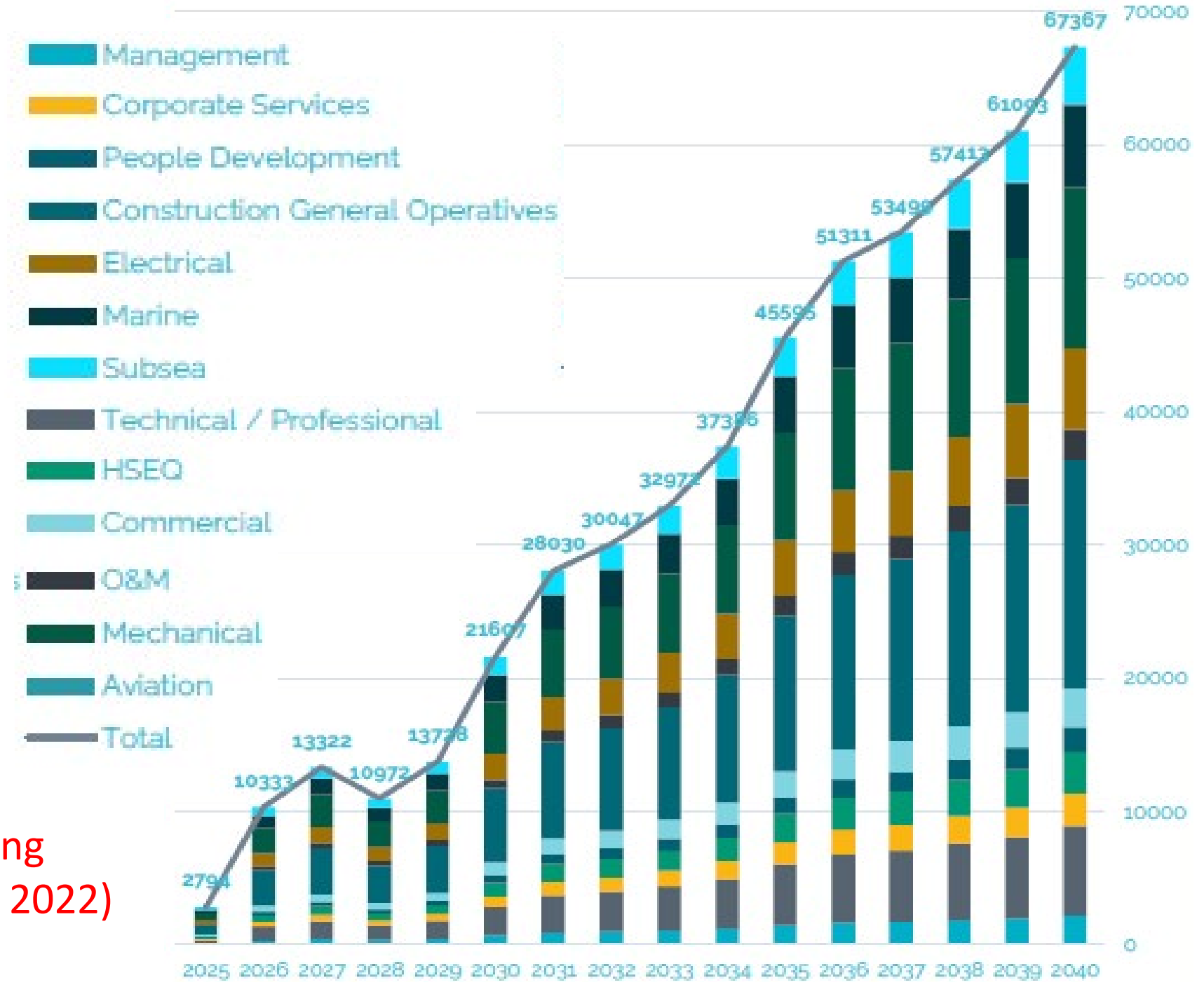
Sustaining the workforce needed, with ED&I at its core



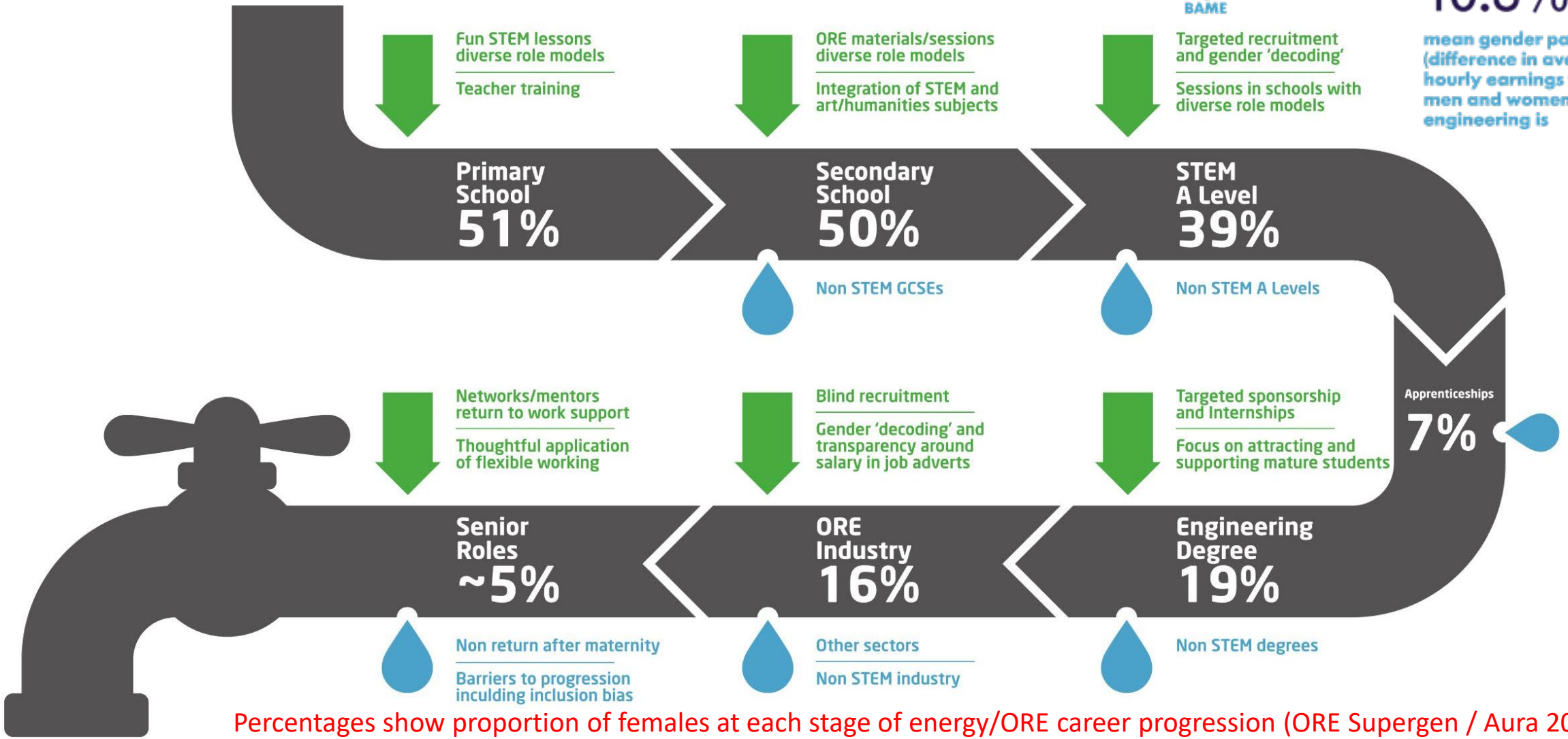
OWIC / RenewablesUK review (May 2022)

Sustaining the workforce needed, with ED&I at its core



Projected jobs in UK floating offshore wind (OREC June 2022)

Sustaining the workforce needed, with ED&I at its core



Percentages show proportion of females at each stage of energy/ORE career progression (ORE Supergen / Aura 2021)

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gain public support for the **net zero transition**

sustain the workforce needed, with **EDI at its core**

…to 2030 and beyond

Panellists:

Prof. Jim Gilbert, University of Hull
Sue Barr, Chair Marine Energy Council
Tim Camp, ABL Group
Adam Morrison, Moray West Offshore Wind Farm
Ross Wigg, Lead Industrial Partner, ORE Supergen Hub
Prof. Peter Robertson, Queens University, Belfast