



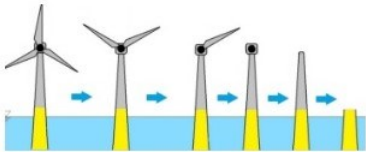
## Decommission Decision Support System

18 December 2020 - Published by Charlotte Lundsberg Baumgartner

In this version, the user can select one of the 6 available wind turbine removal and one of the 4 available foundation removal scenarios. It includes a list of currently utilised jack-up vessels in the North Sea region with detailed information on their available space deck, crane capacity, transit speed, and other characteristics required for a detailed cost analysis.

The software employs detailed cost models which have been specifically developed for the decommissioning of offshore windfarms. The cost parameters have been obtained by a thorough analysis of recently conducted offshore decommissioning projects.

*“We have submitted the background theories accompanied by detailed case studies to the relevant scientific journals and conferences for publications and hopefully soon those who are interested to learn more about the background theories will have access to these materials”* says the DecomTools WP4 Leader Dr Maheri from the University of Aberdeen.



	Offshore Support Vessel	Foundation Removal Cost	
Jack-up Vessel	Barge Vessel	Tug Boat	Turbine Removal Cost
Jack-up vessel type	Sea Jack		
Propulsion:	Self-propelled JUV		
Transit Speed (knots):	12		
Jacking Up Speed (m/min):	0.8		
Jacking Down Speed (m/min):	0.8		
Deck Space (m^2):	4600		
Crane Capacity (tonnes):	1500		
Daily Rate (pounds):	1.75e+05		
Add New Jack-Up Vessel			

In the next version, planned to be released in July 2021, the user will be able to define new/innovative removal scenarios including part reutilisation and determine the associated costs, incorporate the regional legislative constraints, and include weather data and other sources of uncertainties and risk factors in analysis.

If you are interested in learning more about Decommission  
Decision Support System (Decom DSS v1) or using Decom DSS v1  
please contact Dr Alireza Maheri [Alireza.Maheri@abdn.ac.uk](mailto:Alireza.Maheri@abdn.ac.uk).