



# leanwind

## Logistic Efficiencies And Naval architecture for Wind Installations with Novel Developments

Project acronym: **LEANWIND**  
Grant agreement n° 614020  
Collaborative project  
Start date: 01<sup>st</sup> December 2013  
Duration: 4 years

### Roadmap for the integration of component innovations in large offshore wind farms/arrays Work Package 6 - Deliverable number 6.4

Lead Beneficiary: UCC\_HMRC  
Due date: Month 42  
Delivery date: Month 43  
Dissemination level: Restricted



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No. 614020.

## Disclaimer

The content of the publication herein is the sole responsibility of the authors and does not necessarily represent the views of the European Commission or its services.

While the information contained in the documents is believed to be accurate, the authors(s) or any other participant in the LEANWIND consortium make no warranty of any kind with regard to this material including, but not limited to the implied warranties of merchantability and fitness for a particular purpose.

Neither the LEANWIND Consortium nor any of its members, their officers, employees or agents shall be responsible or liable in negligence or otherwise howsoever in respect of any inaccuracy or omission herein.

Without derogating from the generality of the foregoing neither the LEANWIND Consortium nor any of its members, their officers, employees or agents shall be liable for any direct or indirect or consequential loss or damage caused by or arising from any information advice or inaccuracy or omission herein.

## Document Information

Version	Date	Description	Prepared by	Reviewed by	Approved by
		<b>Name/Organisation</b>			
V1.0	02/06/2017		Cian Desmond/ UCC_HMRC	Jan Erik Hanssen/ 1-Tech	Jan Arthur Norbeck/ SINTEF
V1.1	16/06/2017		Cian Desmond/ UCC_HMRC	Jan Erik Hanssen/ 1-Tech	Jan Arthur Norbeck/ SINTEF

### Author(s) information (alphabetical):

Name	Organisation
Cian Desmond	UCC_HMRC
Aldert Otter	UCC_HMRC
Yegenah Atari	GDG
Maria del Mar Pintor Escobar	ACCIONA
Jochen Giebhardt	Fraunhofer

### Acknowledgements/Contributions:

Name	Organisation
Jan Erik Hanssen	1-Tech
Declan Jordan	UCC_HMRC

## Definitions



## Executive Summary

This document is a confidential deliverable which has been produced by University College Cork, National University of Ireland, Cork (UCC\_HMRC) with input from Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (Fraunhofer), Gavin and Doherty Geosolutions Ltd (GDG) and Acciona Infraestructuras S.A. (ACCIONA).

There are two elements to this deliverable:

- **Project Output Updates** – A list of LEANWIND outputs has been curated by UCC\_HMRC and was previously reported on in D6.2: Intermediate Integration Assessment. In this deliverable, an update on the status of the LEANWIND outputs, six months before the end of the project, is provided.
- **Development Roadmap** – A roadmap for the integrated use of the LEANWIND projects outputs is presented to highlight how cost savings may be realised across the lifecycle of an offshore wind farm.