Logistic Efficiencies And Naval architecture for Wind Installations with Novel Developments

Fact Sheet

Project Information

LEANWIND
Grant agreement ID: 614020
Status
Closed project

Start date
1 December 2013
End date
30 November 2017

Funded under
FP7-TRANSPORT

Overall budget
€ 14 768 953

EU contribution
€ 9 986 231

Coordinated by
UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK
Ireland

Objective

A new EU 7th Framework Programme project, “LEANWIND” (Logistic Efficiencies And Naval architecture for Wind Installations with Novel Developments) seeks to apply lean principles to the offshore wind farm project lifecycle. The primary LEANWIND objective is to provide cost reductions across the offshore wind farm lifecycle and supply chain through the application of lean principles and the development of state of the art technologies and tools.

The offshore wind industry in existing near shore shallow sites has yet to become cost competitive with traditional forms of energy while new sites are being planned for greater distances from shore or deeper water bringing new challenges. The offshore wind industry has not yet applied lean principles to the logistical operations
of the wind farm in all stages of the lifecycle as proposed by the LEANWIND project. “Lean” principles were originally developed by Toyota to optimise the processes of manufacturing industries; these principles of optimisation and efficiency have subsequently been adopted by many other industries to remove wasteful stages and streamline processes.

This new “lean” paradigm will be applied to each of the critical project stages: logistical processes, shore-based transport links, port and staging facilities, vessels, lifting equipment, safety and O&M.

The LEANWIND approach will ensure that unnecessarily complex or wasteful stages of the development process are removed, flow between the required stages is streamlined, quality is enhanced and thus overall cost and time efficiency improved to enable the industry to bridge the gap between current costs and industry cost aspirations. Properly applied, lean management will improve quality, reliability and H&S standards across the project supply chain and throughout the wind farm lifecycle.

Field of science
/social sciences/social and economic geography/transport

Programme(s)

Topic(s)

Call for proposal

FP7-OCEAN-2013

Funding Scheme

CP - Collaborative project (generic)

Coordinator

UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK

Address
Western Road
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Ireland

Activity type
Higher or Secondary
Education Establishments

EU contribution
€ 1 168 871,99

Website
Contact the organisation
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David O’connell (Dr.)

Participants (31)

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**SINTEF OCEAN AS**
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EU contribution
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**GAVIN AND DOHERTY GEOSOLUTIONS LTD**
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**ACCIONA CONSTRUCCION SA**
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KONGSBERG MARITIME AS
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€ 191 200
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Activity type
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### A2SEA A/S
- **Denmark**
- **EU contribution**: € 73,575.37
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- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)
- **Website**
- **Administrative Contact**: Niall Cremin (Mr.)

### VASCO GALLEGCA SOCIEDAD DE CARTERA SL
- **Spain**
- **EU contribution**: € 85,513.65
- **Address**: Calle Pontevedra Num.4 Planta 3A, 36201 Vigo
- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)
- **Website**
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### ELECTRICITE DE FRANCE
- **France**
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- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)
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Administrative Contact

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**IBERDROLA RENOVABLES ENERGIA SA**

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**SINTEF ENERGI AS**

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€ 349 353

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Activity type

Research Organisations

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Matthias Hofmann (Mr.)

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**FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG EV**
**FORSCHUNG E.V.**

Germany

EU contribution

€ 271 362,30

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Activity type: Research Organisations

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**NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA**

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EU contribution

€ 214 800

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**CONSORCIO PARA EL DISENO, CONSTRUCCION, EQUIPAMIENTO Y EXPLOTACION DE LA PLATAFORMA OCEANICA DE CANARIAS**

Spain

EU contribution

€ 203 930,40

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Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Website: [Contact the organisation](#)

Administrative Contact: Paula Pacheco Santamarina (Ms.)

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**FORCE TECHNOLOGY**

Denmark
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<td>Cottingham Road HU6 7RX Hull</td>
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<td>€ 192 400</td>
<td>Rue Du Luxembourg 23 1000 Bruxelles</td>
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Haven Oostende Autonoom Gemeentelijk Havenbedrijf
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Last update: 18 December 2017
Record number: 111310