

Project 'Sustainable service logistics for offshore wind farms'

NWO, together with TKI Logistics, has set up the research program 'Sustainable Logistics'. Within one of the funded projects, 'Sustainable service logistics for offshore wind farms' (budget: 1.25 million euros), three PhD-students and two Postdoc researchers will work together to investigate the optimal and sustainable design of service logistics processes needed in the maintenance and operations phase of offshore wind farms. They will do so in a consortium of twelve external partners (i.e. University of Groningen, Province of Groningen, DHL, Siemens, Van Oord, Wijnne Barends, Groningen Seaports, Eekels Technology BV, EYEWIND, Oliveira International Group, ECN, Energy Valley, Dutch Institute World Class Maintenance). It is expected that the results will be applicable for other sectors as well.

One Postdoc researcher is currently working in this project on routing issues in offshore wind farm maintenance. Two PhD researchers will start in September 2015 and will work on network design aspects and planning of offshore maintenance policies. At the University of Groningen we have available a

PhD Position Collaboration and governance aspects

The researcher will look at how performance-based contracts align interests between supply chain actors in service settings, and will consider the challenges sustainable logistics pose for incentive alignment, the role of multi-party logistics networks, multiple wind-farm setups, and the role of trust to better understand collaboration and governance aspects of sustainable offshore wind farm service logistics. The researcher will most likely make use of game-theoretic approaches, and is expected to collaborate with our external consortium partners.

Applicants need to have demonstrated competences for quantitative methods (i.e. Operations Research), with a background in logistics, supply chain management, industrial engineering, operations research or equivalent fields. Applicants with a background in Economics (e.g. Industrial Organization or related) are also welcome to apply.

Contact

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