

Fresher project newsletter

July 2020



This is the first newsletter for the FRESHER project that started in November 2019. With this newsletter, which we will give out every quarter from now on, we would like to inform all stakeholders on the progress of the project. The project has received funding from the European Maritime and Fishery Fund research and innovation program under grant agreement No 870239. The project has successfully finalized the first work packages on technical requirements and basic system design for an optimized floating solar farm. The work was accompanied by the application for per-

mitting with the Portuguese authority LNEC for establishing the testing and demonstration site at Alqueva. Some more details on the project work is found in this newsletter as well as some short questions to Lars Brandt, project responsible from Seaflex. We hope that you get a good overview on the Fresher project status and progress. If you would like to get further details and information, please reach out to us!

Greetings and have a good summer!

Lars Brandt, Project Manager Fresher Project, Seaflex.

Three questions to Lars Brandt, Seaflex

Which challenges are there in your perspective in the project?

- Currently the project, aiming at a physical installation, has to pass the permitting phase for such a site. This coordination and work has proven to be a lot of work. Most of the material is of course based on the different WP that we successfully have been working with in the project and already delivered. But the permitting authority is asking for additional information and process description that was initially not part of the Fresher application.

Which potential does the project have?

- The potential for floating solar is unequivocally proven from many to be very large. There are multiple organizations and companies reiterating this fact. The organization DNV-GL has launched a process to develop what's called "Best Practices" due to the need of

getting more structure into this development of floating solar energy platforms. Already 2019 the World Bank together with an organization in Singapore "SERIS" had shown the huge development in the FPV niche market. The estimated energy asset being tapped into by this development is 4 TW. So the development that Fresher is focused at is very highlighted in the industry and will definitely prove to be very important for the development of the FPV technology.

How does the project fit into the business development strategy of your organisation?

- Seaflex long term focus on FPV since 10 years has proved how perfectly the Project fits into our strategic development. The vision of Seaflex is to make our solution to be the global standard for sustainable mooring technology and this project is a very important link in that development.

About the Fresher Project

Floating Solar Energy mooring: Innovative mooring solutions for floating solar energy. The main goal of the FRESHER project is to demonstrate and validate a new innovative mooring solution for floating solar arrays which implies a step change in the LCoE and

performance of the Solar Power, ensuring that more renewable energy units can be built. The design is based on lessons learnt from previous tests and commercial deployments as well as experience from the industrial and offshore sector.

Would you like to receive the Fresher project newsletter?

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Innovative mooring solutions to
reduce cost of floating solar plants

FreShER

Large-scale floating solar plants to be a competitive
solution for a clean and renewable energy supply



- Demonstrate an innovative mooring solution in a full-scale floating solar park to reduce costs by 50%
- Increase knowledge on motions and loads on a floating solar park enabling improvements of the moorings and anchoring
- Demonstrate and validate mooring solutions for near-shore and offshore floating solar parks

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