

# Wave energy converter installation in Heraklion: First preparation phase successfully completed

Press release – June 11, 2018

**This summer SINN Power will install five wave energy converter (WEC) modules with the revised SINN Power technology in Greece. After four weeks of construction, the preparations for the installation of the first two modules on the port wall were completed today.**

The two WEC modules, which are funded by the German Federal Government, primarily serve to test the updated technology for its functionality. If everything goes as planned, the revised modules will already be producing electricity within a few weeks. With the successful construction of the supporting structure, the key prerequisites for the following steps are now given.



*The engineers with the completed supporting structure of the WEC modules at the port wall of Heraklion*

In the construction phase, which is divided into three parts, first the supporting structure will be attached to the port wall. Then the modules are set up. Finally, the modules are lifted with a crane over the wall and mounted

on the supporting structure. From this point on they can be put into operation.

In spring of 2018 the production of the individual components, which took place mostly in Germany, was completed. Since the WEC modules are designed to be transported as easy and quick as other goods to any location in the world in a single ISO container, they could then be easily transported to Greece by truck.



<https://youtu.be/0pOqXSizBHU>

*Loading the ISO container with the two WEC modules in Germany*

After the arrival of the truck with the components in early May, the SINN Power engineering team began welding the supporting structure as a connection between the port wall and the WEC module.



Preparation of the supporting structure (yellow) by the SINN Power team

In the past week it was attached to the break-water wall with a crane. This now forms the basis for the installation of the module. The lifting rods, generators and floating bodies will be assembled in the coming weeks. The installation and commissioning of the first two WEC modules is scheduled for early July.

By 2019, three more WEC test modules are to be built on the port wall of Heraklion in Crete. They will test the electrical connection of several generators in practice and thus serve the further development of the innovative wave energy technology.



Illustration of the planned WEC test modules at the project site in Heraklion, Crete

The project is permanently supervised by five to seven SINN Power engineers at the project location in Greece. They monitor the mechanical loads of the revised WEC modules and evaluate the data on the generated electricity.

After a two-year development period, the team expects the new module concepts to significantly increase performance, compared to the first generation of WEC modules built in 2015.

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