
Technology Qualification Certificate

Date: 13 June 2016

Office: London

This Certificate is issued to AW-Energy Ltd in recognition that the Qualification Activities developed for the WaveRoller device, as identified in the WaveRoller Technology Qualification Plan have been completed as far as possible prior to prototype deployment of the device, and can fulfil the technology qualification aspects of the Prototype Certificate.

Technology Description

WaveRoller is a nearshore wave energy to electricity conversion device, predominantly submerged, employing the principles of an oscillating wave surge converter and performing conversion via a seabed mounted hydraulic / electrical system.

Technology Application

The concept of the WaveRoller has been evaluated in accordance with DNV RP-A203, 2011 Qualification of New Technology and DNV-DSS-401, 2012 Qualification Management as reported in Lloyd's Register's (LR) Technical Report QS1.

LR is satisfied that the qualification activities, as described in AW-Energy TQ Plan Revision D which addresses the technology risks of the concept, have been executed. LR is satisfied that the results and conclusions of those activities have established that the related technology goals, as defined by AW Energy and defined in the below report, are achievable, and that the qualification activities have been carried out, and that the acceptance criteria have been met. These activities are considered appropriate to the development and deployment of a prototype which could lead to the issuance of a prototype certificate.

This certificate is limited to the concept as outlined in Lloyd's Register's (LR) Technology Report QS3 No. 50103500 R02 rev 01. This report details the complete scope and findings of the qualification activity review process on which this certificate is based.

This certificate is valid until 09 June 2019. LR is to be notified of any modification to the concept design or technology goals.



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