

ESTREYA LX3

# Power Performance Report

SWIRL SECS

**Report No.:** 4270 14 12442 258-A-0001, Rev. A

**Date:** 2017-08-03



## IMPORTANT NOTICE AND DISCLAIMER

1. This document is intended for the sole use of the Client as detailed on the front page of this document to whom the document is addressed and who has entered into a written agreement with the DNV GL entity issuing this document ("DNV GL"). To the extent permitted by law, neither DNV GL nor any group company (the "Group") assumes any responsibility whether in contract, tort including without limitation negligence, or otherwise howsoever, to third parties (being persons other than the Client), and no company in the Group other than DNV GL shall be liable for any loss or damage whatsoever suffered by virtue of any act, omission or default (whether arising by negligence or otherwise) by DNV GL, the Group or any of its or their servants, subcontractors or agents. This document must be read in its entirety and is subject to any assumptions and qualifications expressed therein as well as in any other relevant communications in connection with it. This document may contain detailed technical data which is intended for use only by persons possessing requisite expertise in its subject matter.
2. This document is protected by copyright and may only be reproduced and circulated in accordance with the Document Classification and associated conditions stipulated or referred to in this document and/or in DNV GL's written agreement with the Client. No part of this document may be disclosed in any public offering memorandum, prospectus or stock exchange listing, circular or announcement without the express and prior written consent of DNV GL. A Document Classification permitting the Client to redistribute this document shall not thereby imply that DNV GL has any liability to any recipient other than the Client.
3. This document has been produced from information relating to dates and periods referred to in this document. This document does not imply that any information is not subject to change. Except and to the extent that checking or verification of information or data is expressly agreed within the written scope of its services, DNV GL shall not be responsible in any way in connection with erroneous information or data provided to it by the Client or any third party, or for the effects of any such erroneous information or data whether or not contained or referred to in this document.
4. Any wind or energy forecasts estimates or predictions are subject to factors not all of which are within the scope of the probability and uncertainties contained or referred to in this document and nothing in this document guarantees any particular wind speed or energy output.

## KEY TO DOCUMENT CLASSIFICATION

Strictly Confidential	:	For disclosure only to named individuals within the Client's organisation.
Private and Confidential	:	For disclosure only to individuals directly concerned with the subject matter of the document within the Client's organisation.
Commercial in Confidence	:	Not to be disclosed outside the Client's organisation.
DNV GL only	:	Not to be disclosed to non-DNV GL staff
Client's Discretion	:	Distribution for information only at the discretion of the Client (subject to the above Important Notice and Disclaimer and the terms of DNV GL's written agreement with the Client).
Published	:	Available for information only to the general public (subject to the above Important Notice and Disclaimer).

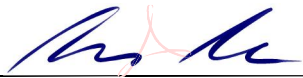
Project name: Estreya Lx3  
Report title: Power Performance Report  
Customer: SWIRL SECS  
3, Rue Thomas Edison  
L - 1445 Strassen  
Luxembourg  
Contact person: Joseph Hess  
Date of issue: 2017-08-03  
Project No.: 4270 14 12442 258  
Report No.: 4270 14 12442 258-A-0001, Rev. A

DNV GL - Energy  
Renewables Advisory  
Loads & Power Performance  
Sommerdeich 14 b  
25709 Kaiser-Wilhelm-Koog  
Germany  
Tel: +49 4856 901-0  
VAT-No. DE 118 606 038

Task and objective:

Power Performance Measurement on a SWIRL SECS Estreya Lx3 wind turbine in Kaiser-Wilhelm-Koog, Germany, according to IEC 61400-12-1

Prepared by:



Andreas Mark  
Project Engineer  
Loads & Power Performance

Verified and approved by:



Volker Köhne  
Senior Principal Engineer  
Loads & Power Performance

- Strictly Confidential  
 Private and Confidential  
 Commercial in Confidence  
 DNV GL only  
 Client's Discretion  
 Published

Keywords:

Reference to part of this report which may lead to misinterpretation is not permissible.

Rev. No.	Date	Reason for Issue	Prepared by	Verified by	Approved by
A	2017-08-03	First issue	A. Mark	V. Köhne	V. Köhne