

## **ANNEXE M**

# **AVIS PRÉALABLE DU CONSTRUCTEUR**





**REpower SAS**

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**Mr Francois DESMARE**

De la société **EDF Luminus**  
rue Joffre 12  
4000 Liège  
Belgium

La Défense, le 13 Novembre 2013

Monsieur,

Suite à l'analyse du projet éolien de 8 turbines situées le long de l'autoroute E42 à Héron d'EDF Luminus, nous confirmons qu'il est possible de faire passer le charroi en utilisant des platelages métalliques en raison de la configuration du site et de l'absence de talus en bordure directe de voirie, si des travaux de renforcements ne pouvaient être envisagés.

La quantité de platelages sera déterminée en fonction de la solidité des voiries existante avec revêtement en béton ou en hydrocarboné que vous aurez testé par rapport à nos spécifications sur nos besoins logistiques.

Cordialement,

**Ghislain BEHAGHEL**  
Directeur du Support Technique





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## Design Life Statement Héron Wind Farm

The REpower 3.2M114 3 200 KW 50 Hz wind turbine is in general designed for a lifetime of 20 years in accordance with the requirements of the IEC 61400-1 standard.

REpower has received data regarding climatic conditions and layout;

**Table 1.1 WEC locations:**

WEC	WGS84 Zone 31		Belgium Lambert 72	
	X [m]	Y [m]	X [m]	Y [m]
1	648 369	5 599 774	201 383	135 842
2	648 811	5 599 873	201 826	135 933
3	649 241	5 600 045	202 260	136 097
4	649 627	5 600 299	202 650	136 344
5	648 234	5 600 057	201 253	136 128
6	648 741	5 600 358	201 765	136 419
7	649 252	5 600 669	202 282	136 721
8	649 679	5 600 924	202 714	136 968

for the Héron Wind Farm project from EDF Luminus. REpower does not assume any liability for the completeness and correctness of the information and documents provided by EDF Luminus.

After reviewing the climatic conditions information and the site layout provided by EDF Luminus for Héron Wind Farm, REpower confirms that on the basis of the information provided by EDF Luminus the climatic conditions listed in table 1.2 and corresponding site layout listed on Table 1.1, are within the design criteria of the 3.2M114 3 200 KW 50 Hz at a hub height of 93 metres.

Executive Board: Andreas Nauen (Chairman), Marcus A. Wassenberg, Russell Stoddart, Lars Rytter  
Chairman of the Supervisory Board: Tulsı R. Tanti  
Place of Jurisdiction: Hamburg, HRB No.: 118644

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**Table 1.2 Summary of wind conditions:**

Parameter	Site
Wind Shear	0.25
Max mean wind speed	6.3 m/s
k factor	2.28
50 year wind (10 min)	35.0 m/s
Characteristic Turbulence Intensity @ 15m/s	14.8 %
Vertical flow inclination	2°
Mean Air Density	1.213 kg/m <sup>3</sup>

A precondition of the assumed 20-year's lifetime is that WECs are serviced regularly in accordance with good industry practice and relevant parts are changed or reconditioned.

The Design Life Statement does not represent an extension of our liability, in the sense of functions or guarantees, as WEC vendor.

It is not possible for REpower to provide a guarantee regarding the accuracy, reliability, or completeness of the information provided by the Employer or a 3rd Party. Assessments and evaluations reflect the opinion of REpower Systems SE and the relevant standards at the time when this document was prepared.

These may have become outdated or been changed in another manner due to current developments without the provided assessments, evaluations, prepared documents, and information having been and/or being changed.

REpower Systems SE is only responsible for other products and services in accordance with the explicit provisions detailed in any separate written agreement for those products and services.

Yours Sincerely,  
**REpower Systems SE**



i.A. Tomas Blodau  
Head of Department Wind & Site Engineering