

# Certificate

for

## WPT Nord GmbH

Havelstraße 39

D-24539 Neumünster

Bureau Veritas Industry Services GmbH confirms that the

### “Process instruction for a repair design of head flange AN - Bonus / Siemens 1.3, 2.0 und 2.3

of the above mentioned organization was reviewed and verified. The results were found to be in compliance with the requirements of the applied standards and regulations.

#### Scope of application

##### 1 - Procedure “Sanierung Kopfflansch AN-Bonus/Siemens 1.0 MW, 2.0 MW und 2.3 MW”

Procedure , for testing and repair of the tower head flange weld connection 1.0 Description of failure/ flaw (Fehlerbeschreibung)

- 1.1 Occupational Safety / Qualification (Arbeitssicherheit / Qualifikation)
- 2.0 Incoming inspection (Eingangsprüfung)
- 2.1 Testing from the outside (Prüfung von außen)
- 3.0 Modification/enhancement of the weld (Modifikation der Schweißnaht)
- 3.1 Periodical inspection (Wiederkehrende Prüfung)
- 4.0 Set-up of the weld (Aufbau der Schweißnaht)
- 5.0 Welding (Schweißarbeiten)
- 5.1 Preservation – corrosion protection (Konservierung)
- 5.2 Cleaning of work space of the turbine (Reinigung der Anlage)
- 6.0 Test instructions (Prüfanweisungen)
- 7.0 Optimization of the weld (Optimierung der Schweißnaht)
- 8.0 Applied standards and regulations (Angewandte Normen und Regelwerke)

##### 2 – Verification report (Verifizierungsbericht)

Report no.: 6476297-VB-01-0 (Bureau Veritas Industry Services GmbH, from 03.04.2018)

Data of inspection on site: 22.01.2018 und 13.02.2018

Date of certification: 04.04.2018 Validity of the certificate: until 04.04.2023

Bureau Veritas Industry Services will provide information of the validity of this certificate on request at any time. The certificate is only related to the verification report 6476297-VB-01-0.



Lars Groth  
(Head of Certification Wind Services)



Frank Würzner  
(Technical Manager INP Germany)

Date: 04.04.2018