

# TYPE CERTIFICATE

Certificate No.:  
TC-DNVGL-SE-0439-03760-0

Issued:  
2018-05-24

Valid until:  
2020-05-23

Issued for:

## Condition Monitoring System: TURBINE CONDITON MONITORING (TCM)

Specified in Annex 1

Issued to:

### Gram & Juhl A/S

Soendergaard Allé 14  
6500 Vojens, Denmark

According to:

### DNVGL-SE-0439:2016-06 Certification of condition monitoring

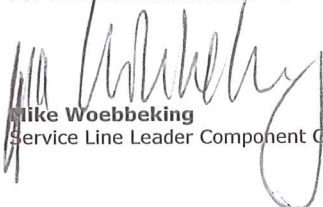
Based on the documents:

CR-CMS-DNVGL-SE-0439-03760-0      Certification Report, dated 2018-05-24

Changes of the system design, the production and erection or the manufacturer's quality system are to be approved by DNV GL.

Hamburg, 2018-05-24

For DNV GL Renewables Certification

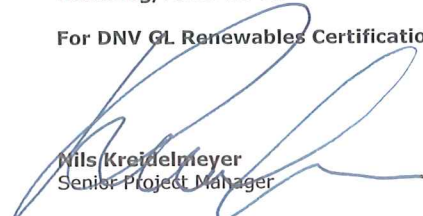
  
**Mike Woebeking**  
Service Line Leader Component Certification



By DAKkS according DIN EN IEC/ISO 17065  
accredited Certification Body for products. The  
accreditation is valid for the fields of certification  
listed in the certificate.

Hamburg, 2018-05-24

For DNV GL Renewables Certification

  
**Nils Kreidelmeier**  
Senior Project Manager

# TYPE CERTIFICATE - ANNEX 1

Certificate No.: TC-DNVGL-SE-0439-03760-0

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**General**

System name

TCM

**Hardware**

Name

M-system

Number of analogue channels (vibration)

11 / 23

Number of digital channels

3

Vibration sensor type (general)

DAM-Z08

Vibration sensor type (low frequency)

DAM-XY01

**Software**

Name

TCM®Enterprise Observer

Version

8.6.2