



STATEMENT OF QUALIFIED TECHNOLOGY

Statement No.:
SOQT-DNV-SE-0160-07114-1

Issued:
2026-05-28

Valid until:
2029-01-24

Issued for:

Bolt iQ™ System

Specified in Annex 1

Issued to:

Predictant LLC

6521 Meridien Dr
27616, Raleigh, NC, USA

According to:

DNV-SE-0160:2021-09 Technology qualification management and verification

Based on the document:

QR-C-DNV-SE-0160-07114-5

Qualification Report, dated 2026-05-28

The Technology was subjected to all steps of the Technology Qualification Process as described in DNV-SE-0160, and it was found to achieve the targets identified in its qualification basis notwithstanding with the conditions and limitations defined in the qualification report.

Changes of the technology are to be approved by DNV.

Hellerup, 2026-05-28

For DNV Renewables Certification

A handwritten signature in blue ink, appearing to read "Bente Vestergaard".

Bente Vestergaard
Service Line Leader

Hellerup, 2026-05-28

For DNV Renewables Certification

A handwritten signature in blue ink, appearing to read "Josue Guifarro".

Josue Guifarro
Project Manager

STATEMENT OF QUALIFIED TECHNOLOGY- ANNEX 1

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General

Description

Instructions and equipment to measure preload during installation and inspection of bolted joints

Measuring equipment

Type

Bi-wave ultrasonic transducer with magnetic clamp assembly
Solid couplant
Gel couplant
Pulser-Echo module
Tablet PC
Software

Description

Relational time-of-flight measurement with ultrasonic waves

Manufacturer

Predictant LLC

Operating environmental conditions

Temperature ranges

0 °C to 40 °C

Bolt size and grade in scope

M20-M90, ISO 898 Grade 10.9

Bolt configuration

Standard bolt/washer/nut, galvanized
Stud with nut/washer pair, galvanized

Bolt bending

-2 to 2 deg

Bolt standards covered

ISO 4014: 2022-08

EN 14399-4: 2015-02

DAST – Richtlinie 021: 2013-09

Clamping length

As specified in: EN 14399-4: 2015-02, DAST – Richtlinie 021: 2013-09

Performance metrics

Device accuracy

±5% of yield stress with 94.18% confidence interval (CI), for solid couplant

±5% of yield stress with 90% CI, for gel couplant

Interfaces

Interface to other components or systems and design loads

See QR-C-DNV-SE-0160-07114-5