

Certificate



The certification body of TÜV NORD CERT GmbH hereby awards this certificate to the company

Greenergy Data Centers OÜ
Alajaama tee 1
76911 Hүүru, Harjumaa, Estonia

to confirm that its security area

Tallinn DC-1

fulfils all requirements of

EN 50600
Availability Class 3, Protection Classes 1-3,
Granularity Level 2

using Criteria Catalog TSI.EN50600 V2.1 of TÜV NORD CERT GmbH. The requirements are summarized in the appendix to the certificate.

The appendix is part of the certificate and consists of 4 pages.

Certificate ID: 661146.24

valid from 2024-10-10 until 2026-11-03

To Certificate



Essen, 2024-10-10

Certification Body of TÜV NORD CERT GmbH

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
tuev-nord-cert.com

TÜV®

Certification scheme

The certification body of TÜV NORD CERT GmbH performs its certifications based on the following certification scheme:

- German document: „Zertifizierungssystem für IT-Zertifikate (nicht akkreditierter Bereich) der Zertifizierungsstelle der TÜV NORD CERT GmbH“, D503-CP-001, Rev. 00/09.24, TÜV NORD CERT GmbH

Evaluation report

- German document: “Evaluierungsbericht – TSI.EN50600, Tallinn DC-1“, Version 1.0 as of 2024-10-01, TÜV NORD CERT GmbH

Evaluation requirements

The evaluation requirements are defined in the following standards:

- EN 50600-1; Information technology – Data centre facilities and infrastructures – Part 1: General concepts; German version EN 50600-1:2019-08
- EN 50600-2-1; Information technology – Data centre facilities and infrastructures – Part 2-1: Building construction; German version EN 50600-2-1:2021-09
- EN 50600-2-2; Information technology – Data centre facilities and infrastructures – Part 2-2: Power supply and distribution; German version EN 50600-2-2:2019-08
- EN 50600-2-3; Information technology – Data centre facilities and infrastructures – Part 2-3: Environmental control; German version EN 50600-2-3:2019-08
- EN 50600-2-4; Information technology – Data centre facilities and infrastructures – Part 2-4: Telecommunications cabling infrastructure; German version EN 50600-2-4:2015-07
- EN 50600-2-5; Information technology – Data centre facilities and infrastructures – Part 2-5: Security systems; German version EN 50600-2-5:2021-09
- EN 50600-3-1; Information technology – Data centre facilities and infrastructures – Part 3-1: Management and operational information; German version EN 50600-3-1:2016-08

and were checked applying the evaluation requirements:

- „TSI.EN50600 Criteria Catalog”, TSI.EN50600 V2.1 as of 2024-07-01, TÜV NORD CERT GmbH

The evaluation requirements are summarized at the end. Not applicable requirements are printed in grey.

Evaluation target

Evaluation target is the security area “Tallinn DC-1” of Greenergy Data Centers OÜ. It is detailed in the evaluation report.

Evaluation result

The evaluation target fulfils all applicable requirements of the above-mentioned standards with regard to

- Availability Class 3
- Protection Classes 1-3
- Granularity Level 2

Summary of the Evaluation Requirements

The EN 50600 defines requirements for a data center in the following areas:

- Building construction
- Power distribution
- Environmental control
- Telecommunications cabling infrastructure
- Security systems
- Management and operation

To classify a data center, four availability classes, four protection classes and three levels of granularity for energy monitoring are defined.

Availability Classes

In EN 50600-2-2/-2-3/-2-4 four different grades of availability classes are defined for the entirety of all facilities and infrastructures of the data center. The availability classes have the following characteristics, among others:

- AC1: Single path layout
- AC2: Single path layout with redundancies
- AC3: Multi-path design, solution for repair during operation
- AC4: Multi-path design, fault tolerant except during maintenance

Protection Classes

Four different protection classes are defined. A protection class is assigned to all areas and supply paths of the data center. They describe physical protection against the following events:

- unauthorized access
- intrusion
- internal environmental events
- external environmental events

With regard to unauthorized access/ intrusion, at least three protection classes must be implemented.

Granularity levels for the measurement of energy consumption

Three levels of granularity are defined for the measurement:

- Level 1: a measuring concept that provides simple, general information for the entire data center
- Level 2: a measuring concept that provides detailed information for specific facilities and infrastructures within the data center
- Level 3: a measuring concept that provides granular data for the systems within the areas and supply paths of the data center