

# Certificate



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

**Stadt Zürich  
Organisation und Informatik  
Albisriederstrasse 201  
8047 Zürich, Switzerland**

to confirm that its security area

**OIZ Data Center Hagenholz**

fulfils all requirements of the Criteria Catalog

**TSE.STANDARD V2.1  
Energy Efficiency - Maturity Degree 4**

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 5 pages.

Certificate ID 6950.26

valid from 2026-02-25 until 2027-02-28

To Certificate



Essen, 2026-02-25

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: “Zertifizierungsprogramm 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 – Trusted Site Energy Efficiency (TSE.STANDARD), OIZ Rechenzentrum Hagenholz”, version 1.0 as of 2026-02-20, TÜV NORD CERT GmbH

## Evaluation requirements

- “TSE.STANDARD Criteria Catalog“, TSE.STANDARD 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 „OIZ Data Center Hagenholz“ of Stadt Zürich. It is detailed in the evaluation report.

## Evaluation result

The evaluation result is “Energy Efficiency Maturity Degree 4”.

## Summary of the Evaluation Requirements

Evaluation requirements for Trusted Site Energy Efficiency (TSE), TSE.STANDARD V2.1:

### **Maturity Degree 1 – Energy Efficiency READY**

The following requirements have to be fulfilled for the Maturity Degree 1:

Energy Management System (MGM)

- MGM01.1 Energy Management Handbook
- MGM02.1 Energy Assessment – Energy Sources
- MGM03.1 Energy Assessment – Areas with High Energy Use
- MGM04.1 Energy Assessment – Variables with Significant Influence
- MGM05.1 Energy Assessment – Potential for Improvement
- MGM06.1 Energy Assessment – Energy Baseline
- MGM07.1 Establishing Energy Goals
- MGM08.1 Action Plans – Developing Templates
- MGM09.1 Designation of Responsibilities
- MGM10.1 Internal TSE Audits – Developing a Template
- MGM11.1 Management Review – Developing a Template

Information and Communications Technology (ICT)

- ICT01.1 Inventory – Developing a Configuration Management Database (CMDB)
- ICT02.1 Procurement – Developing a Template
- ICT03.1 Monitoring – Concept

Infrastructure (INF)

- INF01.1 Documentation for Energy-Efficient Operation
- INF02.1 Inventory – Method

- INF03.1 Energy Efficiency Monitoring – Concept
- INF04.1 Energy Performance Indicators – Definition
- INF05.1 Best Practices – Selection

### **Maturity Degree 2 – Energy Efficiency IMPLEMENTED**

The following requirements have to be fulfilled for the Maturity Degree 2:

#### Energy Management System (MGM)

- MGM06.2 Energy Assessment – Energy Baseline Validation
- MGM07.2 Energy Goals – Resource Planning
- MGM08.2 Action Plans – Measures Are Planned
- MGM09.2 Responsibilities – Interfaces of ICT and Facility Management
- MGM10.2 Internal TSE Audits – First Execution
- MGM11.2 Management Review - Initial Execution and Assessment
- MGM12.2 TSE Maturity Degree – TSE Maturity Degree 1 Attained

#### Information and Communications Technology (ICT)

- ICT01.2 Inventory – Complete the CMDB
- ICT02.2 Procurement – Guidelines
- ICT03.2 Energy Efficiency Monitoring for ICT – Measurements

#### Infrastructure (INF)

- INF01.2 Regular Updates of the Documentation for Energy-Efficient Operation
- INF02.2 Inventory of Essential Systems
- INF03.2 Energy Efficiency Monitoring for the Infrastructure – Measurement and Recording
- INF05.2 Best Practices – Implementation Degree for Maturity Degree 2

### **Maturity Degree 3 – Energy Efficiency IMPROVED**

The following requirements have to be fulfilled for the Maturity Degree 3:

Energy Management System (MGM)

- MGM06.3 Energy Assessment – Showing the Increase in Efficiency From the Baseline
- MGM07.3 Energy Goals – Review
- MGM08.3 Action Plans – Measures Are Implemented
- MGM09.3 Responsibilities – The Process for Coordinating ICT With Facility Management
- MGM 10.3 Internal TSE Audits – Regular Execution
- MGM11.3 Management Review – Regular Execution
- MGM12.3 TSE Maturity Degree – TSE Maturity Degree 2 Attained

Information and Communications Technology (ICT)

- ICT01.3 Inventory – Consolidation of the ICT Components
- ICT02.3 Procurement – Energy-Efficient Product Design
- ICT03.3 Energy Efficiency Monitoring for ICT – Baseline Progress Report

Infrastructure (INF)

- INF01.3 Regular Updates of the Documentation for Energy-Efficient Operation
- INF02.3 Inventory – Energy Efficiency Data
- INF03.3 Energy Efficiency Monitoring of the Infrastructure – Baseline Progress Report
- INF05.3 Best Practices – Implementation Degree for Maturity Degree 3

## **Maturity Degree 4 –Energy Efficiency EXCELLENCE**

The following requirements have to be fulfilled for Maturity Degree 4:

Energy Management System (MGM)

- MGM06.4 Energy Assessment – Integrated Analysis of the Energy Performance Indicators
- MGM07.4 Energy Goals – Review
- MGM08.4 Action Plans – Integrated Measures
- MGM09.4 Responsibilities – Integrated Planning of ICT and Facility Management
- MGM10.4 Internal TSE Audits – Regular Execution
- MGM11.4 Management Review – Regular Execution
- MGM12.4 TSE Maturity Degree – TSE Maturity Degree 3 Attained
- MGM13.4 EnMS Reports for Stakeholders

Information and Communications Technology (ICT)

- ICT01.4 Inventory – Consolidation of Services
- ICT02.4 Procurement – Considering IT Performance
- ICT03.4 Energy Efficiency Monitoring for ICT – For Groups and Components
- ICT05.4 Life Cycle Costs of ICT

Infrastructure (INF)

- INF01.4 Regular Updates of the Documentation for Energy-Efficient Operation
- INF02.4 Inventory – Data Center Infrastructure Management
- INF03.4 Energy Efficiency Monitoring for the Infrastructure – Allocation
- INF05.4 Regular Review of Best Practices
- INF06.4 Life Cycle Costs of Infrastructure