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DATA CENTRE - PHMO-TOWER

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PROJECT STUDY: EVALUATION OF THE STATE OF DATA SALES IN THE PHMO FIELD

PART: PHMO-TOWER DATA CENTRE

PROCESSED by: Category a.s.
[Redacted]
Certified Data Centre Design Professional (CDCDP®)
[Redacted]
Accredited Tier Designer



DESCRIPTION OF THE NORM AND RECOMMENDATIONS:

- The Uptime Institute - Tier Classification
- ANSI - ANSI/TIA/EIA-942A
- ASHREA - Principles and methods of cooling

Uptime
Institute'

Anse
the American National Standards Institute



ANSI/TIA-942 AUDIT AND CERTIFICATION: RATING: T4, E3, A3, M3

TELECOMMUNICATIONS = RATING 4 (T)
ARCHITECTURAL INFRASTRUCTURE =
RATING 3 (A₃)
ELECTRICAL = RATING 3 (E₃)
MECHANICAL INFRASTRUCTURE = RATING 3 (M₃)

RATING 3 Data Center: Concurrently Maintainable

Rating 3 level capability allows for any planned site infrastructure activity without disrupting the Computer hardware operation in any way. Planned activities include preventive and programmable maintenance, repair and replacement of components, addition or removal of capacity components, testing of components and Systems, and more. For large sites using chilled water, this means two independent sets of pipes. Sufficient capacity and distribution must be available to carry the load on one path while performing maintenance or testing on the other path. Unplanned activities such as errors in operation or spontaneous failures of facility infrastructure components may still cause a data center disruption. Rating 3 sites are often designed to be upgraded to Tier IV when the client's business time justifies the cost of additional protection.

At BRNO DAY: 30.09.2022

