

Holistic Energy Management and Thermal Waste Integrated System for Energy Optimization

Horizon Europe Grant Agreement No: 101138491
SERI Contract No: 23.00606

FUNDED BY



CONTACT US

info@heatwise.eu

FOLLOW US



Scan
for more
information



SAT: Self-Assessment Tool for Data Centre Energy Efficiency

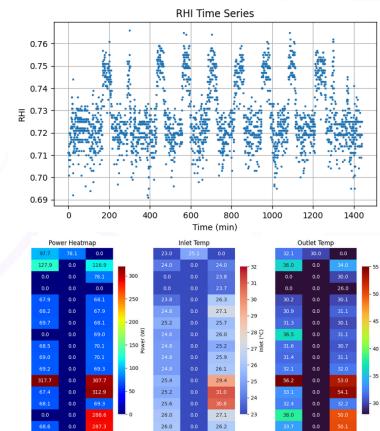


Measure, Report, Improve
Smart Assessment for Greener Data Centres

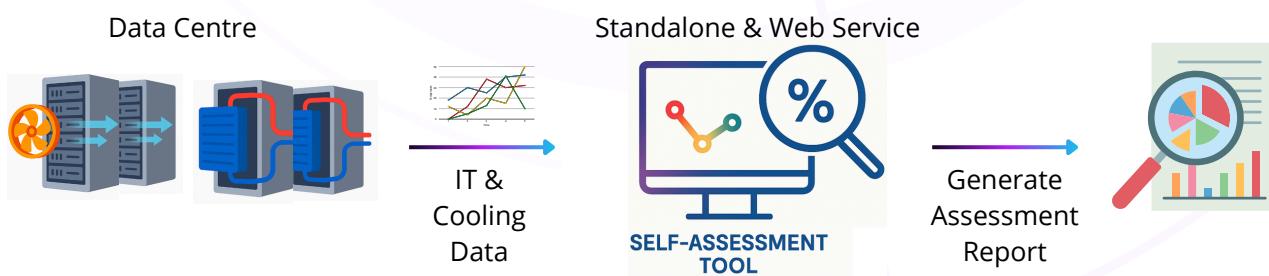
The Self-Assessment Tool (SAT) is a framework developed within the [HEATWISE](#) project. It enables data centres to evaluate their energy performance based on standard KPIs and generate assessment reports.

Key Features

- ⌚ Real-time and historical data integration
- 📈 Automatic KPI calculation
- 📊 Visual dashboards with time-series plots and rack-level heat maps
- 📏 EED and ASHRAE assessment
- 🖨 PDF report generation
- 🌐 Scalable to multi-site and multi-user use
- 🔗 Integration with data monitoring systems



How SAT Works



- Evaluate efficiency of the data centre according to the KPIs.
- Generate a comprehensive report within the selected reporting period.

Technical Advantages

- 📊 **KPI-Based Intelligence:** Calculates standardized energy and thermal performance KPIs from IT, cooling and infrastructure data.
- ✳️ **Modular KPI Plug-in System:** Features a flexible plug-in architecture that allows easy integration of new KPI formulas and evaluation criteria as needed.
- 🌐 **Seamless Integration:** Compatible with DCIM tools, supports smooth deployment across a wide range of monitoring systems.
- 📊 **Automated Reporting:** Generates PDF reports that include average KPI values, time-series plots, rack-level heat distribution and compliance-ready summaries.
- 💻 **Dual Platform Availability:** Available both as a standalone application and a web-based service, offering flexibility for different operational environments.
- 🔍 **Real-Time and Retrospective Analysis:** Supports both live data acquisition and historical dataset import, enabling performance tracking over time and detailed audits.



Why SAT?

- 🌐 Supports compliance with the EU Energy Efficiency Directive
- ✳️ Simplifies complex data collection and reporting workflows
- 📊 Enables transparency, benchmarking and operational insights
- 🏆 Encourages proactive monitoring and sustainability practice

Collaborate with Us

Start using SAT to assess, report and optimize your data centre's energy performance. Join us to help shape the future of energy-aware digital infrastructure.

✉️ Contact: datacenter@dstechs.net 🌐 Project Info: <https://heatwise.eu/>



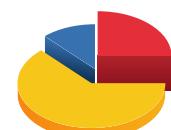
PERFORMANCE



RISKS & IMPACT



COMPLIANCE



REPORTING & ANALYSIS

Partners



TOFAŞ
TÜRK OTOMOBİL FABRIKASI A.Ş.

