

## ECOaaS



### Environmental Continuous Optimization:

A unique and disruptive tool that collects and analyses environmental data with unprecedented precision 24/7. ECOaaS increases operators' capacities and supports their insights with alarms, operational recommendations, accurate real time information and customised, machine learning and AI-generated reports. **ECOaaS can be integrated with other data sources** (e.g., BMS, power and HVAC equipment, DCIM).

- o Aligned with EN 50600 best practices.
- o Aligned with 2021 best practices guidelines for the EU Code of Conduct on Data Centre Energy Efficiency
- o Coming soon: support for ISO 14000

### Audit as a Service:

Offers full access to the TycheTools environmental data platform for fixed time periods. Like ECOaaS, ADaaS includes alarms, operational recommendations, accurate real time information and customised, machine learning and AI-generated reports.

- o **Technical Room Characterization:** Data is compared to industry standards and operational data from ASHRAE.
- o **Technical Room Audit:** Data is compared to industry standards, operational data and user defined service levels as agreed in SLAs.

Two different options currently offered:

**ADaaS (s); single operation**, 48h setup, hardware rental and time limited license (30 days).

**ADaaS (r); recurring 30 days operation**, hardware purchased by the customer, time limited license for 1-4, thirty-day periods. Can be converted to ECOaaS at any time.

## ADaaS



## AQaaS



### Air Quality as a Service:

Continuous measurement of air quality data, including CO2, temperature and humidity. Features include alarms, operational recommendations, accurate real time information and customisable reports. Can be integrated with other data sources (e.g., BMS, power and HVAC equipment, DCIM).

- o **TVOC levels** as proposed by the German Federal Environmental Agency [1].
- o Our sensors meet **US Environmental Protection Agency (EPA) requirements** for determining Acute Exposure Guideline Levels (AEGs) for airborne chemicals.
- o Our sensors meet **World Health Organization** requirements for monitoring exposure to chemicals commonly present in indoor air [2].

[1] Umweltbundesamt, Beurteilung von Innenraumluftkontaminationen mittels Referenz- und Richtwerten, (Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz, 2007)

[2] World Health Organization, Air Quality Guidelines for Europe, European Series, No. 91, 2nd Edition, (Copenhagen: WHO Regional Publications, 2000).

### Certification as a Service:

Using our calibrated master sensors, we issue certifications of third-party sensors to provide a standardized measure baseline. CEaaS supports compliance with ISO 9000:2015 requirements.

## CEaaS

