

HEATWISE

HOLESTIC ENERGY MANAGMENT AND THERMAL WASTE INTEGRATED
SYSTEM FOR ENERGY OPTIMIZATION

Budget & Duration
€4,5M (2024 - 2026)



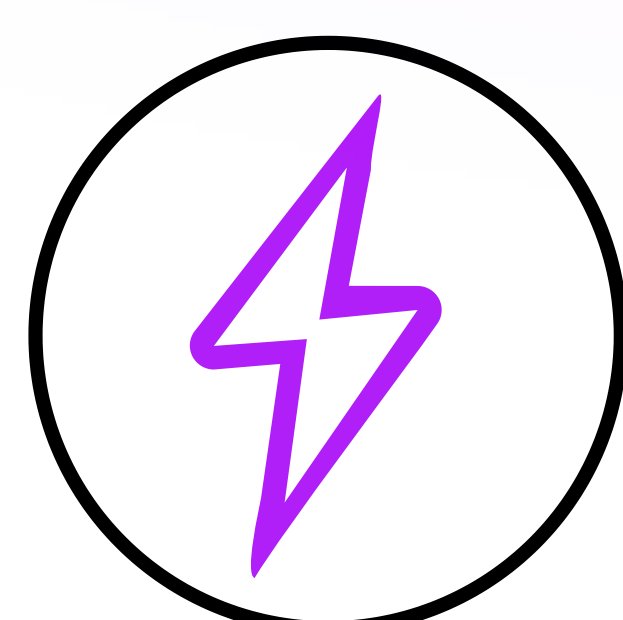
More information



Project Objectives

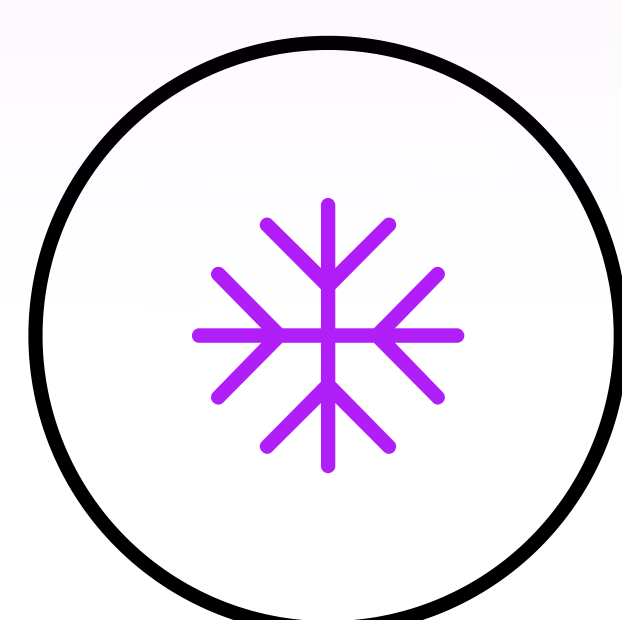
- Novel automatically operated integrated building and DC ecosystem
- Waste heat recovery of 100%
- Power Usage Effectiveness (PUE) below 1.05
- Energy Reuse Factor (ERF) improved by a minimum of 10%
- Primary Energy Saving (PES) of 20% for each server

Project Solutions



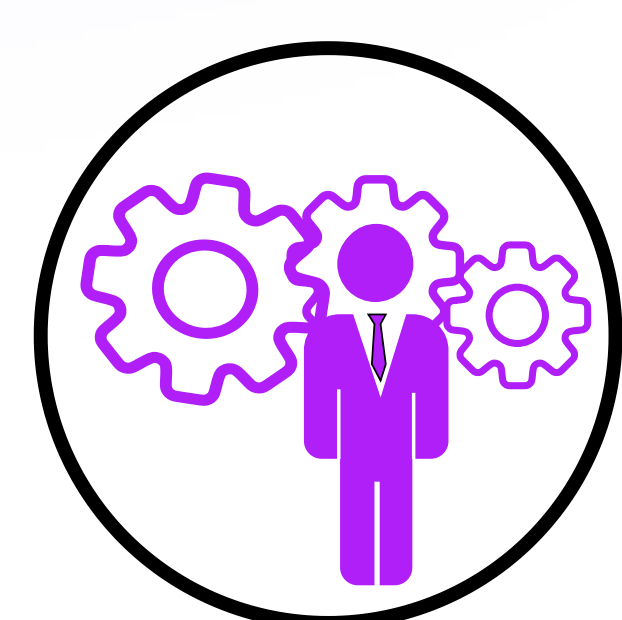
Energy Optimization

- Multi-objective building thermal energy management system
- Self-assessment and optimization tool with open-source CFD tools for the thermal simulations of pilot sites.



Smart Cooling Solutions

- Smart Cooling Solutions Hybrid air immersion and on-chip dielectric liquid cooling system



Integrated Energy Management

- Holistic data centre management system



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