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HERITAGE INNOVATION



HI-EURECA-PRO Hackathon on Industrial heritage GliwiTech - Group 1



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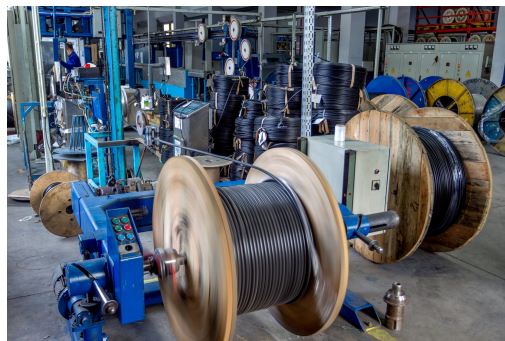


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From Industrial Heritage to Europe's Digital Future



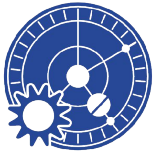
Redevelopment of the Former Cable Factory in Gliwice



Supporting innovation and sustainability,
European technological competitiveness.



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The Transformation: From Industrial Legacy to Sustainable Future



The "Before": A Site in Decline

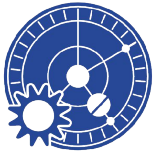
- Disused Wire Factory
- Fragmented & Isolated
- Wasted Potential



The "After": The Heritage Hub

- Sustainable Innovation
- Expert LCA Design
- Active Energy Generation
- Natural Passive Cooling





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Rooftop Garden: Integrated solar panels, Ventilation and Insulation



Green Roof System Detail



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Floor-by-Floor Transformation



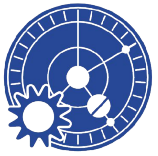
Ground Floor: Heritage, Reception & Infrastructure.

2nd & 3rd Floors: Startup & Innovation Hub.

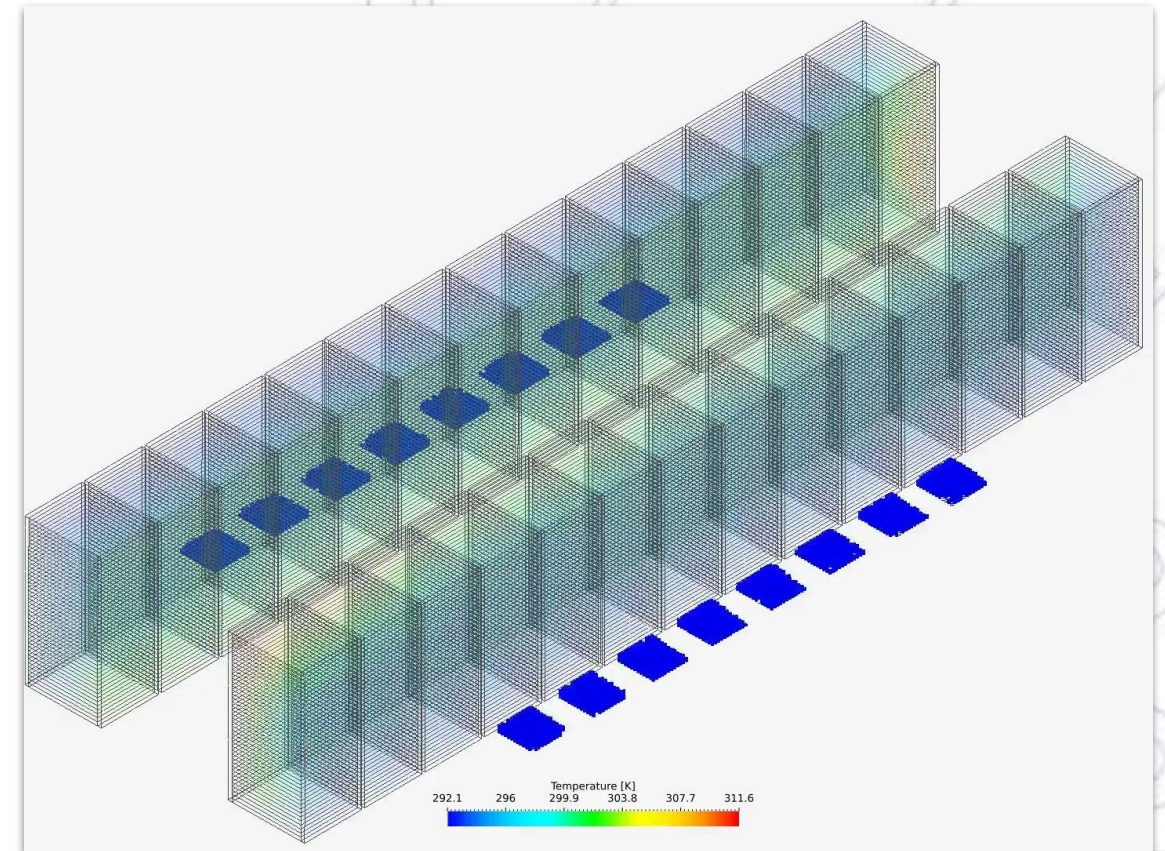
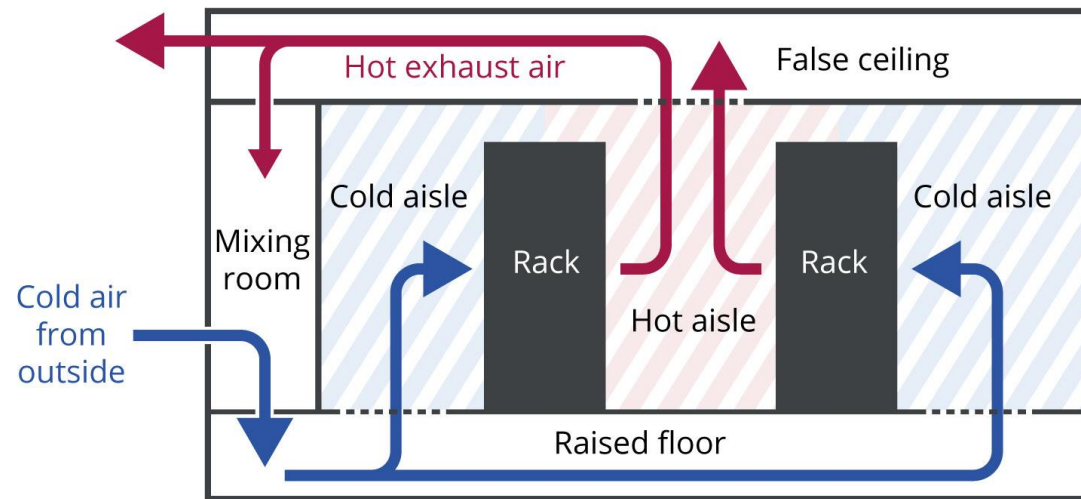
4th Floor: Creative Lounge & Event Space.

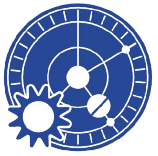


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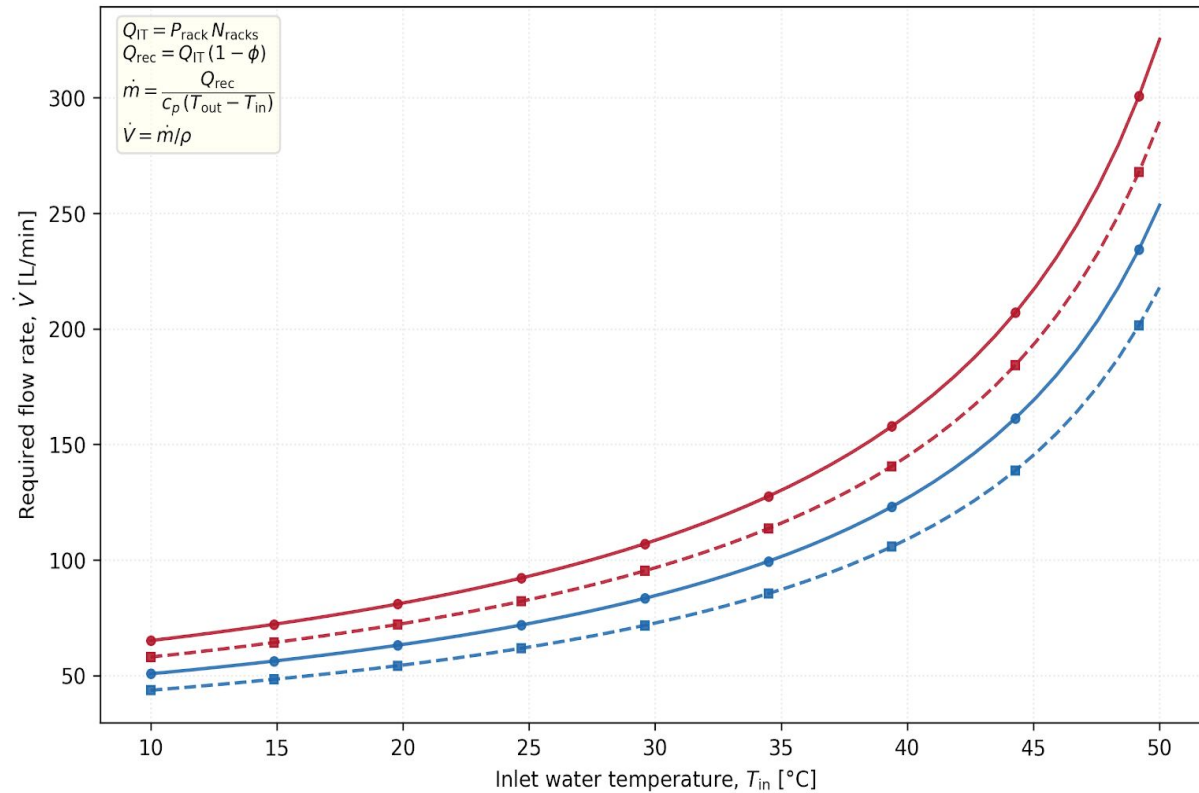
Data Center Preliminar Design



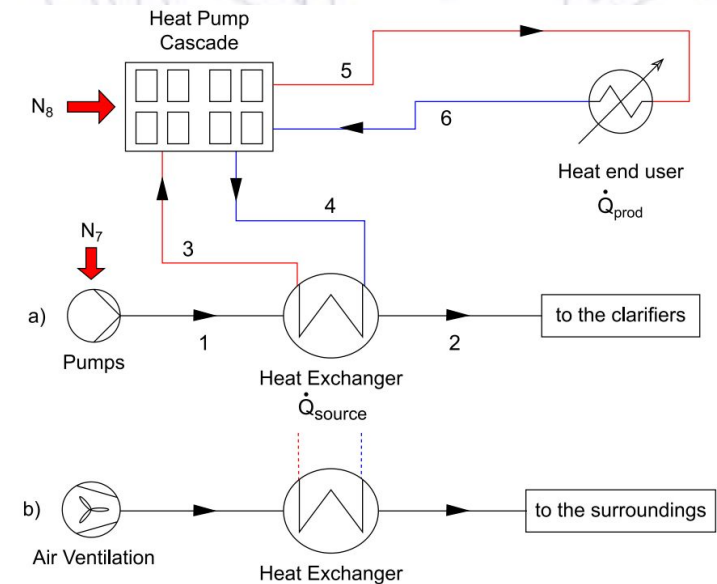
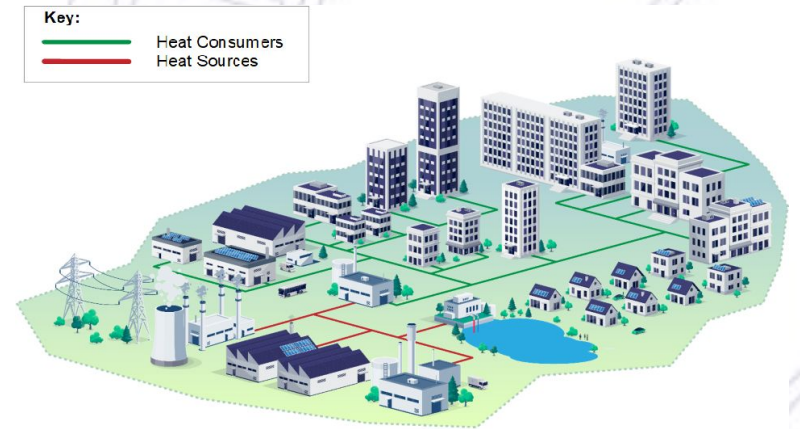


Data Center Preliminar Design

Water flow vs inlet water temperature

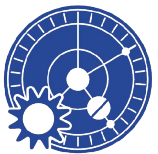


REDUCTION IN COAL CONSUMPTION



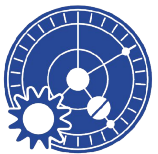
Source: Barzantny et al. (2025)



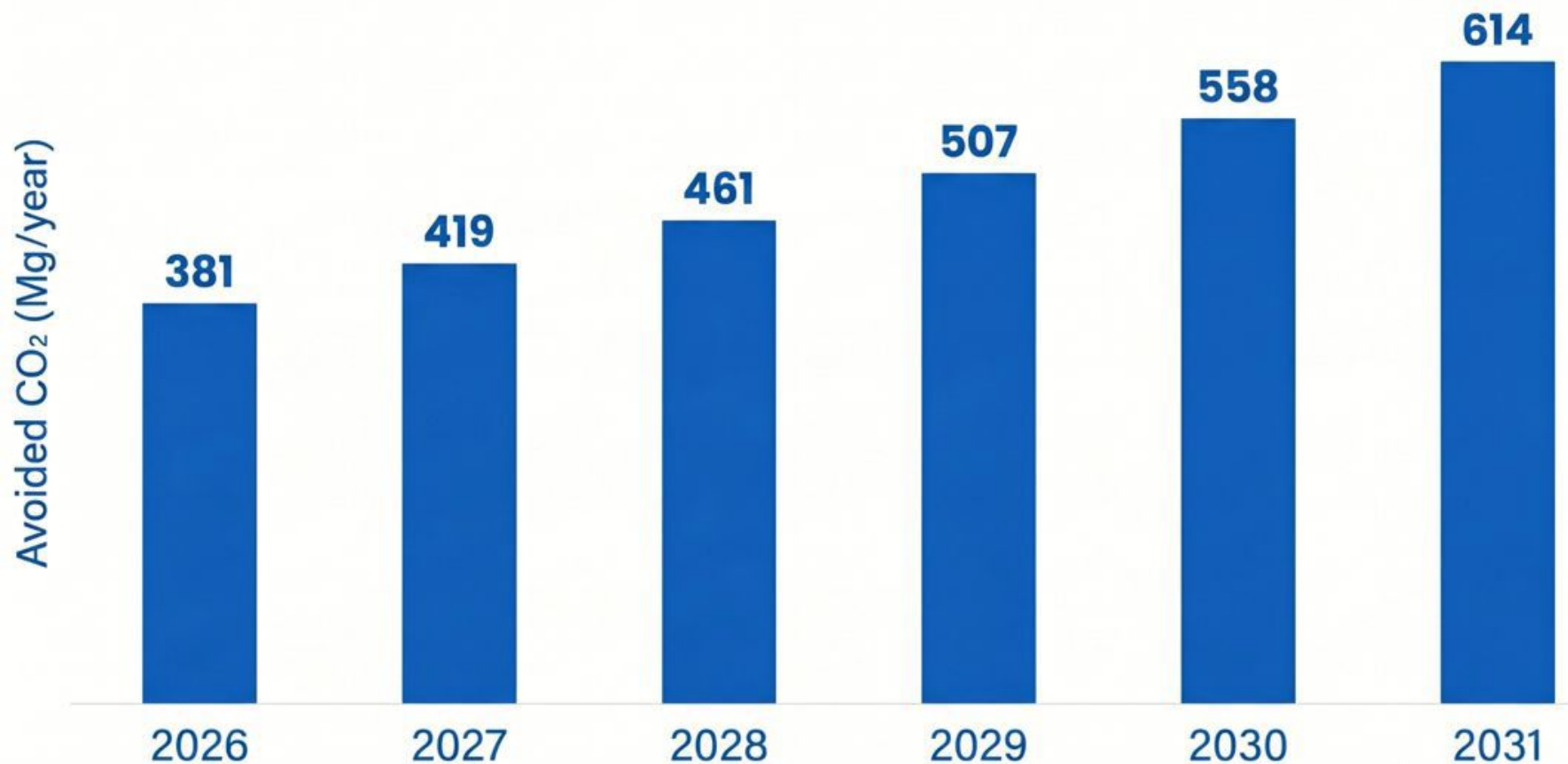


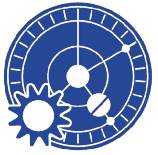
Long-Term Impact





Projected Annual Avoided CO₂ Emissions (2026–2031)





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