Development of an instant energy assessment and energy efficiency collaboration tool for built environment.

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About Us

Strong IP Position & Tech Focus

- Spin-off company of NTU Singapore
- Culminates 10+ man-years of R&D development at NTU
- Proprietary AI Algorithms

Experienced Team

- Founders with 15-20 years industry experience each
- Mix of industry practitioners, technology, business & finance background
- Well networked in the Built Environment industry globally

Development Grants

- Awarded more than S$ 0.5 mil. in grant funding for 2019-2021
- Grant-1 focus on technology development using advanced Machine Learning
- Grant-2 focus on developing real-time Virtual Audits for demand management
Our Mission

Energy intelligence to simplify decision making in the built environment
Our Solution: Virtual Audits

- Manual Performance Assessment
- Heavy Reliance on Expertise
- Trial & Error Approach
- Limited Stakeholder Engagement

Digital Twin

Augmented Intelligence

A performance assessment tool to uncover energy efficiency improvements in buildings remotely
Our Solution: Virtual Audits

AI-powered Remote Energy Assessment Tool using Data

Virtual = No Contact, No Travel, Low Cost, Transparent
Building Industry stakeholders can securely login, collaborate & share data for Virtual Audits & more
Features:

- GIS based interface for convenient navigation: building directory
- Digital footprint assessment (location, ground footprint, basic geometry, etc.)
- Access control customized for stakeholders (data privacy)
- Building performance overview display and comparison
- Dynamic ‘Add data’ functionality to be able to add relevant building data
- Energy performance calculations based on the Virtual Audit approach
- Auto and Manual Simulation to suggest wide range of Energy Conservation Measures (ECMs)
- Connections to technology providers, consultants, and funding sources
- Integration with live building analytics tools
- Custom analysis, alerts, and reports
- Project repository and portfolio sharing of best practices
Online Digital Built Environment Ecosystem

Development:

• Platform is currently ready for Singapore and other Asian countries
• Scope of new development:
  a. Adaptation & necessary modifications/enhancement of such tool for French and larger European context e.g. ECM, metrics and technology list adaptation
  b. Development and integration of Machine Learning models specific to France and European conditions
  c. Integration of platform with local green building, certification, and sustainability tools e.g. through API links, widgets and common database management
Online Digital Built Environment Ecosystem

Ideal partner:

- A company that has good knowledge and experience in the built environment and energy efficiency/sustainability domain
- Knowledgeable of and access to local environmental standards for the built environment
- Experience in digital modelling, IoT and data management will be an added advantage
Thanks

Looking for partners to digitize Energy Efficiency together

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