

MAGORI LAB.

[Sustainable Building design, Energy visualization, and optimized comfortable environment.]

Academic-industry partnership for proactive & holistic energy demand management for construction sector, Social Cooperation Program

<http://www.magorilab.iis.u-tokyo.ac.jp/>

Energy Demand Management Engineering

Engineering/Architecture

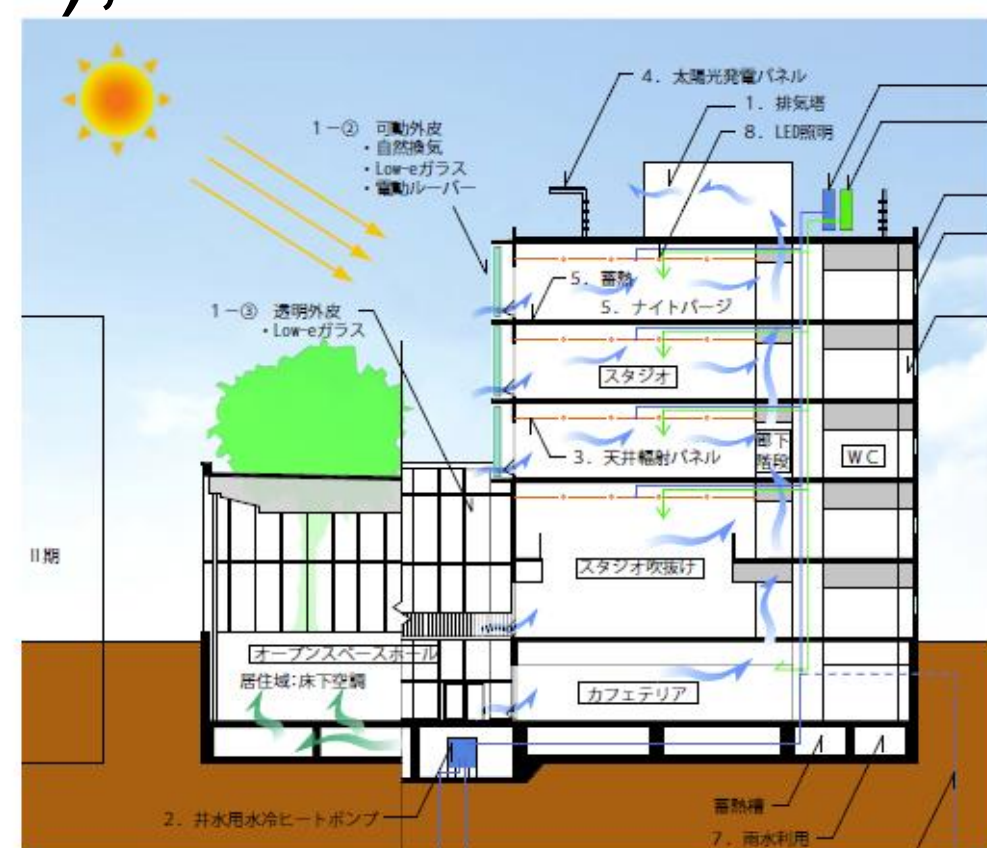
Sustainable Building design.

Our research and development proposes a new energy synergy structure. We have developed The Mieruka system and A.I. M & E control system for building functions, mechanical and equipment, and operations.

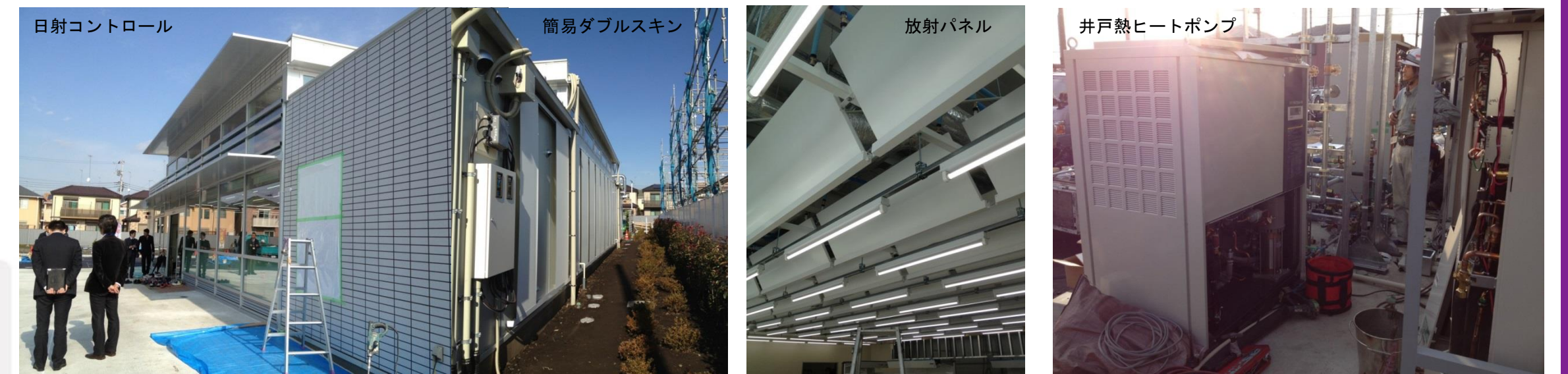
- ◆ R&D for Zero Energy Convenience Store (ZECS), Zero Energy Building (ZEB), and ZEB control systems



Pic1+Fig.1 Komaba Center for I
▲ 67% energy saving



1. 太陽光発電システム
2. 空気調和システム
3. 断熱性能向上
4. 省エネルギー
5. 自然換気
6. Low-Eガラス
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Pic.2 Environment and Energy Conservation store
▲ 40% energy saving



Pic.2 Environment and Energy Conservation store
▲ 70% energy saving (Target)

Energy visualization, and optimized comfortable environment.

- ◆ R&D for the intelligent sensor and controller for integrative energy optimization
- ◆ R&D for automatic analysis and optimized control for energy demand and energy use

