

MAGORI LAB.

Engineering/Architecture

Thinking about efficient and comfortable energy use.

Our research and development proposes a new energy synergy structure.

We have developed The Mieruka system and A.I. M & E control ayatem for building functions, mechanical and equipment, and operations.

Our system can manage and optimize energy use and efficiency for many small and medium-sized buildings. The system functions in place of the energy manager.

- ◆ 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
- ◆ R&D for the utilization of the synthetic energy management in a building group



Window thermal sensors
窓面の温度計



Passive + Active insulation
アクティブ+パッシブ断熱



Sensor controller
コントローラ



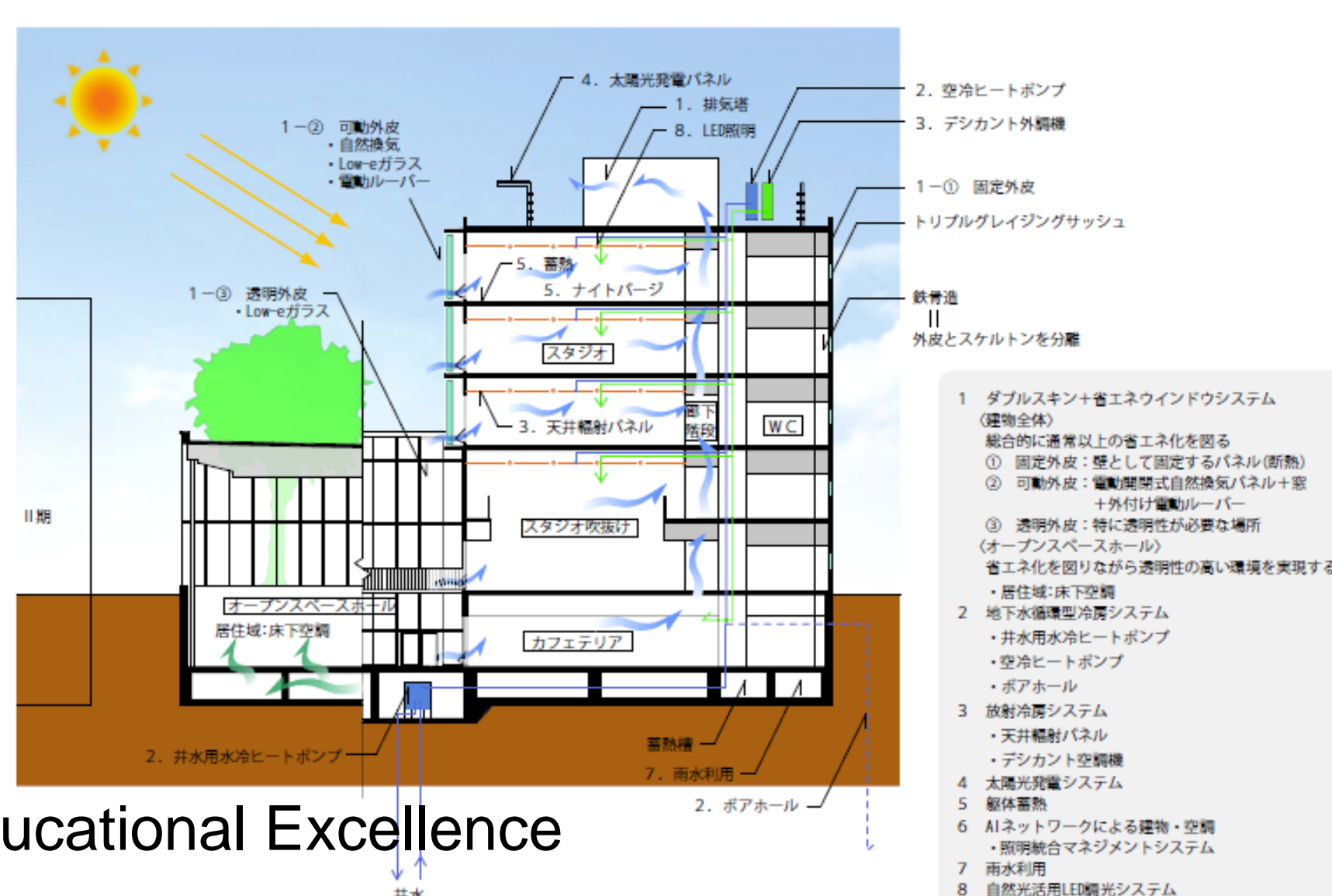
watt-hour meters
電力計

Using natural energy wisely for buildings.

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



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



Boiler Thermal sensors
ボイラー温度計



Outside air Thermal and Humidity sensors
外気温湿度計



Pic.2 Environment and Energy Conservation Demonstration store
▲ 40~50% energy saving



Seismometer
地震センサー