

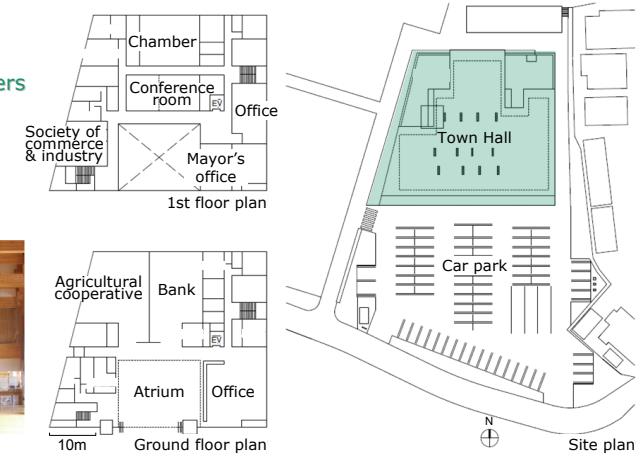
Yusuhara Town Hall, Kochi



- **Building Type / Use**
Town Hall
- **Country**
Japan
- **Client**
Yusuhara town
- **Occupation**
Aug 2006
- **Architect**
Designed and Assessed by Keio Univ.
Leader: Prof. S. MURAKAMI, Keio Univ.
Architectural Design: Prof. K. KUMA, Keio Univ.
Env. & Mec. Design: Prof. T. IKAGA, Keio Univ.
- **Gross floor area**
2970m²
- **Structure**
Timber, RC
- **Number of floor**
-1F, +2F

An Ecological Town Hall built of Local Timbers

Yusuhara Town Hall which has the function of disaster-prevention facility, convenience of citizen and the use of ambient environment and local timbers was built as multifunctional building. Included government, council, agricultural cooperative, bank and society of commerce and industry. Many local timbers are used and this building is packed in warmth of timbers.



Utilization of Local Timbers



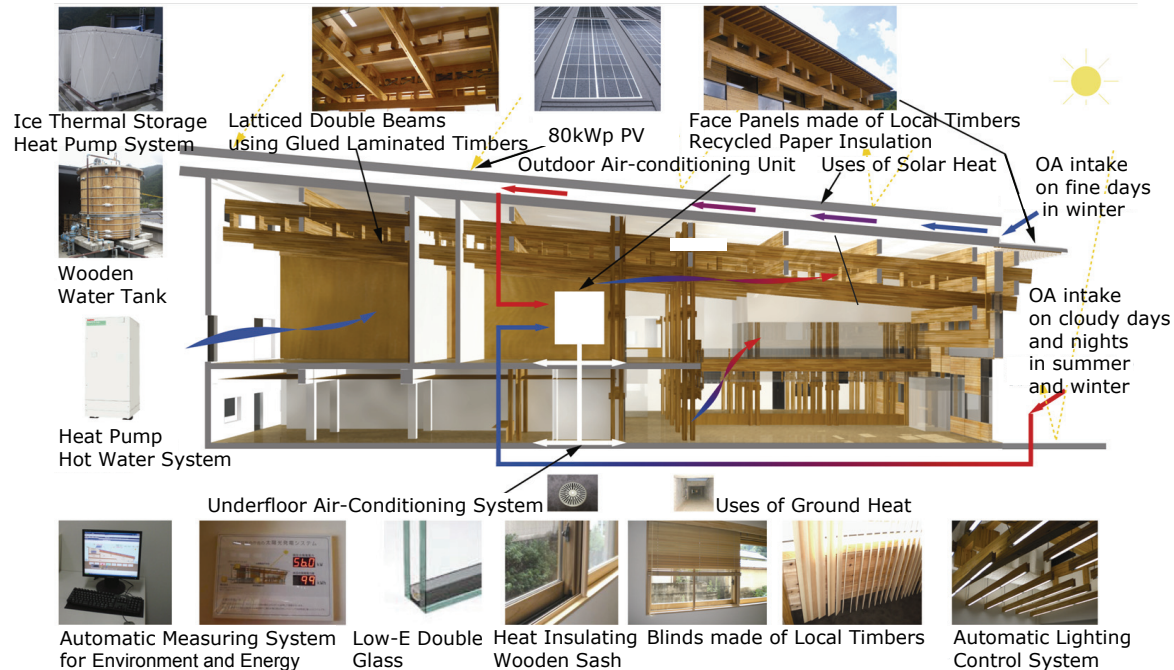
There are columns which made up of 4 timbers and latticed double beams at the atrium in the center of this building.

Cool & Heat tunnel



Fresh air introduced from intakes at the external wall enter the air-conditioning unit after precooling / prewarming through cool & heat tunnel under the ground

Sustainable Technologies



80kWp PV for 2970m² GFA



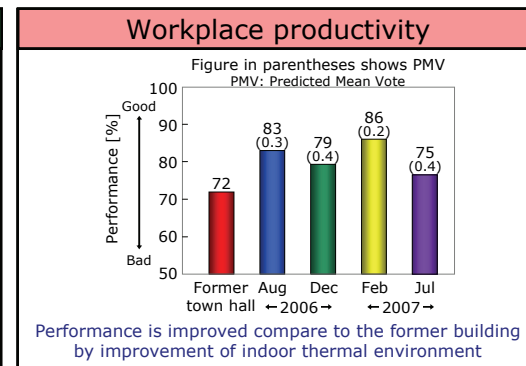
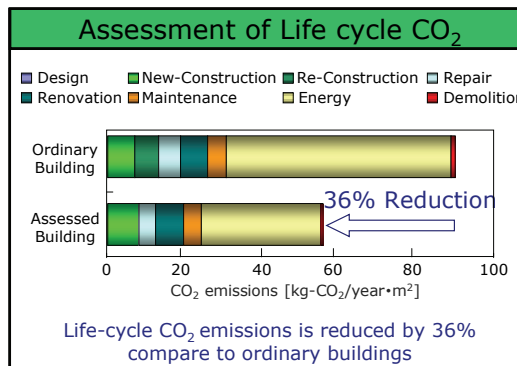
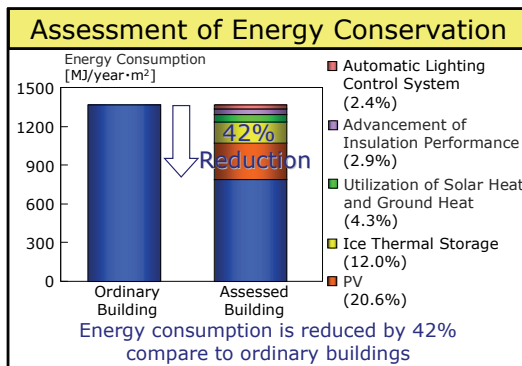
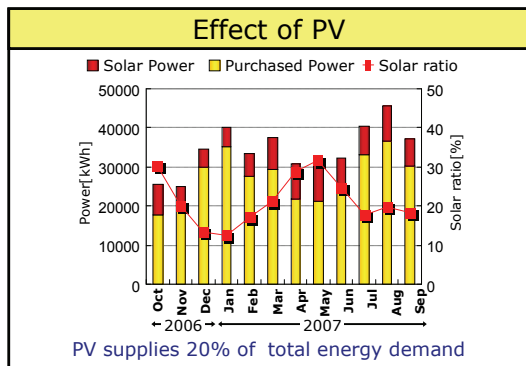
80kWp PV which is electric-generating capacity of national top level is introduced on whole surface of rooftop. The rooftop has simple flat design with integration of PV and rooftop for snow cover.

Large Sliding Doors



Large sliding doors at the center of the south side of the building are placed between the car park and the atrium. It is possible to ventilate efficiently by keeping the great doors open.

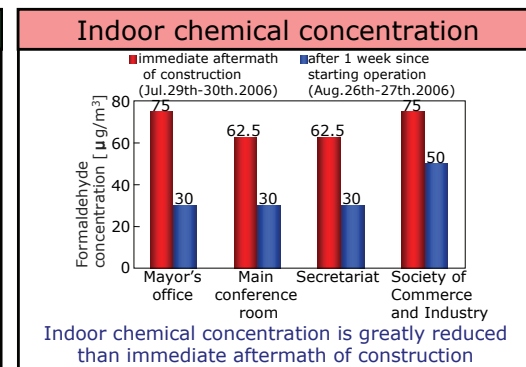
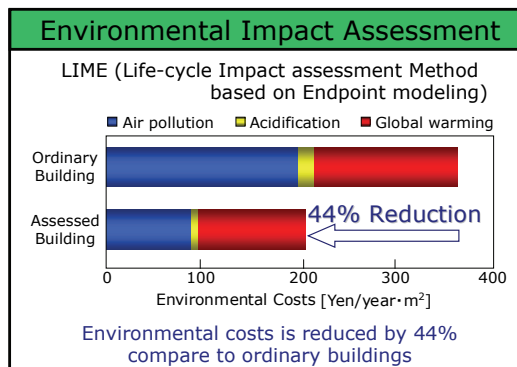
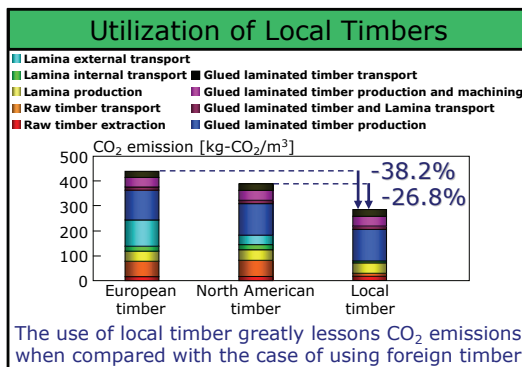
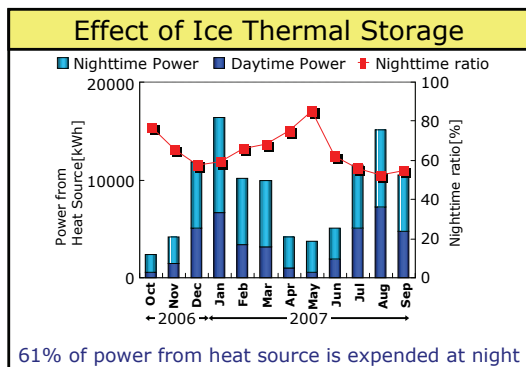
Assessment Results



Energy Conservation

Reduction of Environmental Loads

Improvement of Health and Comfort



CASBEE Result

