SRIBS Minimal-Energy Link House, Shanghai, China

Project description by author

The SRIBS zero-energy link house is commissioned and supported by Shanghai Research Institute of Building Sciences as an experimental design for mass developed small-scale residential buildings in Shanghai and its neighboring regions. Due to the increasing housing demand for the middle class families in China, multi-storey apartments and residential towers cannot meet their demands any more. The whole building achieves zero energy consumption in a year due to active and passive solar collection, natural ventilation, ceiling fans, as well as the utilization of earth heat. Another significant achievement of the project is the implementation of sustainable state-of-the-art technologies for mass-production and demonstrating their adaptability to local skills and social needs.

Relevance to target issues (by author)

1. Quantum change and transferability
2. Ethical standards and social equity
3. Ecological quality and energy conservation
4. Economic performance and compatibility

Comment of the Holcim Awards 2005 jury for Asia Pacific

The overall strength of the project lies in its experimental disposition toward the design of mass-developed, small-scale residential buildings. The authors actively engage the increasing demand for affordable housing in China. Although the units are quite compact, they nonetheless offer spatial variety as well as a diversity of environmentally friendly qualities.

Comment of the Holcim Awards 2005 jury for Asia Pacific

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