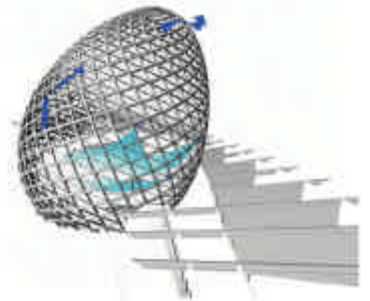
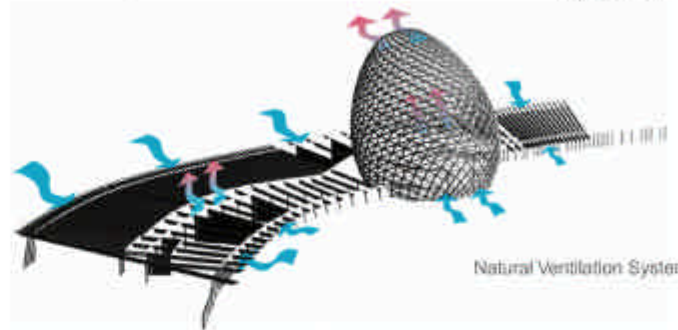


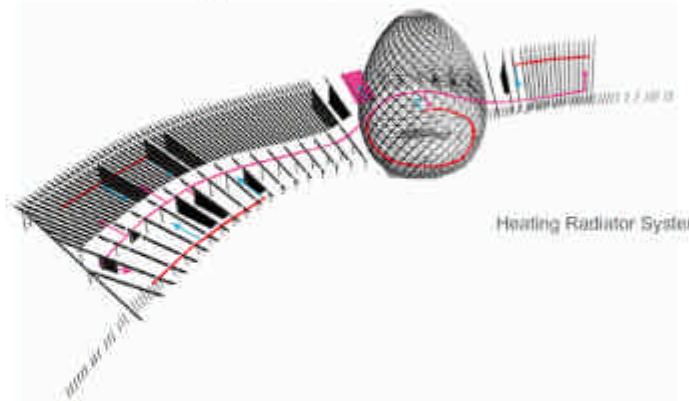
Auditorium AC System



Fan Coil System



Natural Ventilation System



Heating Radiator System



# BUILDING RENOVATION

Chang Kuei-Feng & Nien-Tsu Chen

National Cheng-Kung University, Tainan, R.O.C. Taiwan

Title of the project:

The Sustainable Approaches for the Building Renovation in the Subtropical Region

Description:

Taking some Practical Projects in Taiwan as the Demonstration on the Environment-sustainability and Occupant-healthy Benefits

Abstract:

Sustainable Development is a worldwide trend that analyzed from the lately international conference. It is in search of a system that can provide comprehensive performance on the environment-oriented, energy-saving and occupant-healthy approaches.

Occupants in buildings which included the built-environment (illumination, acoustics, air quality, diet, thermal comfort, and social environment) reflect the situation which surrounds them by their physiological and mental sensations (sight, hearing, smell, taste, touch, and mentality).

Taiwan develops a system of sustainable healthy construction that can provide comprehensive performance assessments of buildings in the different environmental scales: global, regional, local, interior and individual.

This paper takes some practical projects as the demonstration to illustrate the design and technology approaches, integrated environmental harmony and occupant-healthy, in the hot- wet tropical area.