This project is commended for its innovative proposal for eco-construction systems and for demonstrating the possibility of bridging the gap between architectural research and practice. Of equal strength is the range of techniques and points of engagement rather than a singular approach. The project is substantiated by numerous experiments and research initiatives to test by application the appropriateness of the techniques proposed. Addressing challenges such as rapid population growth, decreasing supplies of natural resources, and environmental pollution, the scheme demonstrates awareness of both the gravity of such challenges – specifically in China – as well as the urgency of developing strategies for sustainable construction. The project merits attention for its effort to embody the principle of social equity and mutual existence through the idea of a ‘green community’. By incorporating the specific demands of local and regional planning mandates, the work also engages the interrelated themes of economic efficiency and ecological performance while utilizing nature itself as a prominent agent in the aesthetic expression of a new integrated community.

Project description by author

The project is a concept plan under the purpose of creating a green, ecological, sustainable community. Now the project is under implementation and will be further designed on the base of that recognition. This project has been an experimental unit for eco-construction in city of Fuyang, Zhejiang province. For coping with environmental problems under the background of globalization such as rapid increasing of Chinese population, lack of natural resource, environmental pollution, the environmental idea has been transformed from spontaneous state to conscious state. This transformation leads the society developing from the consumption-oriented way to harmonious, clustering, sustainable way. While advancing the process of urbanization, the professionals are studying many new technologies and methods for finding out the ‘green key’ which providing guidance for development of future cities and countryside. The leaders and administrative organizations from local and national level also issued relative guiding policies and legal documentation.

Relevance to target issues (by author)

Quantum change and transversability

This project focuses on harmony, equality and mutual-existence, which are also important part during the sustainable construction. The project not only puts forward corresponding planning programs in the consideration of the benefit existing among generations, the integration groups of community the development of community and natural environment, but also emphasizes the equality and mutual-exist.

Ecological quality and energy conservation

This project has made encouragement and good use of advanced way for designing, infrastructure construction and administration as possible as we can according to consideration of the protection for eco-environmental factors and the centralized use of energy. This project also calls for compensative measures for dealing with possible impacts caused by changes at present or in the future.

Economic performance and compatibility

The real conditions are complicated and various. Dongzhou district which is in the development mainstream will be confronted with a revolution of its economic resources. This project emphasizes and leads the resources developing in the direction of permanence, green, high-efficiency and centralization.

Contextual response and aesthetic impact

There are abundant cultural traditions and landscape in location and around areas. The concepts of Innovation Village and Ecologic patio house can completely express our attitude to cultural context and natural aesthetics.

Further authors

Yang Tao, Cao Chun