Designing An Eco+ City

PROPOSAL FOR HULUDAO CHINA

SETTLING ON THE SITE

The site located in Liaoning Province, China. The spirit of the place drawing on Chinese ancient philosophies, the site seems like the perfect place to found a city if one can imagine a person standing at the center of the site, facing the sea, Chinese people thought that will tell you that feeling the rising sun’s warmth on the face while being embraced by the surrounding hills.

ECO+ SYSTEMS

Instead of consuming resources and saving Eco-habitat. The eco+ builds advanced sustainable infrastructure technologies and facilities designed to produce food, energy and fresh water, to collect and recycle rain, wastewater and waste and make good use of them.

FOOD WATER PRODUCTION

FOOD WATER PRODUCTION: At least 70% of needs
WATER PRODUCTION: Recycling and recovering of all kinds of existing waste water with desalination technology taking the “green”

URBAN BLOCK PATTERN

The eco-city dwelling adopt the pattern to accommodate the existing village.

On these building plots, according to building-height evaluation understandings, maximize daylight and cross ventilation, while minimizing the south of the old building.

We find three green houses for living machine in the campus and in the golf area, and green houses in the urban area for edible gardens. Grey water are treated on the lot building.

ENERGY PRODUCTION

8% of eco+ structured energy
3500 MWh/year building for minimum, solar and bio.

SOLID WASTE RECYCLING

SOLID WASTE RECYCLING, sustainable impacts with potential for converting waste to useful products. 0.5% of required power and of heating needs, production facility for 13000 per year.

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