The project relates to the development of the urban territory of Shanghai, by the creation of hyper-structures able to answer multiple functionalities, under strong conditions of environmental comfort and consumption of extremely weak energies. The project is grafted on the bridge of Donghai, longer of the world with its 32,5 km connecting the town of Shanghai to the Yangshan islands. These islands shelter the largest deep water port of the world. New entities, in the shape symbolic system of 9 dragons, mark out the layout of the bridge. The establishment of each entity optimizes the high funds of bay. Each "dragon" consists of floors out of ring 500 m in diameter and 30m broad, on ten on 16 levels. A vegetal thermical envelope packs the unit and configures the image of the dragon. On the level of the bridge and mezzanine, networks, service roads private, terrestrial and maritime, public transport. In tertiary stages, many equipments, public residences Each “dragon” develops a surface of 750.000m²

The bridge: Length: 32,5 km
Width: 31.5 m
670 series of piles
6 ways

- One dragon: 752 000m²
Surface of a plate: 47.000 m² x16
Configuration:
376.000 m² Housing and office
47.000 m² Trade and shops
94.000 m² circulations and carparks
19 km of garden walk
1 large equipment
Energie 00

Nine dragons:
Approximately 6.750.000 m²
9 large equipments for:
University
Sport
Culture
One reaches the “dragons” by road, tram, sea. The “heads”, have a great volume allowing the establishment of programs and specific equipment sets of themes. In complements of tertiary surfaces and residences, each of the 9 dragons, identified according to the Chinese legend, carries one of the nine work programmes.
FREDERIC DRUOT ARCHITECTURE
SHANGHAI, DRAGONS OF THE BRIDGE OF DONGHAI
Urbain developpement, 9 dragons for living, 00 Energie

Floors
10 à 16 levels 6m high

Floors + thin straps

Floors + thin straps + skin
The nine Dragons of the Donghai’s bridge

Floor (partial floor)

Floor + thin straps

Floor + thin straps + skin
Overall picture, with the access by the mouth of the dragon
FREDERIC DRUOT ARCHITECTURE
SHANGHAI, DRAGONS OF THE BRIDGE OF DONGHAI
Urbain developpement, 9 dragons for living, 00 Energie

General view on water

Swimming pools and baths on the roof

Able interior spaces, Residences, Offices, Tertiary sector, cultural leisures, Equipment.

View since a thin strap

The thermal envelope in the prolongation of the floors

The thermal envelope in the prolongation of the floors

Accès

View since the roof
One reaches the “dragons” by road, tram and sea. The “heads” have a great volume allowing the establishment of programs and specific equipment sets of themes. In complements of tertiary surfaces and residences, each of the 9 dragons, identified according to the Chinese legend carries one of the programs of activated according to: stages, museum, university, tradition, attraction, congress, new musics, philharmonic musics.