

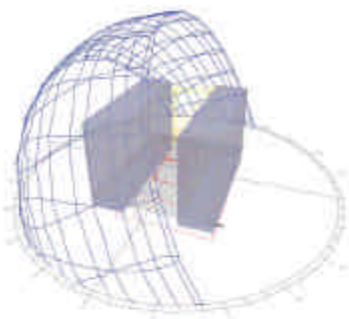
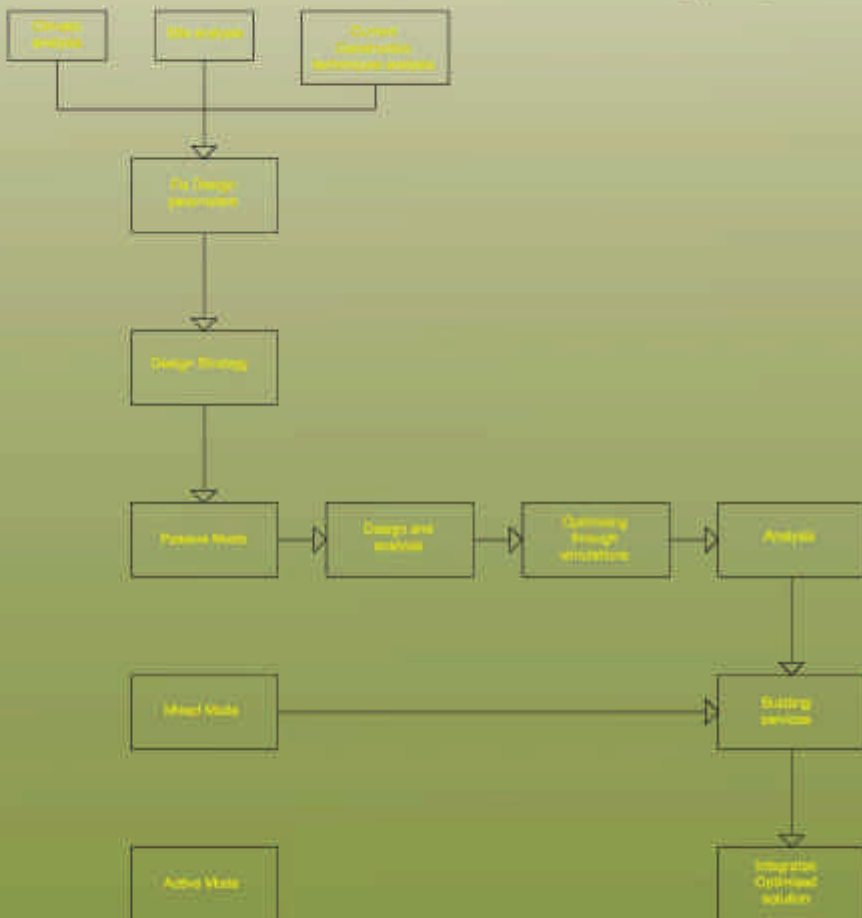
**Pavillion VK40**

The essence of a pavilion in which the constructive form gives a sense of scale and precise space of timeless light and shadows, poses in the tranquility and simplicity derived by the destined use of the edifying materials, in which structural steel greater accomplishment of industrial revolution-, reinforced concrete stone of the XXth century- the glass sand of perennial beauty that reconciles matter and spirit. The lightness and transparency of the wrap emphasizes the swelled crystal plane that marks pavilion main entrance and limits from the immediate environment. An exterior ramp which ascending sense avoids the eternal human wish to unveil the immemorial knowledge of life-, concludes in the last level where a delicate box of glass shelter the richness of the donated heritage by Vladimir Kaspic.

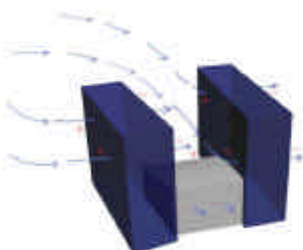


# Innovation, Efficiency, Ecology

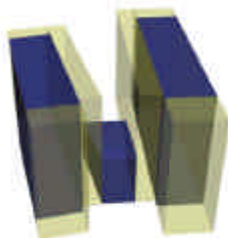
A strategy developed for sustainable design in a hot dry climate based on a three-tier approach of passive, mixed and active energy systems integrated into the design of the hotel. Innovative shading and natural ventilation systems have been used and optimised through scientific techniques and thermodynamic computer simulations. The goal is to reduce consumption of non-renewable resources in terms of material use and energy usage.



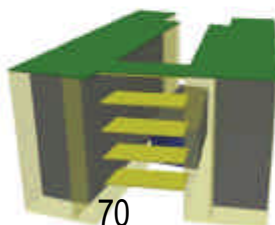
Form and orientation with respect to sun



Form and orientation with respect to wind



Solar shading devices: Staircases and terraces on east and west



Green roofs as insulation from horizontal solar radiation

