Abstract

This thesis is a response to the projection of Singapore as the environmental hub in the region for the next century. The establishment of an R&D is essential in order to export the expertise in waste management and its technologies to the neighbouring countries. The vehicle is an info-educational research centre for environmental technology. Located on a former landfill ground it acts as a showcase in effective waste management of landfill site. Beside an efficient waste management operation, public awareness is necessary to address the problem of the ever increasing amount of refuse produced in the city. The programme incorporates research laboratories and exhibition area set in a theme park environment. The park provides edu-recreational features revolving around the theme of recycling. Engaging both programmes in the park environment, the architecture attempts to mediate the controlled working environment in the laboratories and the informal space of the exhibition tunnel into an integral landscape feature. Technological provision to collect solar energy and rain water is manifested as the architectural features. It serves to relate the symbiotic nature in the functioning of the building with the environment.