ABSTRACT:

This thesis seeks to explore alternative approach towards the recycling issue. The need for recycling is inevitably out of environment concern and must be perceived as a form of social awareness. Recycling must be incorporated into the culture of the society in order to achieve effectiveness. However, it is important to address the basis of recycling in terms of its ideology. Recycling must not be looked upon solely as a remedy to the waste problem, an afterthought considered at the end of the life cycle of the product or activity. It is a continual process, which must be adopted throughout the life-cycle in terms of design, process and recovery. This form of recycling enables flexible adaptation which may be incorporated into our way of life.

In order to incorporate this life-cycle ideology into Architecture, various forms of flexibility must be investigated to allow the process of adaptation and change in recycling. To integrate recycling into the built environment, flexibility must be adapted in various architectural variables such as the design process, systems, materials, functions and use. The proposed programme for a center for recycled building parts attempts to provide a basis for such concepts of flexibility to be applied. This is to allow investigations of layout, structure, system coordination, image and activities to fully incorporate the ideology and culture of recycling.