

BIOPHILIA TERMINAL:
A LOW ENERGY AND
HIGH PERFORMANCE TERMINAL
OSMAN MOHD TAHIR AND KOH CHUN SENG

The study on impact of urban development to suit with the increasing population of urban dwellers and their demand is becoming more critical and vital. Urban areas are always related to hard surrounding which lead to issues connected to concrete jungle environment, thermal comfort, heat island effect, pollution, energy consumption and lack of poor planning. In order to reduce the impact, green sustainable approaches and strategies are being introduced. A virtuous urban planning and development with the integration of natural factors will assist urban designers towards preparing for an efficient and natural eco-system for urban environment. Hence the concept of “Biophilia” is timely to be presented for a transportation terminal carries almost all of the main issues mentioned earlier. “Biophilia” or “love for our living” describe the intrinsic affinity that human being have with nature. “Biophilia terminal” acquaints a concept to connect

the indoor and outdoor spaces. It acts as an air conditioner to the area by regenerating nature and creates more natural urban environment. It also repairs and restores the lost and degraded environment. By bringing back nature to the terminal building and its adjacent area, “Biophilia” concept will generate and establish a natural urban environment. “Biophilia” concept integrates different sustainable natural and green approaches and strategies; among others are renewable energy, green building, sponge city, green corridor and “biomimicry” in reducing the impact and balancing the urban environmental condition. The concept will help to transform and connect the indoor and outdoor spaces of the terminal according to the green sustainable approaches and strategies with the application of low energy and high performance terminal.