Workshop Presentation:

Implementation of Integrated Design Process and the Evolution of a Sustainable Building

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Abstract: In line with the global trend of ever-increasing environmental awareness, never before has environmentally friendly features in buildings been as popular and important in the industry in the last few decades. However, implementation of a truly sustainable building requires more than the mere installation of the latest technology building devices and system. While conventional design approach has discreet phases of different workstages where distinctive professionals tend to take the lead (often the Architect) in different stages as the others remain relatively passive; the Integrated Design Process stresses on the concerted input, interaction and smooth coordination of all Consultant parties, Client, users and even future management to strive for an outcome that could truly realize the concept of “sustainability”.

This presentation focuses on a local project case that flexibly adopts the integrated design process in its exploration, design and implementation of various sustainable features including, but not limited to green roofs, wind turbines, total energy management system, use of ETFE, light pipes, solar reflector, enhanced indoor air quality, solar thermal panels and rainwater collection.