

Study on Conservation and Regeneration of the Industrial Buildings

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Abstract : The conservation and regeneration of historical industrial building is one of the most important issues to be solved in today's urban development in the world. There are growing numbers of industrial building in which promoting heritage conservation maybe a helpful tool for a sustainable city in social, urban restructuring, environmental and economic component. This paper identifies the key attributes of conservation and regeneration industrial building from the literature, were discussed by reviewing its development at home and abroad. The authors have investigated 93 industrial buildings, which were used as industrial building before and reused into buildings with another function afterward. The data to be discussed below were mainly collected from various publications but also from available internet sources. This study focuses on green transformation, historical culture heritage, transformation techniques, and urban regeneration based on the empirical researches on the historical industrial building and site. Moreover, we focus on social, urban environment and sustainable development. The implications of the study provide suggestions for future improvements in the conservation and regeneration of historical industrial building, and inspire new ways of use, so the building becomes flexible and can consequently be adaptable to changes in order to survive time. Therefore, the building does not take into account only its future impact in the environment and society. Instead, it focuses on its entire life cycle.

Keywords : industrial building, heritage conservation, green transformation, regeneration, sustainable development

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