Restructuring Railway Station as Multi-Dimensional Integration

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Since the end of the 19thcentury, the railway has become a revolutionary way to eliminate limitations of distance and create the new public places for human routine life. Certainly, the railroad industry is changing in the aspect of its uses, potential passengers, and goals are no longer as limited as in the past. This research pays attention to the recent changed role model of railway stations which is turning into Multi-dimensional Integration via Large-scale and Multi-mixed development. And the object of this research is to find out the design method on multi-dimensional Integration including characteristics of planning features and factors and propose the applicable model for sustainable railway station area's restructuring in order to overcome the current urban problem caused by the railway road such as discontinuity of context and unbalanced development of area. Especially, Restructuring of these multi-dimensional Integration in railway station means not only physical connective forms but the systemic methodology supporting potential value to maximize the utilization of urban resources. This phenomenon of multi-dimensional Integration in railway station area can be interpreted as the results of transformation in order to accommodate demands of a city responding to the times' situation and various relations of users and participants of this area. We will recognize the relativity between a historic flow and local context and seek for the transformation of evolution of railway station area by what kind of needs it has gone through and by what kind of process it has passed through. This article presents the five representative types of multi-dimensional integration that are Spatial, Functional, Chronological, Transitional and Environmental Integration by taking notice of that railway station areas are turning into the various dimension's integration system by the recombination between inherited local characteristics and the new demands for changed role. As the examples of these multi-dimensional integration, 5 typical railway station area of Tokyo which are under the construction or recently completed will be analyzed. Finally, we will be able to understand the trends of multi-dimensional integration in Tokyo's railway station area and look into the ways of restructuring multi-dimensional integration, the process of negotiation with local demands and the ideal direction to plan being meaningful for sustainable redevelopment in railway station area.

KEY WORDS: Multi-dimensional integration railway station redevelopment.