

Social Ecological Resilience to River Floods and Coastal Disasters

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Is the Modern Flying Factory (MFFs) the Quick fix for Disaster Management?

Introduction

The world is often criticised for its shortcomings in managing disaster and very often when disaster occurs, there are minimal preparations for re-housing those affected and displaced.

In the light of this development, this paper will seek to explore the possibility of re-housing those affected within the quickest possible time either, whilst disaster is being anticipated or slightly after its occurrence.



The modern flying factory (MFF); is a concept that involves the manufacture of specific components or modules in temporary off- or near- site locations, using relatively simple and quick to set up and dismantle technologies and processes, with an aim to produce short batches, hence achieve some of the benefits of off-site manufacture on a much smaller scale than in dedicated factory environments (Young et al., 2015).

The flying factories concept provides offsite lean manufacturing and industrialisation, using temporary and versatile factories (Skanska, 2017).



MFF; an improved MMC construction technique. Could this likely be the future for quick manufacturing of buildings in achieving cost within budget, uncompromised quality, at the quickest time possible? And considering meeting these targets, could it equally be the future for rehousing disaster struck communities in meeting up with rehousing those affected?

Conclusion;

When disaster occurs we are often disoriented due to inadequate preparations for virtually all the basic needs of life but often considers housing as the list consideration. The consequences are; without accommodation, healthcare professionals cannot care for the needy, food can not be preserved, there would be an outbreak of diseases and poor sanitations resulting in further disaster. Hence, with more funding into R&D, MMC and MMF should be researched and developed to enhance quick fixes to accommodation for disaster struck communities.

Research Interest includes;

- Modern Methods of Construction (MMC)
- The Modern Flying Factories (MFFs')
- Innovation in the Housing Industry and
- Diffusion of Innovation

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