# Alternative to Temporary Housing

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## Abstract

While the frequency and destructiveness of disasters are increasing in the world and in Turkey, the need for temporary shelter arising from these disasters is becoming a multidimensional problem day by day. In particular, the major earthquake disaster that occurred in Turkey in 2023 and affected 11 provinces clearly revealed the limited capacity of existing temporary shelter systems and their inadequacy in terms of long-term suitability for living. In this context, more flexible, rapidly available and multifunctional shelter approaches that can be an alternative to traditional tent and container solutions are needed. This study examines the potential of transforming city buses into mobile living units as an alternative approach to post-disaster sheltering needs. The mobility feature of buses, the convertibility of their interior volumes and low-cost accessibility make them a refunctional source for emergency sheltering purposes. Within the scope of the study, health-based approaches in temporary shelter design, spatial performance criteria and refunctionalization strategies are discussed and the suitability of buses in this context is examined. In this context, the article aims to create a conceptual discussion ground and to develop the intellectual infrastructure of alternative approaches that can contribute to post-disaster temporary shelter policies.

## Keywords

Post-disaster shelter, mobile shelter, temporary shelter, adaptive reuse.