







demolition. There are a set of problems in this process. The first nodus is how to properly dispose of waste and pollutants to avoid adverse effects on the environment during the demolition phase. Secondly, for reconstructed MCHs, it is hard and important to prevent the secondary spread of COVID-19 while not destroying the components and structure of the original buildings. Another point is related to the sustainability issue. A lot of manpower, material resources, and expenses have been invested in MCH projects. It is worth considering how to balance resource waste and reuse issues. Additionally, it is challenging to address problems like the storage of demolished objects, the risk of personnel infection, and the demolition schedule.

## V. CONCLUSIONS AND RECOMMENDATIONS

This study conducted an overview of mobile cabin hospitals based on the Chinese case. Firstly, this study illustrated the two construction patterns of MCHs in China, including newly built MCHs and converted MCHs. Subsequently, three maps were drawn to present the geographic distribution of MCHs during the COVID-19 pandemic, involving the number of MCHs, the total number of MCH beds, and the average number of MCH beds. Finally, potential challenges throughout the whole life cycle of MCH projects were summarized on the basis of the current development of MCHs in China. These findings could provide valuable experience and references for battling against public health emergencies such as the COVID-19 pandemic. Moreover, in the post-pandemic era, it may raise awareness about protecting the environment and provide a sustainability-related knowledge base both in practice and academia by illustrating the challenges in the demolition phase of MCH projects.

In the future, countermeasures to these challenges of implementing MCH projects should be further explored. Additionally, the sustainability issue of MCHs needs to be investigated in further research.

## CONFLICT OF INTEREST

The authors declare no conflict of interest.

## AUTHOR CONTRIBUTIONS

Wenque Liu conducted the research under the supervision of Albert Chan; Amos Darko, and Fan Zhang analyzed the data; Wenque Liu wrote the paper; Man Wai Chan and Goodenough D. Oppong reviewed and improved the write-up of the paper; all authors had approved the final version.

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