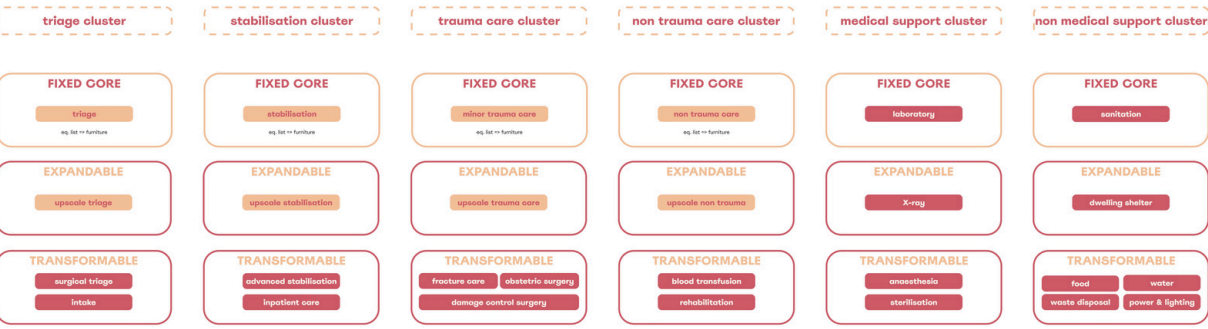
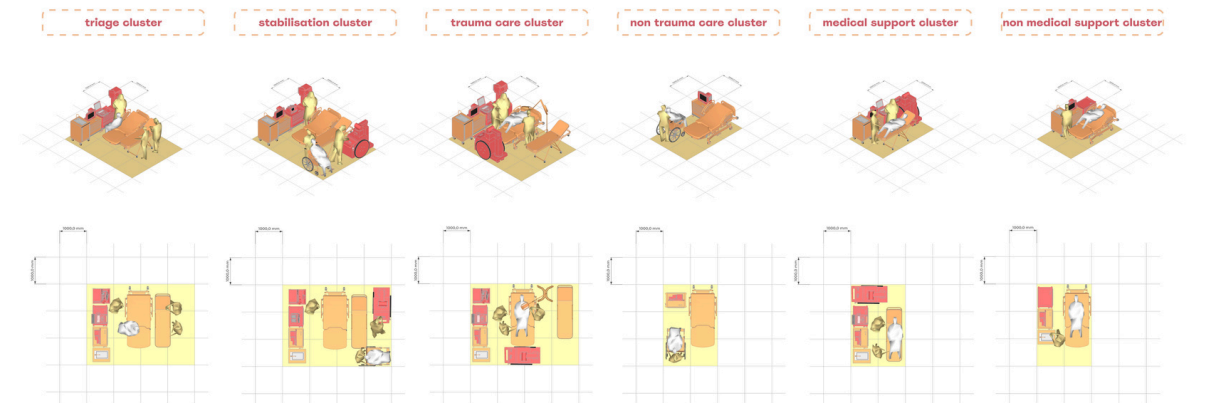


m e d i c a l s y s t e m



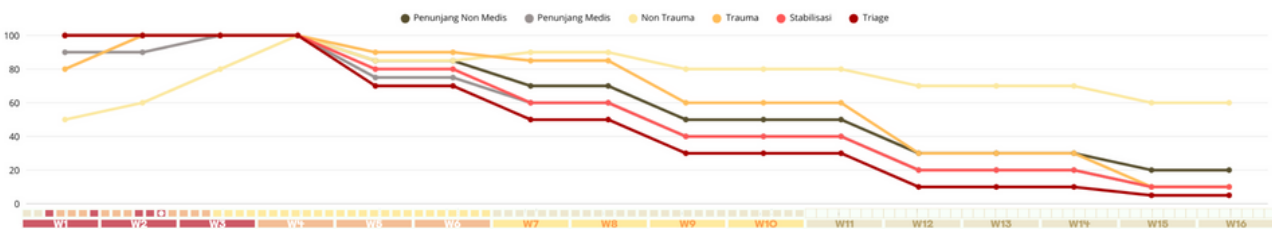
cluster evolution system

Medikilat consists of a **triage** cluster for rapid patient sorting, **trauma care** for treatment of minor injuries, operative for emergency surgery, **stabilisation** for continued observation, **non-trauma care** for general patients, and a **support** cluster as a logistics centre and medical operational support.



smallest activity size

Each cluster in **Medikilat** is designed with a **minimum area** that is carefully adjusted based on the type of medical activity, the need for furniture and medical equipment, the flow of patient services, the number of staff involved, and the phase of medical treatment-from triage, action, treatment to rehabilitation-so as to ensure **space efficiency, work safety, and smooth operations** in disaster situations.

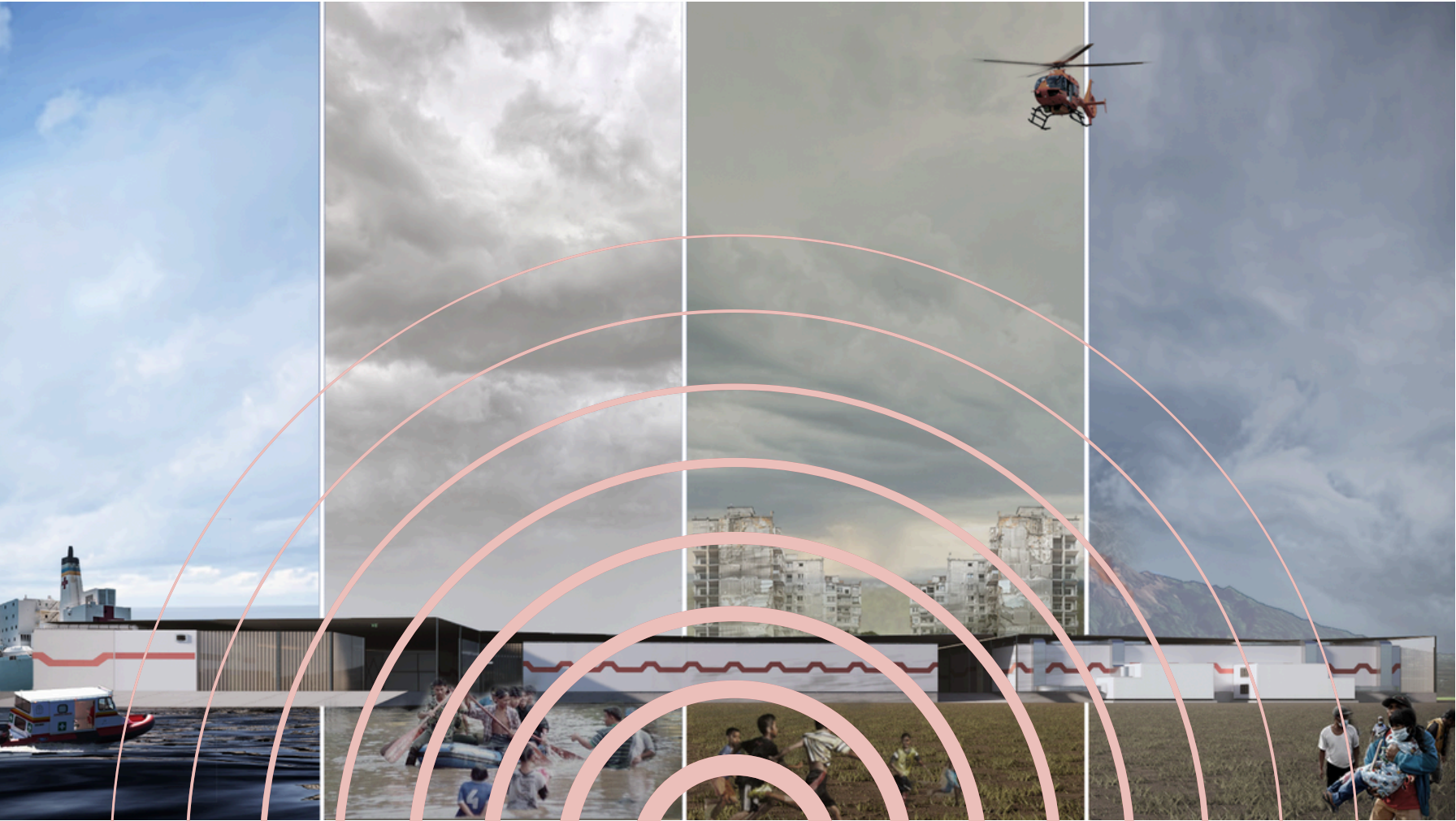


cluster dynamic system

Medikilat is designed to be flexible with the **ability to adjust** the number of units **based on the escalation** of medical needs that can be calculated for the emergency response period from the first week to the 16th week after the disaster, so that each cluster can be added, reduced, or relocated **according** to the field **situation** and the **burden** of patient and medical staff **needs**. The graph above is a simulation of a disaster event **Eruption of Mount Merapi 2010, Cangkringan, Sleman**

In the event of an unexpected disaster, how well prepared are we to initiate a response and save lives within a matter of hours?

Just imagine if hospitals could be folded up, moved, and reassembled at any point within a day how many lives could be saved?

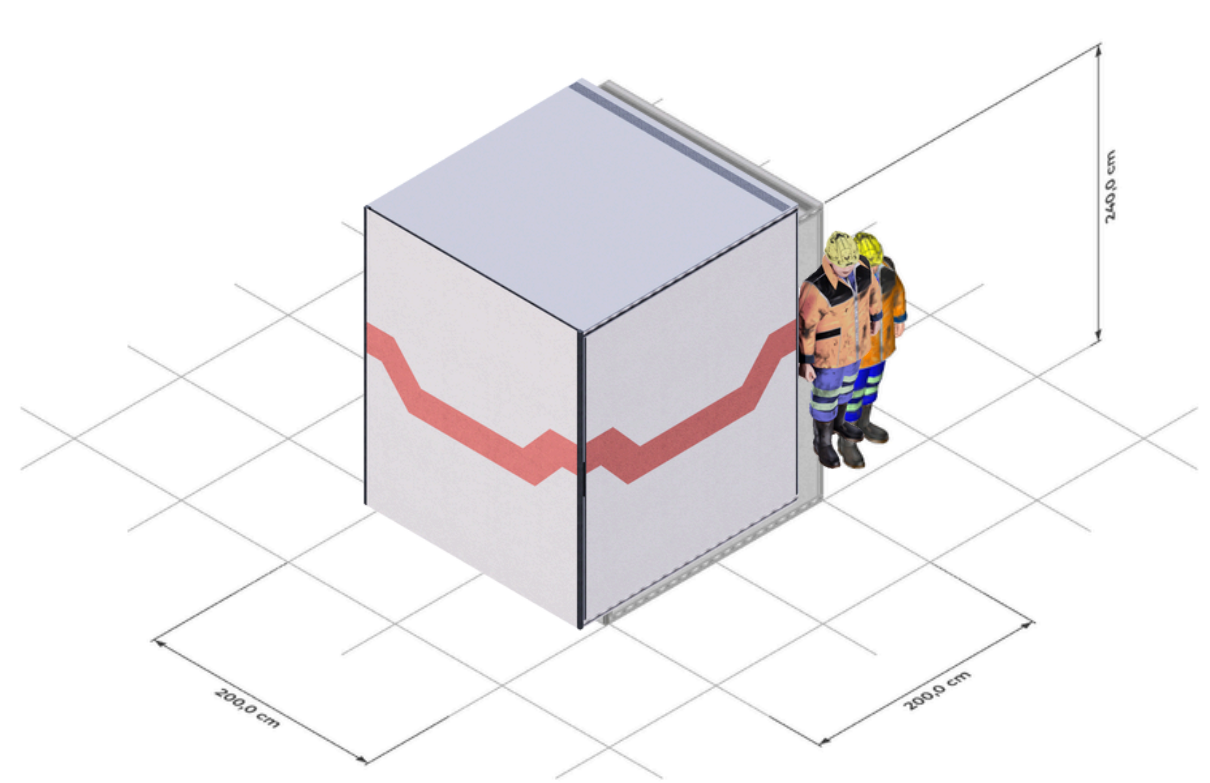


medikilat

medical solution in every condition

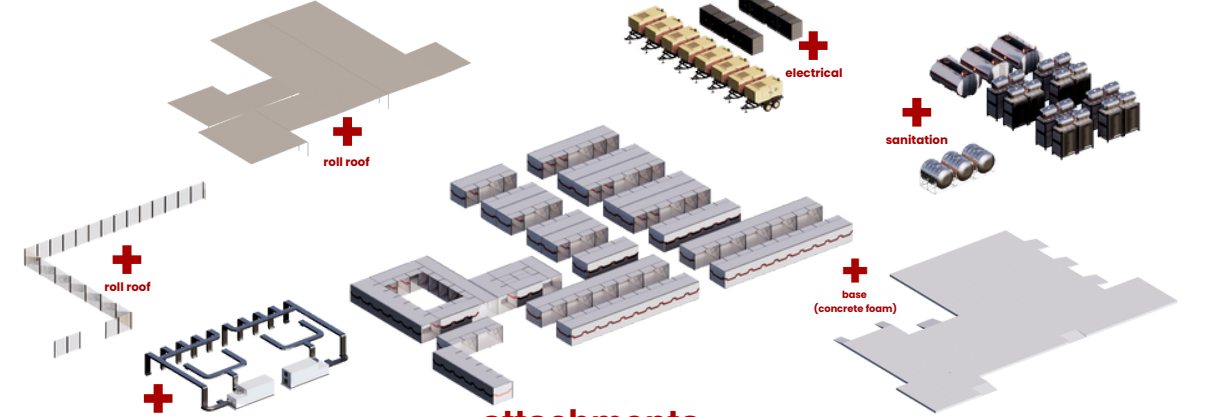
dedicated designed for sudden onset disaster

b u i l d i n g s y s t e m



fixed core module

The **fixed core module** forms the **structural foundation** of a modular hospital, comprising a folding structure, **fibre-reinforced** walls and floors, and integrated furniture and medical equipment. This design facilitates easy mobilisation, rapid installation, and efficient operation in emergency situations.



attachments

Although **clusters** that have been calculated according to the disaster escalation **have been deployed**, they **cannot yet function** as field hospitals. Therefore, they **need additional attachments** to be integrated.

