From “Separation by Necessity” to “Collaboration by Choice”

Jiangnan University, School of Design, CHINA
Course: Service Design (PSS.Design)
Class: Industrial Design 1701 (3"y bachelor)

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14 April, 2020 ©Jiangnan university
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A shared sleeping cabin for medical staff in an epidemic situation
为疫情下的医护人员设计的共享睡眠舱

Design background
Since the outbreak of the epidemic, the work intensity of medical staff has been high, with an average daily working time of 10 hours. Only a small number of local doctors and nurses can go home after work. Most of medical staff from other places live in surrounding hotels. ICU doctors are not allowed to leave the hospital for a long time or have distance restrictions, so they need to be on standby at any time. The medical staff on duty can only rest on the spot in the hospital.

Service Blueprint

Scenario 1 Short break during duty
- Virus isolation index: low medium
- Location: hospital room
- Functional features: folding structure saves space and is easy to change and wash

Scenario 2 Rest after work or shift
- Virus isolation index: High
- Location: Open space inside the hospital and public space around the hospital
- Functional features: Movable, isolated environment, disinfection and cleaning

Product rendering
- Disinfectant sprayer
- UV disinfection device
- Water basin
- Toiletries and disinfection tools

Client interface

Service system process
1. Medical service is scheduled at the client
2. Query location and navigation of order
3. Reach the capsule and scan QR code to unlock
4. Put down the clothes outside, clean and wash
5. Press the button to disinfect and enter the cleaning area
6. Open the bag, take out the bedding, open the bed board and lay it
7. Rest
8. After the rest, take personal belongings and leave
9. Background update status, deduction
10. Self disinfection of sensory capsule
11. The cleaning personnel shall disinfect and replace the supplies again

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