

Smart Cube⁺

Fast-Assembling COVID-19 Prevention Olympic Village

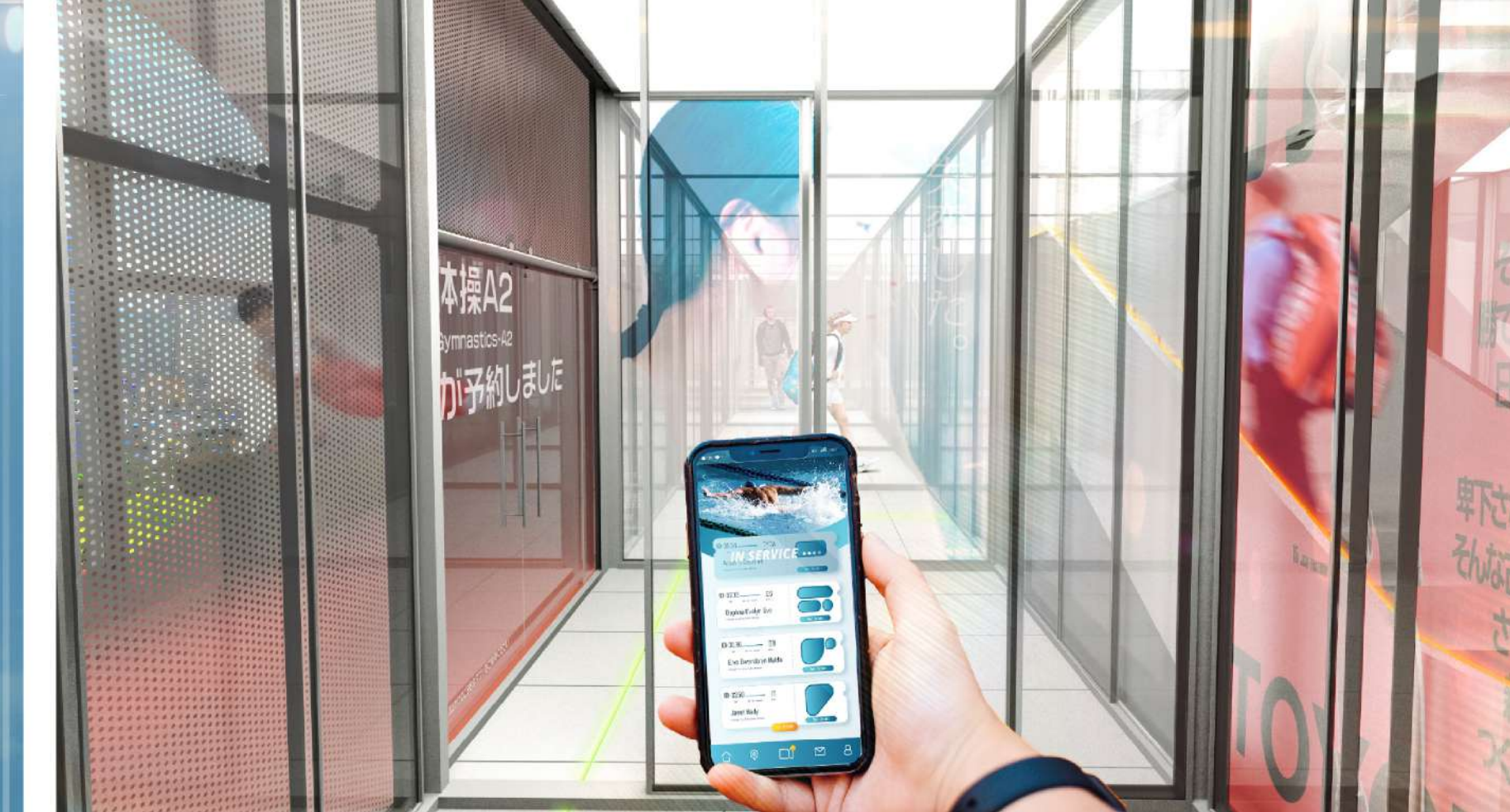
The need for body temperature detection will prove to be critical as olympic competition re-open. To mitigate any risks caused by the spread of the virus, technologies which allow for efficient scanning of temperatures as Athletes from different countries enter the building will be deployed. The integration of the body temperature detection with access control enables a highly secure and contactless solution.



Challenges to Athletes During the Home Confinement Caused by the COVID-19 Pandemic

Given that myocarditis is associated with sudden mortality in athletes, attention has turned to the risk of myocarditis following COVID-19 in athletic and highly active people. Researchers are seeking to establish the effectiveness of cardiac evaluation in stratifying athletes post-COVID-19 infection for fitness to return to training.

COVID-19 and Its Effect in Olympic Sport



Future of Indoor Navigation: Increasing Accuracy and Detail

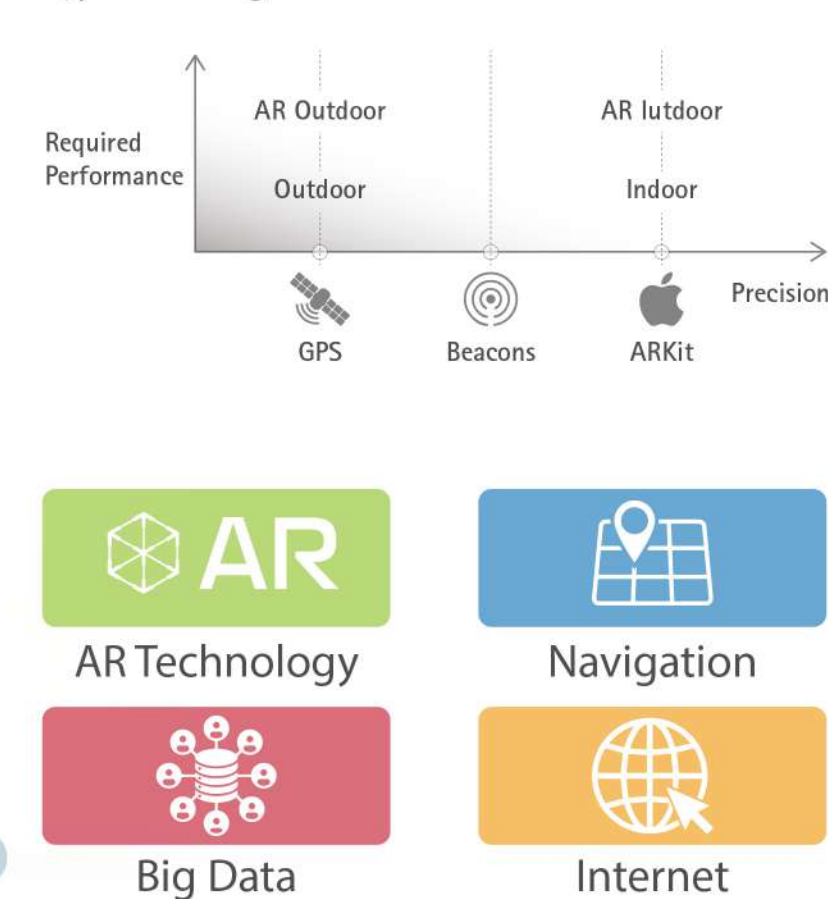
In the process of completing the above tasks, we also encountered some of the practical limitations of augmented reality. Learning about its strengths and weaknesses has allowed us to better understand this technology and to improve our engineering skills. After encountering various technical challenges, we ultimately completed our goal. We now have a fully functioning application that can provide turn-by-turn navigation to any room on one of our sport venue floors.



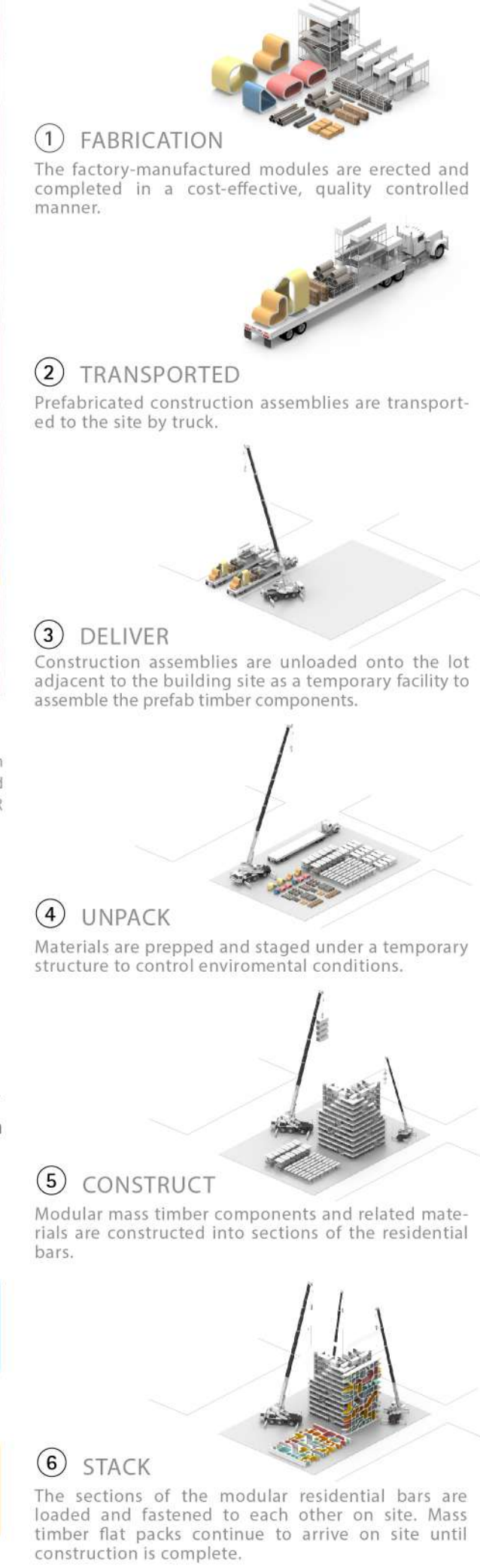
Developing Indoor AR Navigation Apps

We have built up a significant amount of knowledge and experience from working with augmented reality and its core features. We learned how AR tracks the world around it and how we can combine real and virtual worlds. We also have a strong understanding of how AR features can be used effectively for indoor navigation.

Types of Navigation



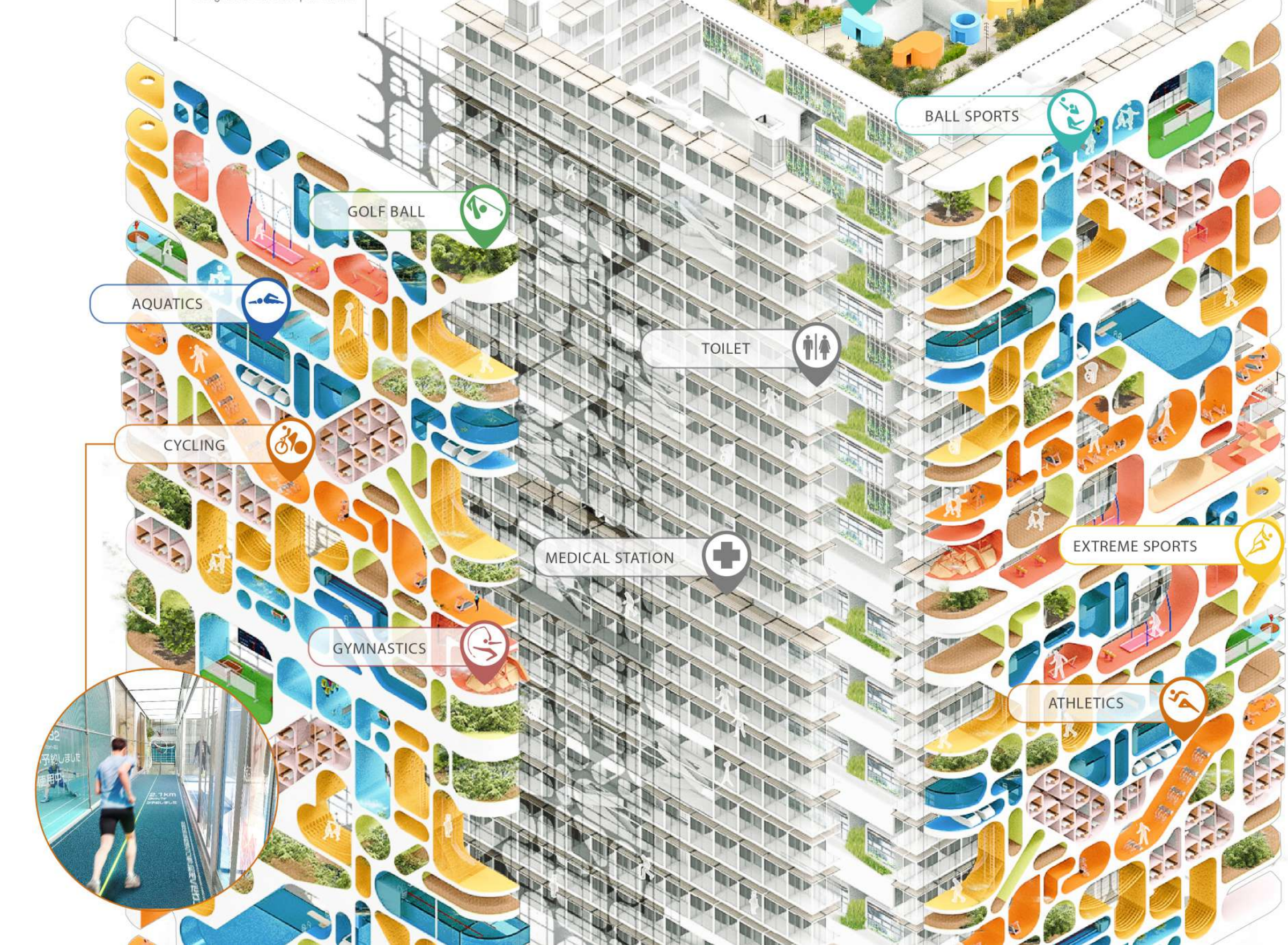
Procedure



Conditioning Training, Protecting Olympic Participants from Covid-19, Staying at Hotels and Accommodation Establishments

At this time, maintenance of a training routine is important for physical health. Regular exercise helps to boost and maintain immunity, which is essential to reduce the risk of a viral infection.

Hotels and other accommodations should have procedures for cleaning, disinfecting and ventilating the room properly between every guest's stay. These processes allow the accommodations to be used immediately afterward. If these procedures are followed, there is no need to leave the room empty between guests.



Reducing Infectious Disease Risks with Smart Building Technologies

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