



SUBMITTED BY: SMITHGROUP

DESIGN TEAM:

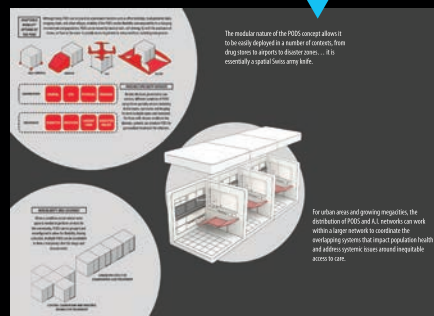
Alise Robles, Assoc. AIA, Architectural Designer (Los Angeles); **Stephen Parker**, AIA, NCARB, LEED AP BD+C, Architect (Washington, DC); **Holly Harris**, LEED AP BD+C, Architectural Designer (Chicago)

THE CONCEPT:

The next few decades will see an explosion in artificial intelligence (A.I.). Could nurses, doctors or even hospitals really become obsolete? On the other hand, what if A.I. can make these professionals' jobs easier and the health system more efficient and accessible? SmithGroup designers worked together to imagine what true potential lies in A.I. and how it could disrupt the healthcare industry—both for better and for worse—today, tomorrow and decades down the road. Our research teams imagined a world where it is the chassis for the entire industry—where patients can walk into their local drug store, step into a kiosk, be scanned for various conditions, and pick up prescriptions right on the spot. They foresee wearable devices that can scan for cancer, high blood pressure, diabetes and more. They imagined ways A.I. could complement already existing services, allowing healthcare professionals to be more effective. In short, they foresee an industry that uses technology to offer more thorough, more accurate and more comprehensive patient care.

SMITHGROUP

The adaptable PODS can be deployed in virtually any environment to support a more accessible, equitable healthcare system.



Artificial intelligence has the potential to address a wide range of issues, including access, convenience, efficiency and equity.

To be bold, we must use every opportunity to innovate care. Our health should not be held ransom for profit, freedom or lack of societal standing. Leveraging design and technology requires clear values to drive our work.

In the Age of A.I., healthcare design has the potential to address a wide range of issues:

- Provide opportunities for caregivers to work remotely via advanced, A.I.-assisted telehealth networks.
- Free clinical professionals from mundane tasks, allowing them to work at the top of their license.
- Leverage data to combat chronic diseases.
- Impact population health at multiple scales.
- Make care more accessible & equitable.

The SmithGroup PODS concept, MyHealth T&T and approach to A.I. integration addresses each of these issues by the year 2025.



The Driverless Clinic: Healthcare Design in the Age of A.I.

In the Age of A.I., healthcare design needs to evolve. Our autonomous, A.I.-powered PODS (personal, on-demand service) will allow greater access to healthcare for those in need. By knitting together the Internet of Things with collaborative A.I. networks, we can provide a more holistic and equitable approach to healthcare delivery and wellness. Our PODS design concept is equipped to respond to differing patient types and contexts, creating an adaptive healthcare infrastructure for the future.

presented by
SMITHGROUP

Alise Robles, Stephen Parker, Holly Harris

By knitting together collaborative A.I. networks, we can provide a more holistic and equitable approach to healthcare delivery and wellness.

The PODS autonomous A.I. can detect, diagnose and monitor individual health conditions as well as aggregate data to predict population health trends.



To better monitor and assess patients' health, we must go beyond wearables. Our MyHealth T&T constantly tracks the patient's vitals and proactively alerts her care team. This requires a cultural shift in thinking around sharing personal

