

# Improving Prosthetic Access in Low-Resource Settings: Exploring a Volume Manufacturing Systems Approach

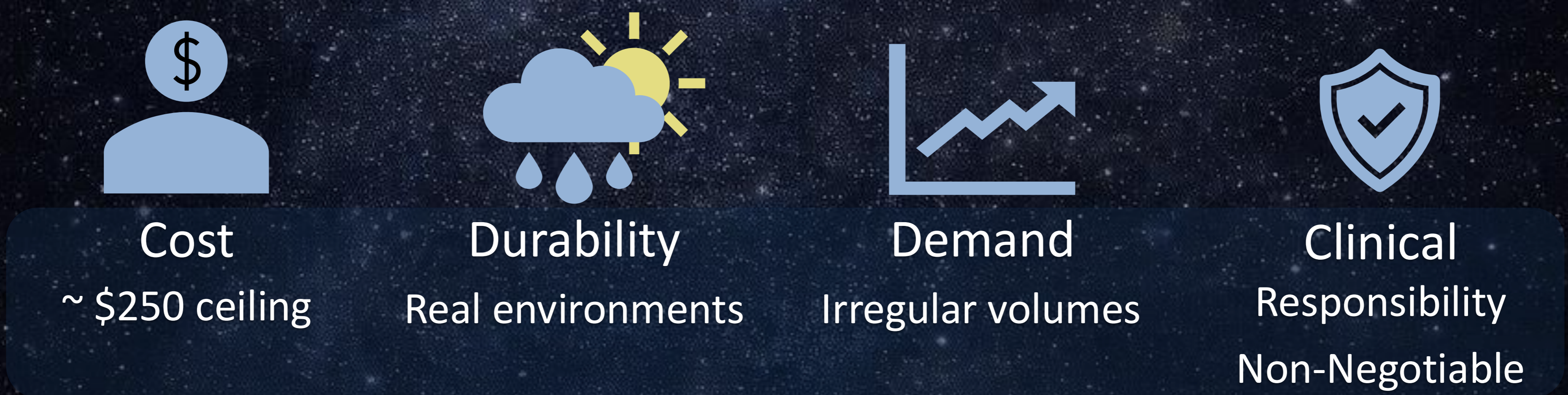
StepAgain is an early-stage concept exploring how systems thinking and digital manufacturing could improve access to prosthetics. This poster invites clinical critique, validation, and real-world testing.

Can systems thinking from volume manufacturing give clinicians another realistic option...

...to deliver *affordable*, high quality prosthetics in poorly resourced settings?

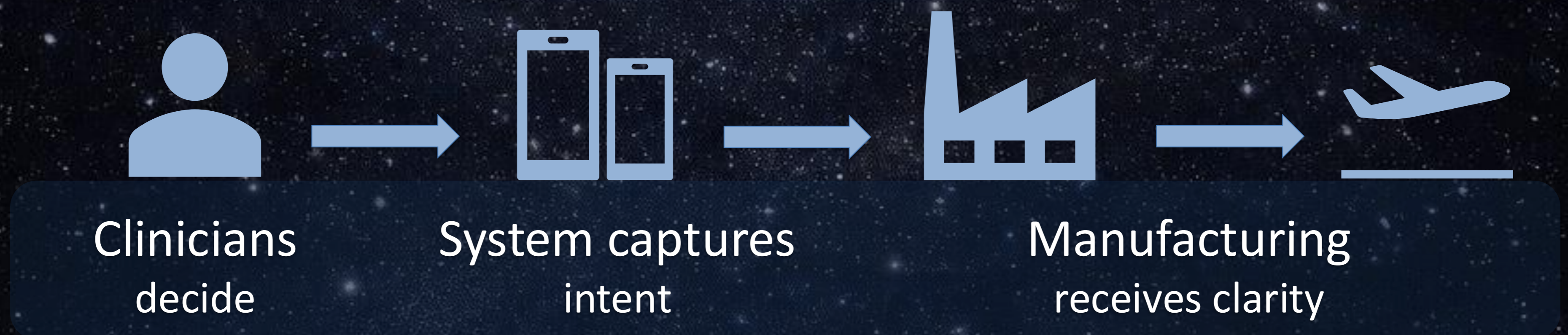


This is not a motivation problem - it is a systems problem. The system must work within these constraints:



## What StepAgain is exploring

A systems approach to capturing and translating clinical intent



Step 1: Capture patient data (mobile scan) Step 2: System translates into a production-ready design Step 3: Prosthetic produced and delivered

### Proposed Approach

StepAgain is a digital platform that enables clinicians to prescribe and order affordable, custom-manufactured prosthetics, with patient data captured digitally via a mobile device and sent directly to manufacturing partners for production and delivery. Sockets are tailor-made for each patient using 3D printing before assembly.

### Emerging Insights

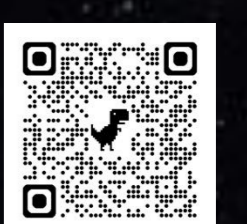
- Access barriers are driven more by system fragmentation than manufacturing capability
- Clinical intent is often lost between prescription and production
- Digital capture and direct manufacturing may reduce variability and cost



**PRICE IS NOT THE ENEMY. UNCERTAINTY IS.**

*System variability and fragmentation drive cost more than manufacturing itself.*

Video



### CURRENT STATUS:

- Early-stage concept – no clinical testing yet
- Systems hypothesis defined
- Enabled by scanning, connectivity, manufacturing

### HELP TEST THIS THINKING:

- Where would this fail?
- What would make it unsafe?
- Where could it work?

Scan to share your thoughts and get involved



Tony Wilson | StepAgain | [tony.wilson@stepagainglobal.com](mailto:tony.wilson@stepagainglobal.com)



+447813813660



<https://stepagainglobal.com>