

HEALTH TECH & SPACE SPRINT

FEBRUARY-JUNE 2023

PROBLEM STATEMENT

Access to space provides unique opportunities to create and refine technologies that provide benefit astronauts and Earth-dwellers alike, including in the areas of health and medicine. BryceTech, a leading technology management and acquisition support company for public and private sector clients, hired TechConnect to facilitate opportunities to develop technological advances at the intersection of health and space.

BryceTech sought emerging technologies and new concepts that leverage the space environment to transform health for astronauts or terrestrial populations. Potential pathways of interest included:

- APEX
- Biotechnology
- Bioprinting and Biomanufacturing
- Diagnostics
- Microgravity Grown Organs
- Pharmaceuticals
- Sensors
- Telehealth & Remote Monitoring

The sprint required that all proposed innovations be intended for use in space or take advantage of some aspect of the space environment to benefit terrestrial applications. However, technologies proposed were not required to have been used in space previously.

OUTCOME & RESULTS

Following a seven-week open period, TechConnect attracted 68 applicants and worked with BryceTech to narrow that pool to a nine finalists who pitched their solutions at TechConnect World Innovation Conference in Washington, D.C. The review panel consisted of representatives from the Space Generation Advisory Council, Option3, Sierra Space, Zero Gravity Solutions, and BryceTech. Not only did they ask meaningful questions in real time, but they also committed to provide a connection and advice to the companies. In the room, TechConnect attracts to its Conference attendees ranging from technical experts to corporate scouts, federal agencies, and investors. Presenters stood to gain new relationships with any or all of these from their platform.

11
COUNTRIES

68
ENTRIES

76%
STARTUPS

9
DIRECT
ENGAGEMENTS

1
WEBINAR

23
STATES

5
REVIEW
PANELISTS

49%
PROTOTYPE
STATUS