



THE PROBLEM

Astronauts represent one of the most costly human workforces so it is imperative to prioritise their health and well-being. Health monitoring in space and in remote workplaces have similar challenges of data transfer and coordination with controllers.

Merely measuring health in the present moment is insufficient; the ability to predict health outcomes is essential for risk reduction and to provide adequate time for intervention when needed.



THE SOLUTION

This project will develop and fly to ISS a space-qualified, integrated, sensing analysis communication tool to assess present and predictive health of humans in space and on earth.

These non-invasive Bluetooth sensors worn by astronauts will measure biomarkers in real-time and report current health while alerting to future negative possible health problems so intervention can be made. The sensor will be tested via parabolic flight and at the International Space Station (ISS).



RESEARCH CAPABILITY

ANU - Institute for Space (InSpace)

- National Space Test Facility.
- The Heavy Ion Accelerator Facility.
- Advanced Instrumentation and Technology Centre.
- Siding Spring Observatory.
- Australian Centre for Space Governance.
- Quantum Optical Ground Station.



PROJECT PARTNERS



Australian
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CONTACT DETAILS - PROJECT LEAD

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