



# Sensors for dense urban environments: an ‘Internet of military things’

With over half of the world’s population concentrated in cities and mega-cities, the Australian Defence Force must be prepared for combat in dense urban environments.

Technology which reduces unknowns during planning and improves situational awareness during an operation will provide a significant capability enhancement.

DST has partnered with the Adelaide-based company Myriota to develop a military-focused Internet of Things data terminal with direct-to-orbit communication capability. The terminals are small, light and can operate for multiple years on two AA batteries, making them ideally suited for distribution across an urban battlefield.

## Partnering opportunities

DST is seeking small, light and power-lean sensors to integrate with the terminals. The terminals will provide a common interface, with which the sensors must mate. This will allow easy interchange of sensors so the ADF can target specific data collection, such as environmental factors, vibration, chemical contamination.



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