



Our place in space

A new WAY for WA to play a leading role in the new space race

The vision

Play a critically important role in the burgeoning global space industry, including mission management and space situational awareness.



WA is ideally positioned to take advantage of the Commonwealth's new targeted focus on Australia's space industry

"The International Space Station is 400 kilometres above us and yet we manage the Pilbara from 1500 kilometres away"

Dr Megan Clark
Head of the Australian Space Agency



The time is now

Globally:

The global space industry is going through a renaissance, underpinned by new exploration and the increasing importance of space infrastructure to our modern lives

Locally:

Favourable geography, radio quiet zones and strong existing industry mean WA can play an outsized role as space activity intensifies

466 satellites launched in 2017

More than double the number launched in 2016



Global space industry projected to be

\$1.3 trillion

in 2040. Triple the size of the global industry today

Window to the southern sky

WA has 300 days of clear skies each year, and the advantage of being able to view the southern sky and over the Indian Ocean region



Radio quiet zone

The Australian and WA Governments have established a world-class radio quiet zone in WA's remote outback to preserve prime conditions for radioastronomy



166 million pieces of space debris

measuring less than 1cm currently pose a risk to future space activity and require monitoring

'The earth will continue to rotate and while it does the world will always need ground infrastructure in our latitude and longitude'

Prof Simon Driver ICRAR

30% of space infrastructure

WA has 30% of Australia's existing ground-based space infrastructure

Existing space agency presence

WA has a long history of providing services to NASA, ESA, and other foreign space agencies



3 million² kilometres

of Australia's night sky monitored by Curtin's Desert Fireballs Network (DFN) – which is expanding in partnership with Lockheed Martin

\$1 billion for the SKA

WA will host the low frequency component of the Square Kilometre Array, the largest and most powerful telescope ever built