

Canberra solar container communication station Supercapacitor Project





Overview

What is the Canberra deep space communication complex?

We manage and operate one of NASA's three tracking stations that provide continuous, two-way radio contact with spacecraft exploring our Solar System and beyond. Located at Tidbinbilla, just outside Australia's capital city, the Canberra Deep Space Communication Complex is one of three Deep Space Network stations around the world.

How many antennas are there at Canberra Space Station?

There are currently four antennas operating at the Canberra station: one 70-metre and three 34-metre radio dishes that receive data from, and transmit commands to, spacecraft on deep space missions. At 70-metres in diameter and the height of a 22-storey building, Deep Space Station 43 is the largest antenna in the southern hemisphere.

Why is Canberra getting a new antenna?

NASA's Deep Space Network just marked 60 years of interstellar communication with a groundbreaking new antenna in Canberra. As a crucial hub in the global network that talks to spacecraft across the solar system, Canberra is getting a high-tech upgrade to handle more data from future missions.

How big is Canberra's New Deep Space Station 33?

Canberra's newest addition, Deep Space Station 33, will be a 112-foot-wide (34-meter-wide) multifrequency beam-waveguide antenna.



Canberra solar container communication station Supercapacitor Pro

About Canberra Deep Space Communication Complex

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Engineering:Canberra Deep Space Communication Complex

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Tracking Spacecraft with Canberra Deep Space Communication ComplexResearch with Canberra Deep Space Communication ComplexFast Facts About Canberra Deep Space Communication Complex The Complex is a NASA facility managed by CSIRO on behalf of the Australian Government; it operates through a government-to-government, treaty-level agreement. Activities of the Deep Space Network are coordinated by NASA's Jet Propulsion Laboratory in California. The Canberra station was officially opened on 19 March 1965; it was then known as the Tidb... The Complex is a NASA facility managed by CSIRO on behalf of the Australian Government; it operates through a government-to-government, treaty-level agreement. Activities of the Deep Space Network are coordinated by NASA's Jet Propulsion Laboratory in California. The Canberra station was officially opened on 19 March 1965; it was then known as the Tidbinbilla Deep Space Instrumentation Facility. Tidbinbilla was chosen as the location for the Australian facility because it is close to the capital Canberra, and hills shield the site from radio-frequency interference. See moreNew content will be added above the current area of focus upon selectionSee more on csiro ProactiveAustralia to host next-generation deep space ... Apr 11, 2025 · Australia's key role in global space exploration has been reaffirmed with the construction starting on a new, state-of-the-art ...



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