

## Heard and McDonald Islands eagle solar power

Where are Heard Island and McDonald Islands located?

The islands are a territory (Territory of Heard Island and McDonald Islands) of Australiaadministered from Hobart by the Australian Antarctic Division of the Australian Department of Climate Change, Energy, the Environment and Water.

## Why are Heard Island and McDonald Islands isolated?

However, the site's isolation assists in reducing anthropogenic impacts upon the site's values. Heard Island and McDonald Islands are located in the Southern Ocean, approximately 1,700 km from the Antarctic continent and 4,100 km south-west of Perth.

Is there a threat to Heard Island and the McDonald Islands?

Ongoing and accelerating climate change poses an increasing risk of fundamental alterations in biodiversity. Geological processes (primarily volcanism and glacial retreat) continue undisturbed. The overall assessment is that there is a low threatto the World Heritage values of Heard Island and the McDonald Islands if visitation remains low.

How big is Heard Island & McDonald Islands?

The group's overall land area is 372 km 2 (144 sq mi)and it has 101.9 km (63 mi) of coastline. Discovered in the mid-19th century,the islands lie on the Kerguelen Plateau in the Indian Ocean and have been an Australian territory since 1947. Heard Island and McDonald Islands contain Australia's only two active volcanoes.

What is the difference between McDonald Island and Heard Island?

Heard Island is approximately 362.5 km2 in areaand is 43 km long and 21 km wide. The McDonald Islands are a group of uninhabited rocky islets, which are 2.6 km2 in total areaand are 40 km west of Heard Island.

What's happening on Heard Island & McDonald Islands?

Landing stores, Atlas Cove, Heard Island with Rogers Head in background Photo: Alan Campbell-Drury Due to the extreme isolation of Heard Island and McDonald Islands (HIMI), together with the persistently severe weather and sea conditions, human activities in the region have been, and remain, limited.

Eagle Shadow Mountain Solar PV Park is a ground-mounted solar project which is planned over 2,200 acres. The project is expected to generate 900,000MWh electricity and supply enough clean energy to power 180,000 households. The project is expected to offset 600,000t of carbon dioxide emissions (CO2) a year.



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Island and McDonald Islands group show unique evolutionary adaptations to the environment, and several other invertebrate groups provide opportunities to study evolutionary processes in undisturbed populations at the southern limits

OverviewAdministration and economyHistoryGeographyWildlifeSee alsoFurther readingExternal linksThe United Kingdom formally established its claim to Heard Island in 1910, marked by the raising of the Union Flag and the erection of a beacon by Captain Evensen, master of the Mangoro. Effective government, administration and control of Heard Island and the McDonald Islands was transferred to the Australian government on 26 December 1947 at the commencement of the first

The volcanically active islands of Heard and McDonald are in the Southern Ocean, 1700 km from the Antarctic continent, as part of Australian territory. They are one of the most pristine ecosystems in the world, with complete absence of alien animal and vegetal species and with minimal impact from human activities.

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Heard Island and McDonald Islands are located in the Southern Ocean, approximately 1,700 km from the Antarctic continent and 4,100 km south-west of Perth. As the only volcanically active subantarctic islands they "open a window into the earth", thus providing the opportunity to observe ongoing geomorphic processes and glacial dynamics.

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Heard Island - 80% ice-covered, bleak and mountainous, dominated by a large massif (Big Ben) and an active volcano (Mawson Peak); McDonald Islands - small and rocky



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Personnel usually split into project-specific groups, accommodated in huts or tents at Spit Bay, Atlas Cove and other minor camps distributed across the island. Power is supplied by small diesel generators, solar cells and wind generators.

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