



Heard and McDonald Islands smarter grid

Where are the Heard and McDonald Islands located?

The Heard and McDonald Islands are remote subantarctic volcanic features located in the Southern Ocean, halfway between Australia and South Africa. They are approximately 1700 km from the Antarctic continent and 4000 km southwest of mainland Australia (Australian Government 2016). Heard Island is 43 km long and 21 km wide.

How big is Heard Island & McDonald Islands?

The group's overall land area is 372 km² (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.

Why should you visit Heard and McDonald Islands?

Welcome to the guide for Heard and McDonald Islands, a remote archipelago in the Southern Indian Ocean. These islands are an untouched paradise offering unique landscapes, diverse wildlife, and rich history. Please note that tourism is highly regulated due to the fragile ecosystem and the territorial disputes. 2. Geography and History

What is the history of Heard Island and McDonald Island?

General map of Heard Island and McDonald Islands. Periodic Australian research expeditions have been made to Heard Island since the Australian ANARE station was closed in 1955, and occasional visits have also been made by other nations. There are only two brief recorded landings at McDonald Island, in 1971 and 1980.

Why are the McDonald Islands important?

The McDonald Islands are a collection of small islands with limited vegetation and no permanent inhabitants. They are important for seabirds, particularly wandering albatrosses that breed here. 3. Climate and Wildlife Heard and McDonald Islands have a subantarctic climate characterized by cool summers and freezing winters.

Does Heard Island have a harbour?

Heard Island and the McDonald Islands have no ports or harbours; ships must anchor offshore. The coastline is 101.9 km (63.3 mi) in extent, and a 12 nmi (22 km) territorial sea and 200 nmi (370 km) exclusive fishing zone are claimed. [2]

A Ilha Heard e as Ilhas McDonald (nome oficial: Território das Ilhas Heard e McDonald), [1] [2] [3] um território externo australiano que compreende um grupo vulcânico de ilhas antárticas inabitadas e desabitadas, localizadas no oceano Índico, a cerca de dois terços do caminho de Madagascar para a Antártida. A área total do grupo de 372 km²; e tem 101,9 km de litoral.



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Heard Island and McDonald Islands Heard Island and McDonald Islands are uninhabited, barren, Subantarctic islands in the Southern Ocean, far due south of India and roughly 400 km southeast of Kerguelen of the French Southern and Antarctic Lands.

OverviewWildlifeHistoryGeographyAdministration and economySee alsoFurther readingExternal linksThe islands are part of the Southern Indian Ocean Islands tundra ecoregion that includes several subantarctic islands. In this cold climate, plant life is mainly limited to grasses, lichens, and mosses. Low plant diversity reflects the islands' isolation, small size, severe climate, the short, cool growing season and, for Heard Island, substantial permanent ice cover. The main environmental deter...

Language: Name: Name source: English: Australian Exclusive Economic Zone (Heard and McDonald Islands) Flanders Marine Institute (2023). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 12.

????????? (????????????????????Heard Island and McDonald Islands :HIMI) ?????????? 1947????????? 1997?????????()?????

Map showing Australia's Maritime Jurisdiction around Heard Island and McDonald Islands, including a portion of the AAT. Lambert Conformal Conic Projection, WGS84 Datum, Central Meridian 76°194;#176;E, Standard parallels 50°194;#176; and 65°194;#176;S. One of the 27 constituent maps of the 'Australia's Maritime Jurisdiction Map Series' (GeoCat 71789). Depicting Australia's extended ...

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Make better use of smart grid Big Data. Power utilities own or can access huge volumes of data from smart metering systems, synchrophasors, smart homes and other sources of data. In addition, most of the power utilities infrastructure is becoming smarter and has built-in processing, connectivity, and sensing capabilities.

Mawson Peak on Heard Island is the highest Australian mountain (at 2,745 meters, it is taller than Mt. Kosciuszko in Australia proper), and one of only two active volcanoes located in Australian territory, the other being McDonald Island; in 1992, McDonald Island broke its dormancy and began erupting; it has erupted several times since, most recently in 2005

The Territory of Heard Island and McDonald Islands (abbreviated as HIMI) are an Australian external territory and volcanic group of barren Antarctic islands, about two-thirds of the way from Madagascar to Antarctica.The group's overall size is 372 square kilometres (144 sq mi) in area and it has 101.9 km (63 mi) of coastline. Discovered in the mid-19th century, they have been ...

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Heard Island and McDonald Islands in the Southern Ocean A map of Heard Island and McDonald Islands. Heard Island, by far the largest of the group, is a 368-square-kilometre (142 sq mi) mountainous island covered by 41 glaciers [21] (the island is 80% covered with ice [1]) and dominated by the Big Ben massif has a maximum elevation of 2,745 metres (9,006 ft) at ...

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

Miovision Adaptive adapts in real-time to changing traffic by optimizing traffic flows every second across not just arterials and corridors, but also complex urban grid networks.

Towards a self-healing, fully automated grid. Smart and embedded systems that combine distribution management systems, advanced metering infrastructure and data from substation gateways to shape the grid ...

What we have now I call the "Smarter Grid". John McDonald was in sixth grade when he realized he wanted to be an electrical engineer. A half century later, he is a legend in the industry. McDonald is an active member of the IEEE Power & Energy Society, a subcommittee chair of the society's Long Range Planning Committee, and a mentor to ...

The activity on the McDonald Islands group resulted in the island doubling in size and increasing in elevation by about 100 m (Australian Government 2016). Along with the ...

Satellitbild av sydspetsen av Heard Island. Kap Arkona ses på vänster sida av bilden, med Lied Glacier strax ovanför och Gotley Glacier strax nedanför. Big Ben Volcano och Mawson Peak ses längst ned till höger på bilden. Heard- och McDonaldöarna, Heard and McDonald Islands, är en obebodd australisk ögrupp i södra Indiska oceanen.

The Australian subantarctic Heard Island and McDonald Islands (HIMI) Marine Reserve is among the world's most remote MPAs with notoriously harsh oceanographic ...

The measure will protect the diverse wildlife of Heard and McDonald Islands from commercial fishing and mining. Conservation groups welcomed the announcement but said the Government "missed an ...

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Towards a self-healing, fully automated grid. Smart and embedded systems that combine distribution



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management systems, advanced metering infrastructure and data from substation gateways to shape the grid similar to the internet, with the ability to self-diagnosis and self-healing - that's the vision of many in the smart grid industry.

Management plans also explain what the objectives are for managing the area, and what the managers will do to help meet those objectives.. It is a requirement of the Environment Protection and Biodiversity Conservation Act 1999 (the EPBC Act), under which the Heard Island and McDonald Islands (HIMI) Marine Reserve was declared, that a management plan be prepared ...

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Heard Island and McDonald Islands are uninhabited, barren, Subantarctic islands in the Southern Ocean, far due south of India and roughly 400 km southeast of Kerguelen of the French Southern and Antarctic Lands.The islands are administered by Australia and listed as a UNESCO World Heritage site.Although it's administered by Australia, the islands are approximately 4,000 ...

The heart of the system features Smarter Grid Solutions' ANM Strata programme, along with Nexant's Grid360 and iEnergy for analytics, and GreenSync's deX back-end marketplace. Analysts at consultancy firm Wood Mackenzie said the new electricity network control system is "among the most advanced in the world", with implications for ...

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