



LITHIUM

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Making the future possible

Australian Mining

Produced by the Minerals Council of Australia



Australia's resource

18%

Share of world lithium resources in 2016

18,700 t

Australia's annual production of lithium in 2017



3rd

Largest share of world lithium resources in 2016

43,000 t

Global production of lithium in 2017

Economic contribution



1st

Australia is the world's largest lithium producer

\$601m

Value of mined lithium in Australia in 2016-17



Lithium is used in batteries because it is extremely light and energy dense. Production of an electric car battery pack requires up to 63kg of lithium.

Lithium at work



Armor plate



Lubricant



Batteries



Mental health



Industrial drying



Pacemaker

DID YOU KNOW?

An Australian POW discovered the medicinal power of lithium in 1949. Dr John Cade survived three and a half years at Changi before returning to his work in Australia where he successfully treated patients after noting the calming effects on guinea pigs.

Properties

Discovered
Melting point
Density
Conductivity
Malleability



1817
180.5°C
0.534 g/cm³
High
High