

RARE EARTHS Making the future possible makingthefuturepossible.info

Produced by the Minerals Council of Australia

Largest share

of world rare earth

resources in 2016

Australian Mining

11%

Rare earths are abundant in nature (in spite of their name) but are difficult to extract. The only

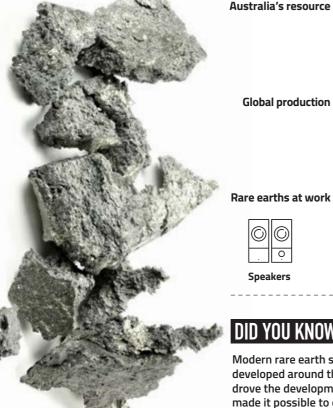
Australian rare earths mine is at

Mount Weld (near Laverton) in WA.

Australia's share

of world rare earths

production in 2016



Australia's resource

Global production

3% Share of world rare earth element resources in 2016

130,000 t

Global rare earth element production in 2017

81% China is the largest producer of rare earth elements

20,000t

Australia's production

of rare earth oxides

in 2017

Telescopes

MRI screening



Hvbrid cars

High-shine touchscreens

Magnets

DID YOU KNOW?

Speakers

Modern rare earth separation processes used today were developed around the time of WWII. The Manhattan Project drove the development of the ion exchange method which made it possible to extract plutonium for atomic bombs.

Wind turbines



Cerium

Cerium oxide gives smart phones and tablets, as well as some televisions and computer screens, their highly polished glass screen finish.

Sources: Geoscience Australia: USGS

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