

Rocklea resource renewal demonstration plant



Sims Resource Renewal global programme

To help achieve our purpose, create a world without waste to preserve our planet, Sims Resource Renewal is aiming to build a number of resource renewal facilities globally by 2030. Our first facilities are planned for Australia in the states of Queensland and Victoria.

At our facilities we will be taking the material left over following the recycling of cars and end of life consumer goods, known as Automotive Shredder Residue or ASR, and rather than throwing it away, use it as a resource to produce valuable products.

As part of our global programme of facilities, by 2030 we aim to use more than one million tonnes of ASR each year to create new products.

These products may include hydrogen for industrial use; olefins, the building blocks of plastics; and key by-products like aggregates for the construction industry and high-quality carbon dioxide that will be on-sold for commercial use.

Our focus is on delivering a leading circular business model that creates value for our business and society.

About our Rocklea demonstration plant

Our demonstration plant is an important step in our global programme as it will enable us to undertake operational testing prior to commercial resource renewal facility construction and operations. It will also allow us to show stakeholders how our unique resource renewal process works.

The location chosen for our demonstration plant is at our existing metal recycling operation at 148 Dunn Road, Rocklea, Queensland. We have been operating our metal recycling facility at Rocklea since the 1960s. We are proud to be a member of the local community providing employment, economic development and recycling services.

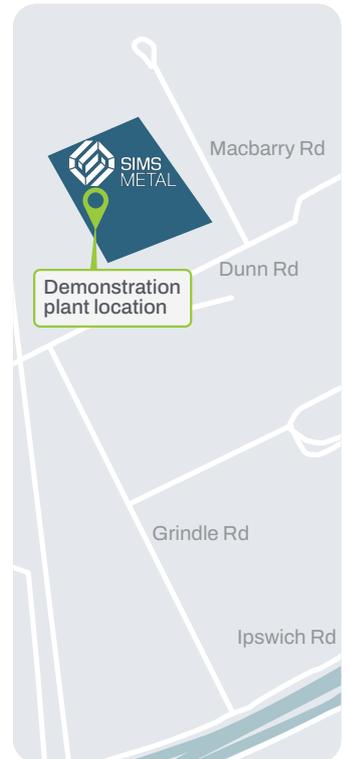
What does the demonstration plant involve?

The demonstration plant is a highly controlled facility that has been specifically designed to demonstrate our unique process and for operational testing. It uses the same proven, plasma gasification technology as will be used on the front end of our commercial facilities, however on a smaller scale.

Our process does not involve incineration and does not produce the types of problematic emissions that some other forms of technology can create.

The operational test results secured from the plant, including the syngas and vitrified material outputs, will be used as input into our targeted product development process. The types of products we are investigating include aggregates for construction materials, hydrogen, carbon dioxide and olefins, the building blocks for plastics.

The development permit and environmental authority were issued for the demonstration plant in 2021. We expect the plant will be operational towards the end of calendar year 2022.



Located in Queensland



At this demonstration plant we will undertake operational testing of our unique process



Planning and environmental approvals have been secured

What is ASR?

ASR is what remains once recoverable materials have been removed following the recycling of metal-based goods like cars, washing machines, and shopping trolleys. ASR is currently sent to landfill.

It typically includes plastics, fabrics, insulation, foam, rubber and wood. Dirt, sand and stones may also be present in small amounts.



FOAM



PLASTICS



RUBBER

ASR



WOOD



DIRT, SAND, ROCK



FABRIC



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Partnering for change

When we say we are a partner for change, we mean it. Sims Resource Renewal is committed to working in partnership with our communities and creating real opportunities for involvement.

This includes undertaking genuine engagement during resource renewal facility design, construction, and operations.

Through our investment in state-of-the-art resource renewal facilities, we're proud to create new jobs and investment in the communities where we operate.

We are also working to develop sustainability initiatives in partnership with our local communities to promote the value of, and opportunities from, the circular economy. Our sustainability strategy, including our commitment to decarbonisation, enables this purpose, creating sustainable growth for our businesses and for our clients.

Get involved

We would welcome the opportunity to talk with you further. Please get in touch with us at:

info.srr@simsmm.com

1800 570 530

For more information please head to our website:

www.simsrr.com/global-programme/queensland

(this is available in multiple languages).

About Sims Resource Renewal

As a division of Sims Limited, Sims Resource Renewal shares the same purpose: to create a world without waste to preserve our planet.

We support this purpose by taking the material left over following the recycling of cars and end of life consumer goods, known as Automotive Shredder Residue (ASR), and using it as a resource to produce valuable products instead of sending it to landfill.

By 2030, we aim to use more than one million tonnes of ASR each year to create new products.

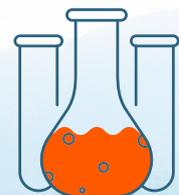
These products may include hydrogen for industrial use; olefins, the building blocks of plastics; and key by-products like aggregates for the construction industry and high-quality carbon dioxide that will be on-sold for commercial use.

This means we are helping Sims Limited close its operating loop. We are also helping our customers be more sustainable by supporting the use of recovered content in their products, and the use of hydrogen in place of fossil fuel for transport.

About Sims Limited

Founded in Sydney in 1917, Sims Limited is an ASX 200 listed company. A global leader in sustainability, we are helping the world by providing products and services that address key decarbonisation and circularity challenges through our portfolio of businesses.

With more than 250 facilities globally and operations across 15 countries, we are well-positioned to deliver our purpose: create a world without waste to preserve our planet.



Learn More

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