



# Campbellfield resource renewal facility

## A state-of-the-art resource renewal facility

To help achieve our purpose, create a world without waste to preserve our planet, Sims Resource Renewal is aiming to build 11 resource renewal facilities globally by 2030.

At these facilities we will re-use the shredded material left over from processing old goods such as cars, trolleys and home electrical appliances, which currently goes to landfill.

The location chosen for our first resource renewal facility is next to our existing metal recycling operation at 1904 Hume Highway, Campbellfield, Victoria.

We have been operating a metal recycling facility in Campbellfield since the late 1960s. We are proud to be a member of the local community providing employment, economic development and recycling services.

*We are taking responsibility for our own waste now so it is not left for future generations to manage.*

## What does the proposed facility involve?

The proposed facility will enable us to immediately reduce our environmental footprint by transforming the more than 60,000 tonnes of shredded material left over following our metals recycling process and taken to Victorian landfills every year, into new, useful products.

The advanced, proven technology we will use to transform this shredded material is known as plasma gasification and operates safely around the world. This technology heats the shredded material and transforms it into a mixture of clean gases known as synthesis gas (syngas). A “glass like” product is also created. Importantly this technology does not burn the shredded materials and does not produce the types of problematic emissions that some older forms of technology create.

Initially electricity to power our own facility and neighbouring metals recycling operation will be produced. We will also use the “glass like” material to create an aggregate product used for construction.

This will enable us to immediately take responsibility for our waste, while investing in the critical research and innovation required to improve the technology needed to create a truly circular business model.

As we improve our technology, we will be able to move to a focus on producing the building blocks of recycled plastics.

*Modern plasma gasification technology is used safely around the world and our designs will be based on European emissions standards, the current global emissions benchmark.*

## About the project



Located in Victoria



Generate electricity to power our own facilities



Decrease in trucking distance travelled in Victoria



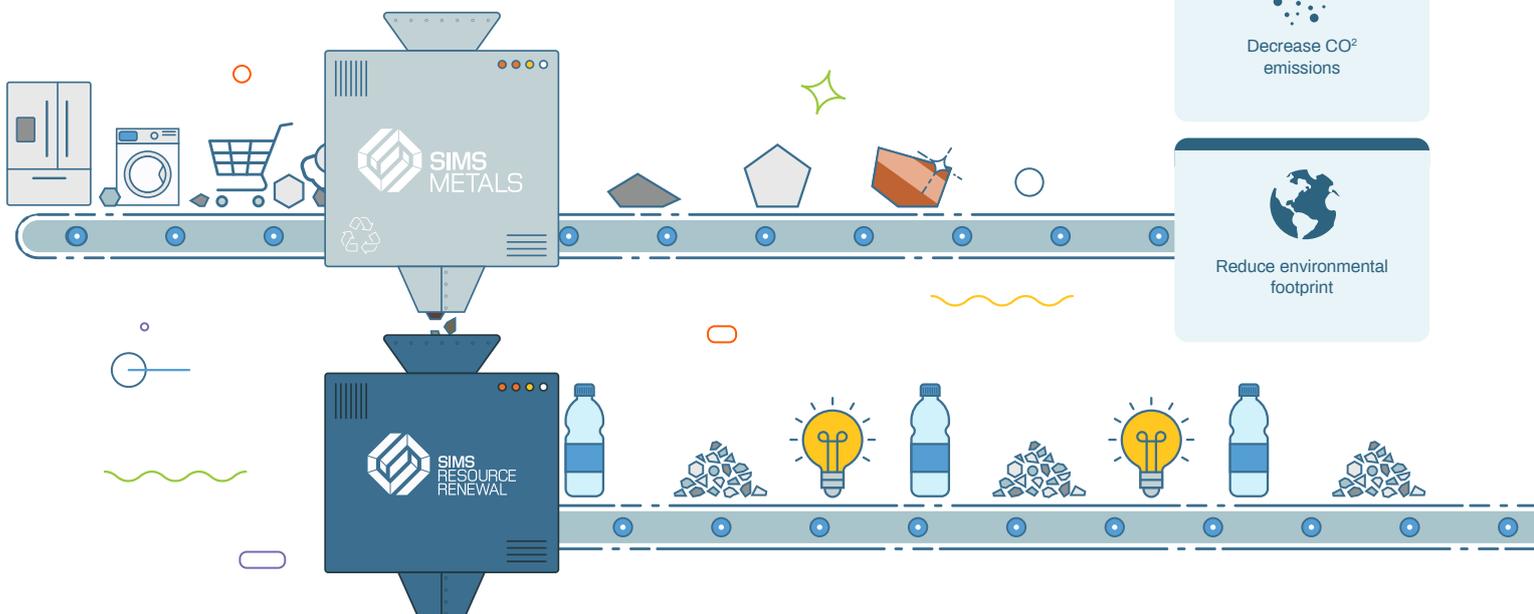
Estimated 60,000 tonnes of ASR diverted from landfill every year



Decrease CO<sup>2</sup> emissions



Reduce environmental footprint



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## What environmental and economic opportunities will be created through the facility?

In addition to immediately stopping 60,000 tonnes of shredded material going to landfill every year in Victoria, we will reduce trucking distance travelled on Victorian roads.

We will also generate employment and industry development opportunities through the creation of about 100 jobs during construction and 20 during operations, and a focus on local procurement.

Importantly our research and development will help position the facility globally as a leading centre for resource renewal and circular economy initiatives.

The facility will help us advance towards our goal of carbon neutrality as we will optimise the design of our technology so that we can produce a cleaner form of electricity than currently available through the grid to power our own resource renewal facility and neighbouring metals recycling facility.

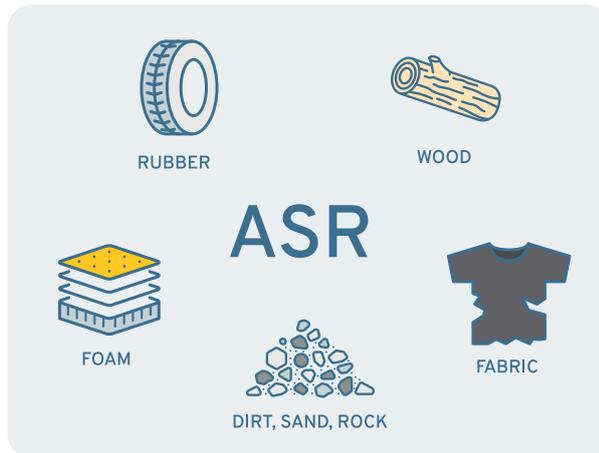
As we improve the technology available to us, we will reduce our carbon footprint further because we will be able to capture the carbon present in the shredded material to create new products which may include the building blocks of recycled plastics.



## What is shredded material?

Shredded material, commonly known as “ASR”, is what is left over once we have removed all recoverable materials as part of our metal recycling process. To be able to re-use this material further we need to treat it through our resource renewal process.

ASR is a safe material and is typically made up of fabrics, plastic, wood, foam and sometimes even dirt and stones.



## Project status

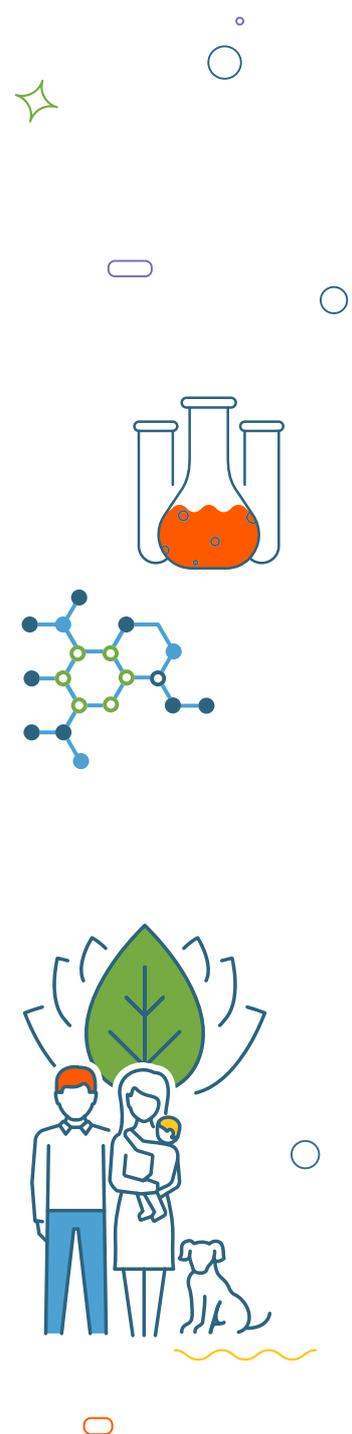
We are now commencing community and stakeholder engagement, undertaking environmental studies and engineering design, and progressing environmental and planning assessment processes. This will include applying for a works approval through the Environment Protection Authority Victoria and for planning permission through Hume City Council.

We can only progress to construction of the facility after gaining all required environmental and planning approvals.

## Partnering for change

Sims Resource Renewal is committed to working in partnership with our local communities.

We have created a structured engagement program so local community members and other interested stakeholders can get involved. We are also investing in sustainability and social value programs that we will develop in partnership with the local community.



## Get involved

We would welcome the opportunity to talk with you further about how you can participate in our proposal and hear your feedback. Please get in touch with us at [info.srr@simsmm.com](mailto:info.srr@simsmm.com) or through our hotline on 1800 570 530 or for more information please head to our website [simsmm.com/projects/campbellfield](https://simsmm.com/projects/campbellfield) (this is available in multiple languages).

## About Sims Limited

Sims Limited, a proudly Australian company, is a global leader in metal and electronics recycling, and an emerging leader in municipal recycling and renewable energy industries. With more than 200 facilities and operations in 15 countries - primarily in Australasia, North America and Europe - Sims plays an integral role in the circular economy by making resources available for future use. Over the last decade, Sims has recycled in excess of 110 million tonnes of ferrous and non-ferrous materials. Our purpose, create a world without waste to preserve our planet, is what drives us to constantly innovate and offer new solutions in the circular economy for consumers, businesses, governments and communities around the world.

## About Sims Resource Renewal

As a division of Sims Limited, Sims Resource Renewal is a leading circular business that operates in line with the waste hierarchy. We plan to design and build 11 resource renewal facilities around the world by 2030 so we can take the shredded material left over following the metal recycling process and currently taken to landfill to create valuable products for society. We aim to transform one million tonnes of shredded material into new products every year by 2030.

Through Sims Resource Renewal we will take responsibility for our own waste now, so it's not left for future generations to manage.

The products we create will depend on where the resource renewal facility is located and local market requirements. At our first facility, initially we will create aggregates for construction material and electricity to power our own operations. As our technology advances we will shift to producing the building blocks for recycled plastics.



Aggregates for construction materials



Electricity to power our resource renewal facility and co-located operations



The building blocks for recycled plastics

Proven, safe, environmentally state-of-the-art technology is used to develop our facilities.

