



METALLURGICAL SILICON PRODUCTION FACILITY



Solquartz

Solquartz and Private Energy Partners (PEP) are proposing to build a Metallurgical Silicon Production Facility within the Lansdown Eco-Industrial Precinct (LEIP) at Woodstock, about 40km south of Townsville.

This Queensland Government Prescribed Project will process quartz from North and North West Queensland to make metallurgical silicon.

The proposed production facility will use Queensland's minerals and renewable energy to build a resilient, ethical and sustainable Australian-made supply chain.



Leveraging North Queensland's abundant natural resources

The production facility will be delivered in three stages to produce up to 150,000 tonnes of metallurgical grade silicon annually, for more than 30 years. The facility will be designed to produce and use sustainably sourced plantation wood chips and charcoal to convert Queensland-mined quartz into metallurgical silicon. This silicon will be suitable to make a range of solar power products and electronic equipment. Large quantities of this type of silicon are also used in the aluminium and computer industries.

The proposed Metallurgical Silicon Production Facility will include a smelter, like the type used in the iron and steel industry. This is an energy-intensive process that requires a sustainable and consistent power source. Solquartz and PEP are therefore proposing to build a co-located Battery Energy Storage System (BESS), Supernode North. Supernode North will support the facility to operate efficiently and reliably, using renewable energy.

Metallurgical Silicon Production Facility at a glance

- Delivered over three stages
- To produce up to 150,000 tonnes per annum of metallurgical grade silicon
- Will process Queensland-mined high-purity quartz
- Low-carbon production using sustainably sourced plantation wood chips and charcoal

Preliminary work is well underway

- Feasibility studies, including identifying nearby renewable energy generation options, are ongoing with results expected in 2025 and 2026.
- The project site, within the LEIP, has been secured under an option for a long-term lease with an ability to extend.
- Environmental surveys have confirmed the site can be used with minimal disturbance to ecological values, including native fauna. An *Environment Protection and Biodiversity Conservation Act 1999* (EPBC) referral has been submitted to the Commonwealth Government.

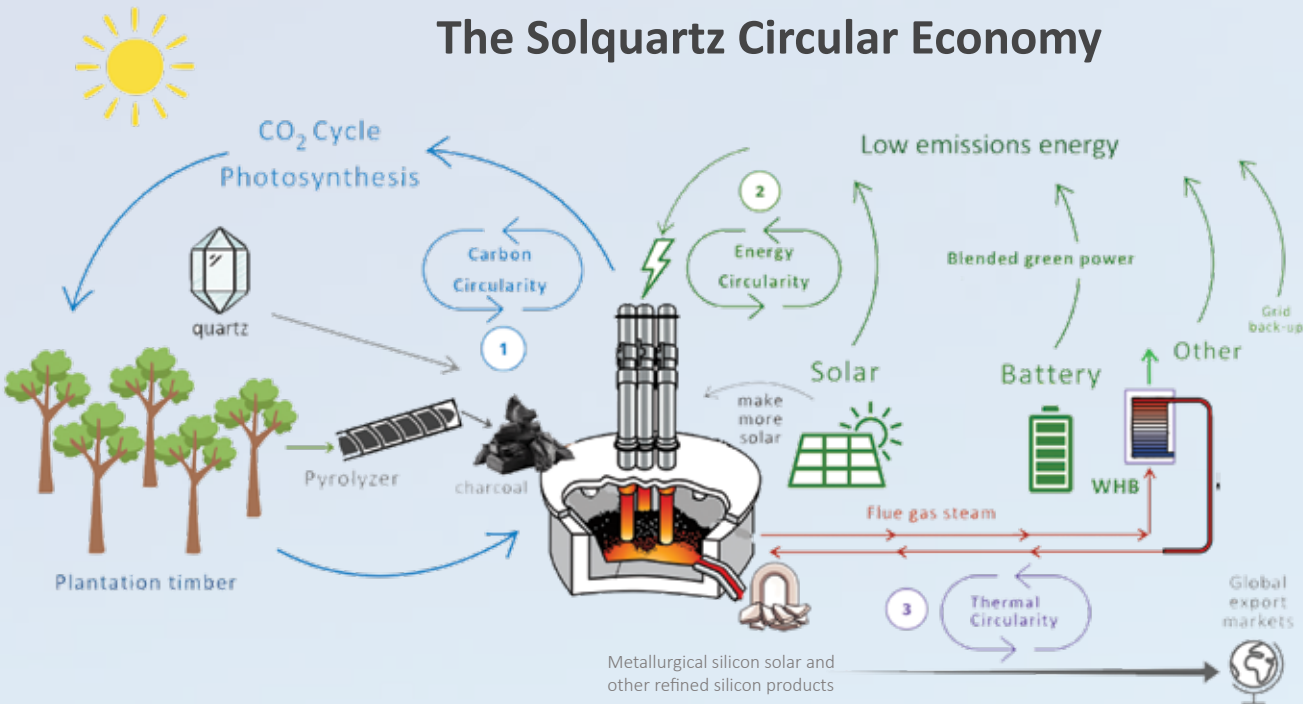


Working with the local community

Being a good neighbour and an active member of the Woodstock and Townsville communities is important to Solquartz and PEP. As the project progresses, we will keep our neighbours and the broader community informed, listen to feedback and address any concerns as they arise. In addition to providing local jobs, training and business opportunities, we will look for ways to bring benefits to the area through our Community Partnership Program.

This program will be developed in consultation with the community as part of our project planning. We will also work with local First Nations people to develop long-term collaborative relationships. If you have ideas about how we can add value to the community, please let us know by emailing us at info@solquartz.com.au or calling 1800 975 039.

The Solquartz Circular Economy



Project Components

- Metallurgical Silicon Production Facility
- Supernode North
- Project Site

LEIP Components

- Lansdown Eco-Industrial Precinct
- TCC Rail Siding
- Existing Rail Line
- Existing Natural Gas Pipeline
- Existing Electrical Transmission
- New Electrical Transmission



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About Us

Solquartz is a Queensland-based portfolio company of Quinbrook Infrastructure Partners (Quinbrook), which aims to produce sustainable and ethically sourced silicon for critical industries.

PEP is an affiliate enterprise of Quinbrook and Quinbrook's dedicated development, delivery and operations service provider, specialising in energy and infrastructure projects across Australia, the US and UK.

Quinbrook is a global business founded in 2015 by Queenslanders who have invested in more than 200 low carbon, renewable, storage and critical minerals projects over the past 25 years. Quinbrook has invested in Solquartz, which is the project proponent.

Find out more

For more information about this project, scan the QR code to visit our website, solquartz.com.au, email info@solquartz.com.au or call us on 1800 975 039.

