

## About Sinova Global



## at a glance

Our vision is to be the leading North American supplier of high-purity silicon metal, a critical component of a low carbon, green economy.

Our mission is to generate attractive, sustained financial returns and to demonstrate benefits to society by providing an essential building block to industries at the forefront of a global transition to sustainable energy. We aim to achieve our mission by supplying silicon metal products that are vital to the production of electric vehicles, computer chips and photovoltaic solar cells.

We believe our operations can provide valuable benefits to surrounding communities in terms of direct employment, training and skills development and other benefits.



## Our operation Sinova Quartz

We are developing and expanding production at the Horse Creek historic quarry, **renamed as Sinova Quartz**, near Golden BC which is permitted for over one million tonnes of annual quartz (or Silica) production. The high quality and at least 99.6% pure quartz can be used in the production of silicon metal at the manufacturing facility, called Sinova Silicon, being built by the company in the USA.

The logistics may include road, rail and barge transport to the Port of Cates Landing, adjacent to the Company's plant in Tiptonville, Tennessee.

Quartz from this deposit requires very limited processing relative to material from other quartz operations. With high-purity silica and correspondingly low levels of impurities such as boron, iron, phosphorous and aluminum, the Sinova operation creates minimal by-products and requires less energy to process.

Management plans have been developed to avoid, minimize and mitigate adverse environmental impacts. Management plans include mine emergency response, vegetation, wildlife, soil, erosion and sedimentation, fugitive dust, archaeological chance find procedures, traffic and water.

A tailings management facility is not necessary to mitigate environmental impacts. Only primary crushing will be done on-site then it will be stockpiled and hauled offsite to be processed. A small amount of waste rock is expected and will be used for road maintenance. No wastewater will be treated at the Horse Creek Project as minimal water will be used in processing for dust control, and no tailings facilities will be constructed.

Silicon metal is an essential building block in the transition to a low-carbon, green economy. It is central to the production of aluminum and other alloys, silicones, electronics (including computer chips) and solar cells, with emerging applications in the development of next- generation electric vehicle ("EV") batteries and energy storage. Demand for the key material inputs to emerging technologies is expected to rise dramatically.

More than half of North America's current demand for silicon metal is met from imports because due to a lack of new silicon metal plant manufacturing development over many years. Sinova Silicon will help meet the growing demand for products which are the building blocks for the sustainable energy transformation.

These products include: solar cells (for photo voltaic solar panels); semi -conductor components; aluminum used in lightweight aerospace and automotive parts; and next generation batteries and battery anodes.

## About Silicon

Our focus on ESG matters is integral to our mission to generate attractive, sustained financial returns and to demonstrate benefits to society by providing an essential building block to industries at the forefront of a global transition to sustainable energy.

ESG is therefore a fundamental part of our long-term strategy and is a central aspect of how we manage risk, preserve and create value for investors and other stakeholders.

Our ongoing and future success depends on developing and maintaining productive relationships with the communities surrounding our operations, including local Indigenous groups, who may have rights and interests within their traditional territories which may impact our properties, operations or permits, as well as other stakeholders in our operating locations.

We believe our operations can provide valuable benefits to surrounding communities in terms of direct employment, training and skills development and other benefits.



## Our ESG Approach

## Location

## Contacts

For more information email [quartz@sinovaquartz.com](mailto:quartz@sinovaquartz.com) or visit [www.sinovaglobal.com](http://www.sinovaglobal.com)

## Disclaimer

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