

# Copper Mountain Mining Corporation

A MOUNTAIN OF POTENTIAL





# A MOUNTAIN OF POTENTIAL

Copper Mountain Mining Corporation

*Copper Mountain Mining Corporation is harnessing the vast resources of the Copper Mountain mine in order to become Canada's newest mid-tier copper producer*

WORDS BY *Will Daynes* ► RESEARCH BY *Jeff Abbott*



Ore hauling  
trucks in a row

**A** Canadian based, high growth mining company, Copper Mountain Mining Corporation's focus is directed towards adding value through a combination of successful exploration, project development, efficient operations, and opportunistic acquisitions. Furthermore, the maintaining of a low risk profile through project diversification, astute financial management and operating in secure jurisdictions are key priorities for Copper Mountain's Management team.

The company's flagship asset is the 75

percent owned Copper Mountain mine, in which Mitsubishi Materials Corporation owns the remaining 25 percent as part of a strategic alliance between the two parties. Located close to the town of Princeton in southern British Columbia, the mine exists within an area blessed with well-developed infrastructure. This has made the property easily accessible via a combination of highways and paved roads. The mine also falls within close proximity to the port of Vancouver, which provides service for the shipment of

*“The Copper Mountain mine commenced production during the summer of 2011 and has since gone on to expand its operations in rapid fashion”*

copper concentrates, and is also little more than a 20 minute drive away from several local communities that provide goods, services and personnel.

The Copper Mountain mine commenced production during the summer of 2011 and has since gone on to expand its operations in rapid fashion. The site encompasses some 18,000 acres and boasts a resource of approximately five billion pounds of copper and remains open laterally and at depth. Needless to say then, that the Copper Mountain mine



When the world looks to you  
Look to Petro-Canada Lubricants and Fuels

Congratulations, Copper Mountain. And thank you for choosing Petro-Canada Lubricants to help you keep things running smoothly. We're proud to be part of the celebrations.



[lubricants.petro-canada.ca/mining](http://lubricants.petro-canada.ca/mining)

Petro-Canada is a Suncor Energy business  
™Trademark of Suncor Energy Inc. Used under licence.

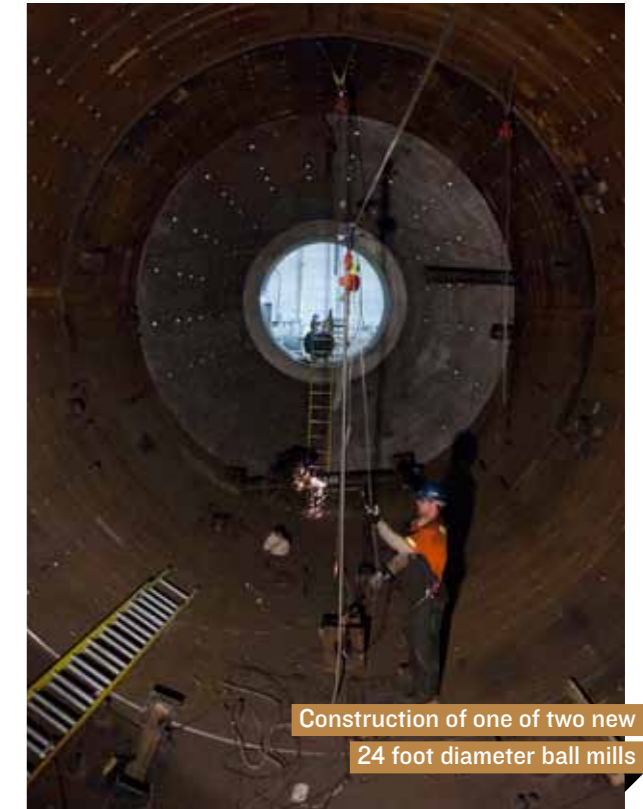
Beyond today's standards.



possesses significant exploration potential that the company plans to explore over the coming years.

The development concept behind the mine is a fairly straightforward one. The company is essentially combining three existing open pits into what will ultimately become one larger super pit. Across the mine site the company is utilising a brand new mobile mining fleet that consists of two Komatsu PC 8000 hydraulic shovels, thirteen 240 ton Komatsu 830E haul trucks, one Komatsu WA 1200 loader, two PV271 Atlas Copco rotary drills, one PV351 Atlas Copco rotary drill, and a fleet of support equipment. In addition, the mine has possesses an Ex 5500 Hitachi hydraulic shovel, five 260 ton haul trucks, and a PV 351 drill.

The mine utilises a conventional crushing, grinding, and flotation system in order to produce copper concentrates with gold and silver credits. The mine processing plan focuses on processing the higher grade



Construction of one of two new 24 foot diameter ball mills

**PETRO CANADA LUBRICANTS**

**Extracting Success: Petro-Canada and Copper Mountain Mine Partnership**

When The Copper Mountain Mine commenced production in the summer of 2011, it purchased over \$100 million worth of new mining equipment consisting of thirteen 240 and five 260 ton haul trucks, 3 hydraulic shovels, the world's largest mechanical loader as well as a number of other support machines – which implies a tremendous amount of attention must go into all aspects of operations, especially the lubricant considerations for each and every machine.

**Choosing the Right Lubricant Supplier**

Copper Mountain presented unique challenges to potential lubricant suppliers including: processing 35,000 TPD through the mill and mining 160,000 tonnes of rock a day, enduring rough, muddy and extreme weather conditions, considering different lubricant requirements for its variety of equipment,

makes and models, and the need to have all of their operations running smoothly and properly on one lubricant supplier.

“The one thing that mattered most was that suppliers actually did what they said they would do – that’s what’s really important,” explains Tom Blake, Mine Maintenance Superintendent, Copper Mountain Mine. Petro-Canada Lubricants surpassed the competition with their experience, expertise and proven products to become an integral part of the preparation process. They were involved in designing the lube systems, implementing procedures, and selecting the products that would provide the best results. At Petro-Canada Lubricants, we are proud to partner with industry leaders like Copper Mountain, who put Canada on the map for world class mining. Congratulations on all of your accomplishments to date and best wishes for continued success.

[www.lubricants.petro-canada.ca](http://www.lubricants.petro-canada.ca)

# Transportation and Logistics Solutions for the Road Ahead



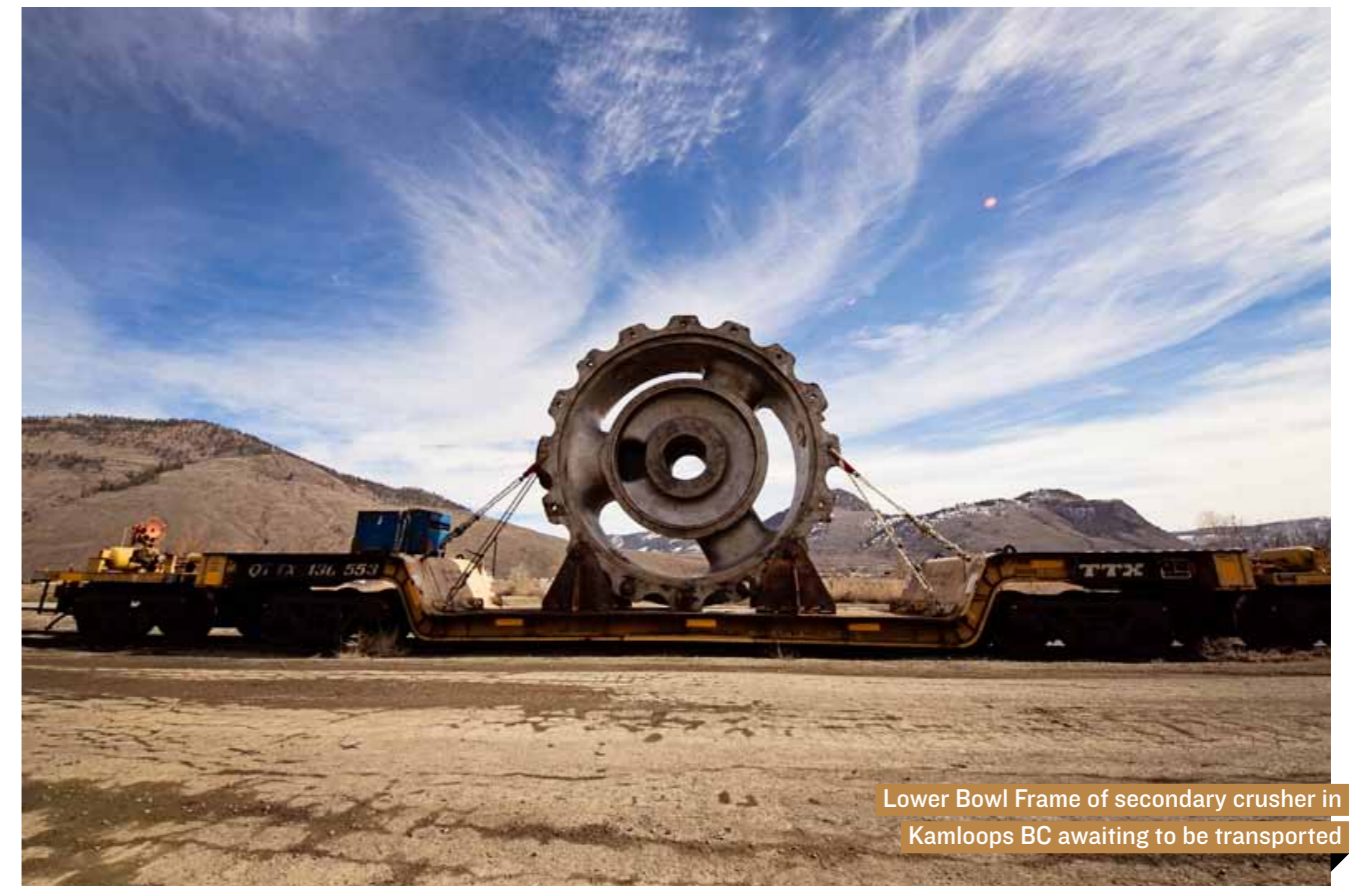
## ARROW TRANSPORTATION SYSTEMS

Arrow Transportation Systems has been a transportation partner to the mining industry in Canada and abroad for over 50 years and in the transportation business for almost 100. We are an industry leader in truck transportation, materials handling, logistics management, consulting and technology management. We are known as an organization that can provide comprehensive, innovative solutions to customers at the least total long-term cost. Jim O'Rourke is an industry leader, an innovator and a driving force in the international mining industry. We are proud of our long association with Jim and our role as the trucking transportation partner for Copper Mountain.

[www.arrow.ca](http://www.arrow.ca)

ore in the first twelve years, with lower grade material being sent to stockpiles for blending and processing later in the mine's life. The facility is designed to operate 24 hours per day, 365 days per year with a 92 percent mechanical availability including pre-scheduled downtime for equipment maintenance. Concentrates are exported via the port of Vancouver to Mitsubishi smelters in Japan for treatment and sale.

In addition to the resources it has already mined and continues to bring to the surface, the company is well aware of the significant exploration upside that still exists on the Copper Mountain project. The area surrounding the mine has played host to successful exploration programmes for the best part of 100 years now and the company is steadfast in its belief that this tradition will remain in place for many years to come.



Lower Bowl Frame of secondary crusher in Kamloops BC awaiting to be transported



**Products transported, handled and value added services include:**  
Mining Concentrates, Fibre, Building Materials, Steel Products, Liquids, Bulk Products, Biosolids, Over Dimensional, Heavy Haul, Containers, Logistics and Consulting.

# Chemistry Delivered.™



**Comprehensive selection** of core and specialty chemicals.

**Unparalleled scale and connectivity** across geographies.

**Technical insight** for every stage fo mine development.

+1855 888 8648  
[www.univar.com](http://www.univar.com)

### UNIVAR

Univar is the distribution partner that is transforming the way chemicals are bought, sold and managed in the mining industry. We supply a comprehensive selection of core and specialty chemicals for every stage of mine development, from exploration and extraction to reclamation. The breadth of our product line is unsurpassed, including absorbents and adsorbents, acids and acid cleaners, coagulants, collectors, frothers, mining and ore digging aids, surfactants, water treatment and much more. Our extensive distribution network, global reach and unparalleled logistical expertise provide our customers a consistent and reliable source of supply. In addition to our vast product offering, we provide important value-added services for our customers and suppliers.


[www.univar.com](http://www.univar.com)

The aim of any future exploration programmes will be to define additional resources from numerous untested targets previously identified by a deep penetration Titan 24 survey that was conducted in late 2007. Interpretation of the geophysical properties is consistent with the geological model of hydrothermal alteration and mineralized zones within an alkali porphyry setting.

From day one the Board of Directors and management of Copper Mountain have collectively held the belief that maintaining the highest standards of corporate governance is a critical factor when it comes to the effective operation of the mine and the business as a whole. Together they state that the company should always be managed in an ethical way and, in making this a reality, have in place a Code of Business Conduct and Ethics which all its employees, executives and shareholders uphold.



The lower main frame being lifted into position using a specialized crane



**PRECIOUS RESOURCE  
DISCOVERED**

Click here to visit our dedicated homepage for the mining community

[www.bus-ex.com/mining](http://www.bus-ex.com/mining)



Panoramic view of the interior of the process plant.

The Gisborne Group is pleased to continue our relationship with Copper Mountain as the General Works Contractor for the construction and installation of the secondary crusher.




**The Gisborne Group**  
 Phone: 604-520-7300  
 Fax: 604-522-0425  
[www.gisborne.com](http://www.gisborne.com)

- CONCRETE • FIRE PROTECTION • STRUCTURAL ERECTION
- INSTRUMENTATION • MECHANICAL
- ELECTRICAL • PIPING • CONTROLS

**CONTINUOUS IMPROVEMENT - INTEGRITY  
- RESPECT - CLIENT FOCUSED**

Perhaps the two most important areas covered by the code are health and safety, and environment and sustainability. As is the case with all professional mining operations, Copper Mountain strives to achieve the highest standards of mine safety and healthy across all of its business activities, a commitment the binds together the company's Health and Safety Policy.

The safety and health of all employees and contractors is of the utmost priority to Copper Mountain's management. As such training programs, safe work procedures, site housekeeping and operational standards are enforced at Copper Mountain, which together are designed to ensure that all work is undertaken in a safe manner with minimal risk to employees and equipment.

Much in the same way that the company recognises the importance of providing a safe working environment, Copper

*“The company ensures that it incorporates environmental management into all of its business activities”*

Mountain recognises that mining in itself is temporary land use activity. Therefore the company ensures that it incorporates environmental management into all of its business activities. It realises that managing environmental responsibilities is an integral component in ensuring that the sustainability of its current and future operations is maintained.

Additionally, Copper Mountain is committed to returning the land to an overall improved condition after mining has ceased while preserving the heritage value of each site. As part of this commitment, consultation with community groups is carried out during the development stage of rehabilitation plans to ensure that the needs of all stakeholders are taken into account. This is reflected within the company's Environmental Policy, which sets out what it hopes will become the legacy of the site long after it has ceased production. **BE**

**COPPER MOUNTAIN  
MINING CORPORATION**

📞 604.682.2992  
 ✉ [jim@CuMtn.com](mailto:jim@CuMtn.com)  
[www.cumtn.com](http://www.cumtn.com)



**COPPER MOUNTAIN**  
MINING CORPORATION

# Copper Mountain Mining Corporation

① 604.682.2992

✉ jim@CuMtn.com

[www.cumtn.com](http://www.cumtn.com)

Produced by:

**BE Business Excellence**

[www.bus-ex.com](http://www.bus-ex.com)