



## DISCOVER OUR OPERATIONS IN THE HEART OF THE URBAN ENVIRONMENT OF MALARTIC



**AGNICO EAGLE**  
CANADIAN MALARTIC



**AGNICO EAGLE**  
ODYSSEY

# >> CANADIAN MALARTIC AND ODYSSEY MINES

Effective March 31, 2023, Agnico Eagle Mines Limited became the sole owner of the Canadian Malartic Mine and the Odyssey Mine that it manages and operates.

The Canadian Malartic Mine, one of Canada's largest open-pit gold mines, is located in the Town of Malartic, in the heart of Québec's Abitibi Gold Belt.

The Odyssey Mine, which is being built at a location approximately three kilometres east of the entrance to the Town of Malartic, will develop the continuity of the deposit in the Canadian Malartic and Barnat pits through known underground mineralized zones. It will become one of Canada's largest underground gold mines.

The Canadian Malartic Mine will continue to operate until 2029 by mining the Barnat pit. The Odyssey Mine's life is expected to last until 2042.

## >> STEPS THAT DEFINE OUR ACTIONS

We are committed to enforcing three operating steps that structure the on-site work performed daily by each and every employee at our sites.



Is it **safe** for employees?



**2 |**  
Does it respect the **environment and the community**?



**3 |**  
Once the first two steps have been confirmed operations may **proceed**.

# >> AT A GLANCE IN 2024

## CANADIAN MALARTIC MINE



### More than 1,600 full-time employees on site

- More than 700 employees
- Close to 900 contractor employees



### Continuous operations

- 24 hours a day, 7 days a week
- A fleet of more than 100 pieces of mobile equipment



### Production

- 665,654 ounces of gold produced including Odyssey Mine
- Ore processing rate at the plant: more than 55,000 t/d
- Pouring of our 8 millionth ounce of gold in February 2025

## ODYSSEY MINE



### Estimated number of employees, including contractor employees

- Until 2028, for the construction period and first production phase: 500 to 1,000
- At peak operations by 2029-2030: 1,500



### Mining method and depth

- By a ramp and shaft
- Ramp and shaft depth: 1,800 m



### Production and synergy

- Estimated production, at peak operations: 19,000 t/d of ore
- Estimated grade: 2.76 g/t gold
- Use of Canadian Malartic Mine's ore-processing plant

## >> RESTORING THE EAST MALARTIC ORPHAN SITE

The East Malartic mine, one of four large gold mines that have marked Malartic's history, was in operation from 1936 to 1983. The plant built on the site subsequently processed ore from other mines until 2002. Under an agreement signed in 2009 with the Government of Quebec, we committed to assuming one-half of the financial obligations for the site's restoration and to use some of the tailings to gradually cover the site.

We selected the impoundment disposal of thickened tailings in order to limit the project's footprint, minimize water use, optimize risk management, and improve environmental performance. With this approach, we were able to restore an abandoned site that is now beneath Canadian Malartic Mine's tailings pond and waste rock pile.



Before



During



After one of the first stages of restoration



Site in summer 2006



Site in summer 2022

## >> NEW VOCATION FOR THE CANADIAN MALARTIC PIT

Mining ceased in the Canadian Malartic pit in the spring of 2023 and the tailings pond will reach full capacity in 2024, prompting the decision to convert the Canadian Malartic pit into a waste rock and tailings accumulation area.

Waste rock contains very little to no gold and is placed on waste rock piles. The gold-bearing ore is hauled to the processing plant for gold recovery. This process produces tailings that were previously disposed of in the tailings pond.



The pit has a central berm that acts as a separating wall. The waste rock and tailings (slurry) are disposed of on either side of that berm.

Very rarely is a pit backfilled in this manner. This brand-new, innovative practice will optimize the mine site, give the pit a second life, and minimize the environmental impacts from expanding the tailings pond and encroaching on a forest and wetlands.

# >> MINING COMPLEXES

## CANADIAN MALARTIC MINE

- A.** Crushing Zone
- B.** Ore Stockpiling Zone
- C.** Ore-Processing Plant
- D.** Tailings Pond
- E.** Administrative Building and Garage
- F.** Canadian Malartic Pit
- G.** Barnat Pit
- H.** Surface Waste StockPile



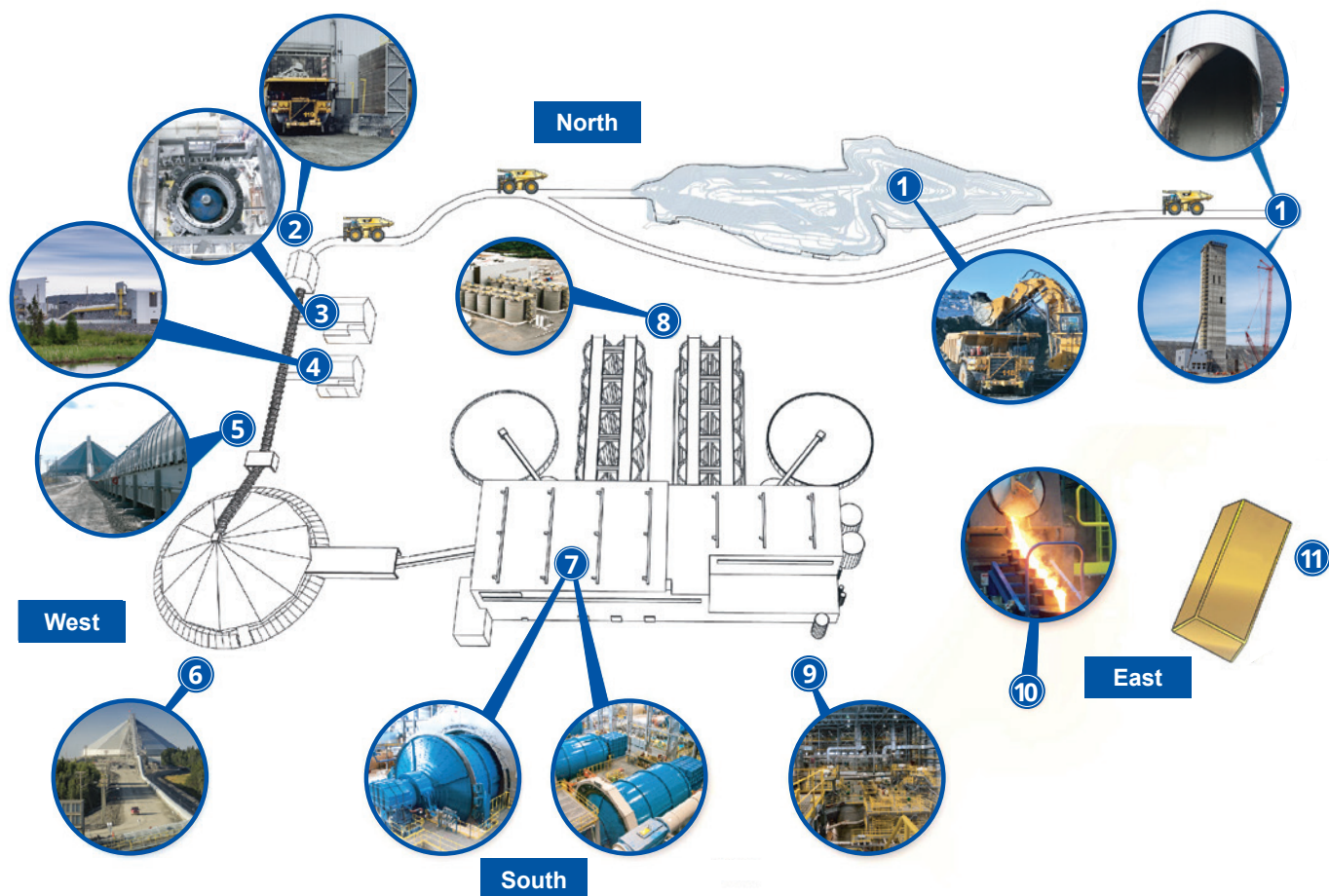
## ODYSSEY MINE

- A.** Service Ramp Portal
- B.** Paste Backfill Plant
- C.** Administrative Buildings and Main Dryer
- D.** Headframe
- E.** Winch Building
- F.** Waste Rock and Ore Silos
- G.** Mechanical Maintenance Workshop



# >> ORE PROCESSING

- 1 Ore extracted from Barnat pit and Odyssey Mine
- 2 Primary ore crushing
- 3 Secondary ore crushing
- 4 Auxiliary dumping site used to feed the conveyor
- 5 Ore taken by conveyor to the stockpiling zone
- 6 Ore storage
- 7 Ore grinding
- 8 Leaching process
- 9 Gold extraction process
- 10 Gold pour
- 11 Gold bar extracted from mould and cleaned



## >> CANADIAN MALARTIC MINE THE LARGEST MOBILE EQUIPMENT IN ABITIBI-TÉMISCAMINGUE



### Production Truck

- 240-tonne truck.
- Each tire is 3.5 metres high, or as high as two people, each almost six feet tall.
- Three-inch rubber lining added to dump bodies to reduce noise.



### Electric Shovel

- Fully electric.
- The bucket (shovel) has a 60-tonne capacity. That's equivalent to the weight of 40 compact cars.
- Powered by a 7,200-volt cable and weighs 540 tonnes.



### Pit Viper Blasthole Drill Rig

- Used on flat terrain.
- Equipped with rubber skirting and a water tank to limit the spread of dust during drilling.
- Can drill down to a depth of 70 metres.



### Water Trucks

- Spray roads and rock before loading to reduce emission of dust into the air.
- Capacity of 18,000 gallons of water, the equivalent of 2 pools of 20 feet in diameter.



### Hitachi Shovel

- Equipped with two motors equivalent to 19 compact cars.
- The bucket (shovel) can hold a 65-tonne load.
- Equipped with a remote control system.
- Noise-reducing louvers added to the radiator.

## >> STATE-OF-THE-ART EQUIPMENT AT THE ODYSSEY MINE

### Semi-Mechanized Bolter

- Battery powered.
- Battery charges in 5 to 6 hours while the equipment installs security screening.



### LHD (Scoop)

- The bucket has an 18-tonne capacity.
- A single operator can operate several LHDs simultaneously from the surface when there is no one underground.



### Cabletec Cable Bolting Drill Rig

- Drills, installs, and cements support cables for excavation and stope stability.
- All steps can be performed simultaneously by a single operator.
- Operated in teleoperation mode from the surface.



### Jumbo

- Drills down to a depth of 4.5 metres.
- Operates in a fully automated mode.
- Can be controlled from the surface.



### Production Drill

- Drills 55-metre-long holes that are slightly longer than an Olympic-size swimming pool.
- Operated from the surface except when being moved between stopes.
- A battery-powered model is expected in summer 2024.





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