



ROCKFIRE
RESOURCES

Raw materials for sustainable energy
and a high-tech future

Investor Presentation

September 2022

LON:ROCK



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Rockfire operates in premier jurisdictions



Head Office ■

▲ MOLA OI (Zn, Pb, Ag, Cu, Ge)

PLATEAU (Au, Ag)
COPPERHEAD (Cu, Mo, Ag) ▲
COPPER DOME (Cu, Au)

Rockfire has mineral resources to help power a sustainable and high-tech future



Zinc – wind, hydro, solar power, batteries

Lead – wind, hydro, solar power, batteries, military applications

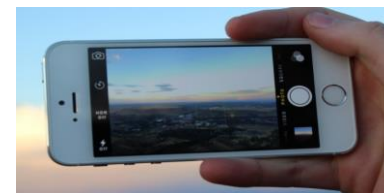
Silver – solar power

Germanium – computers & phones, vehicle sensors, military applications

Gold – electronics, solar power

Copper – wind, hydro, solar power and electric vehicles

Molybdenum – wind, hydro, solar power



Developing deposits of precious and base metals



JORC Resources

- 210,000 T Zn
- 39,000 T Pb
- 6.1m Oz Ag
- 208,000 Oz Au
- 80,000 T Cu
- 9,400 T Mo



Molaoi
210,000 tonnes Zn
39,000 tonnes Pb
3.5M ounces Ag

A successful explorer, defining resources



Plateau
208,000 ounces Au
1.5M ounces Ag

100% owned assets



Copperhead
80,000 tonnes Cu
9,400 tonnes Mo
1.1M ounces Ag

Attractive investment jurisdictions

Experienced board focused on building value

GREECE



100% owned by Rockfire

Molaoi (Zn, Pb, Ag, Cu, Ge, Au)

ZINC to meet demand for the global expansion of wind, hydro & solar power

Lead for critical wind, hydro and solar power and battery storage of energy

SILVER for the global demand for solar power generation

GERMANIUM to provide the raw material for the smart-technology phone, computing and electric vehicle industries

Greece – a proven Mining Act and active mining industry



- 100% foreign ownership of exploration and mining rights is permitted
- Licences are granted for exploration and mining rights
- Licences are granted for a 30 year tenure

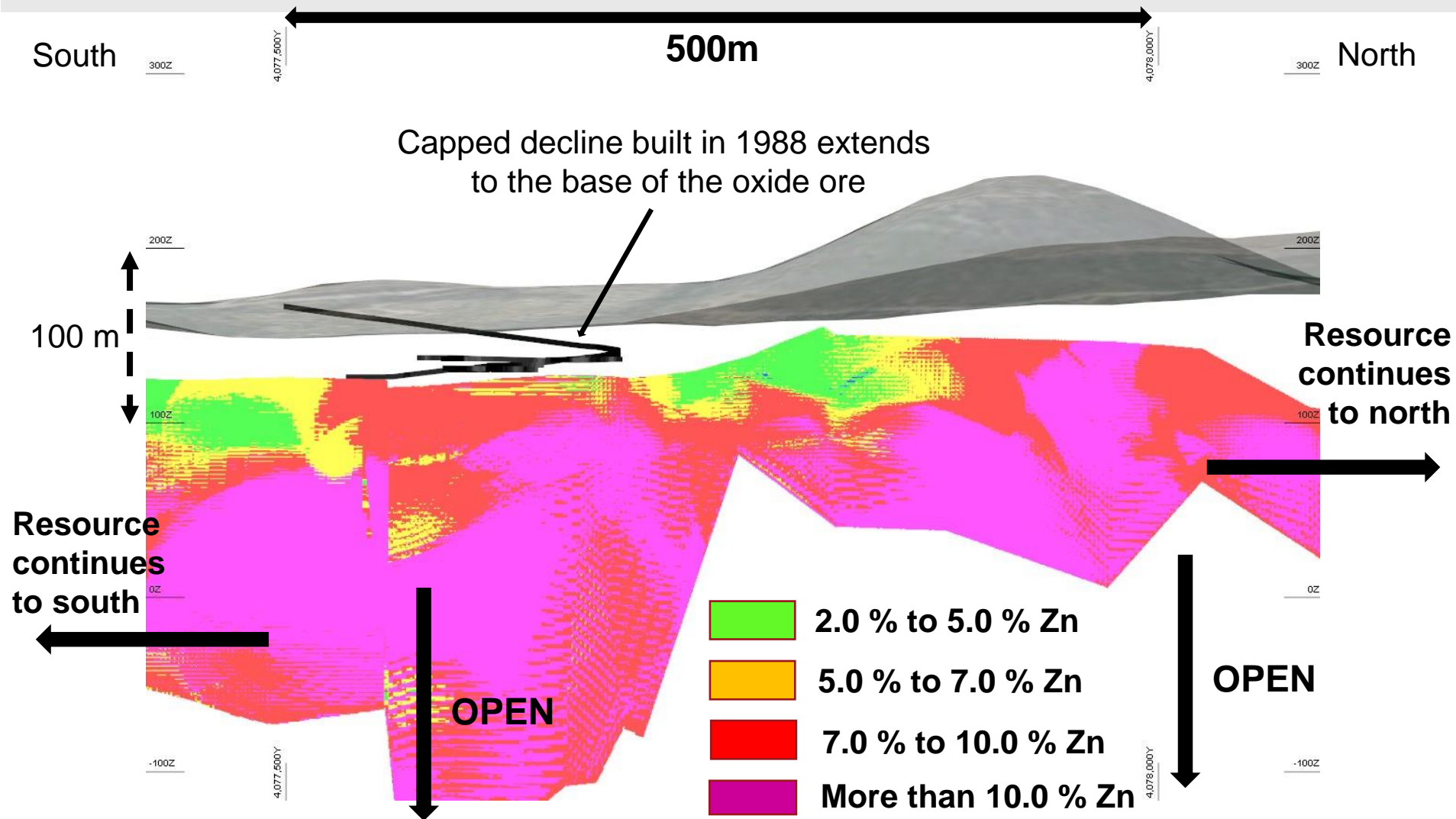
Skouries (Au/Cu) Hellas Gold S.A.



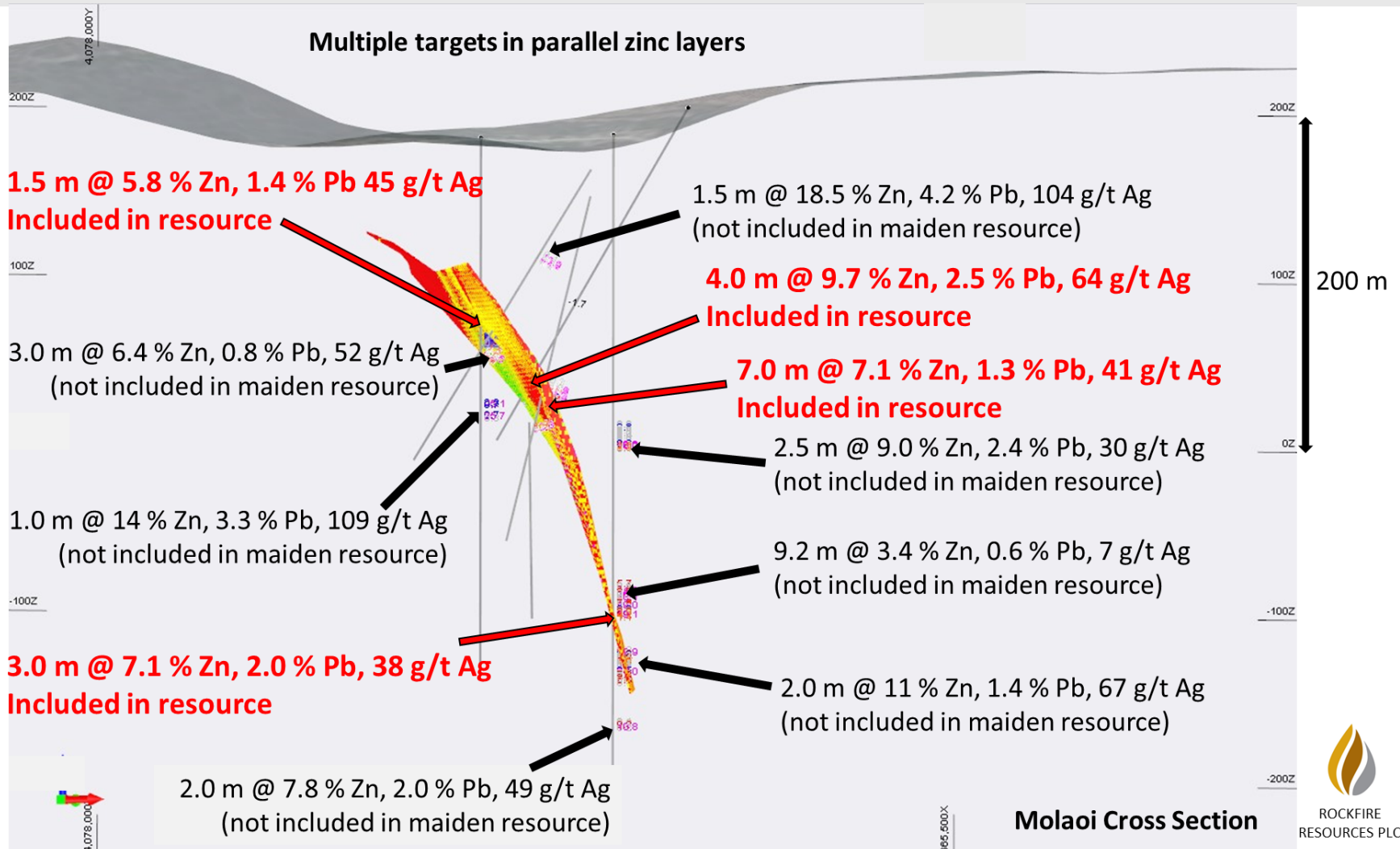
Stratoni (Ag/Pb/Zn) Hellas Gold S.A.



Portal and decline may provide rapid access to resource



Multiple, parallel layers of zinc



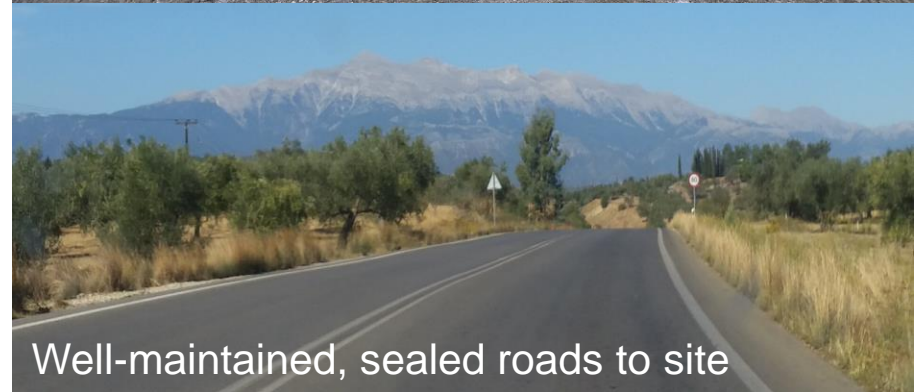
Excellent infrastructure



Portal site (access to underground)

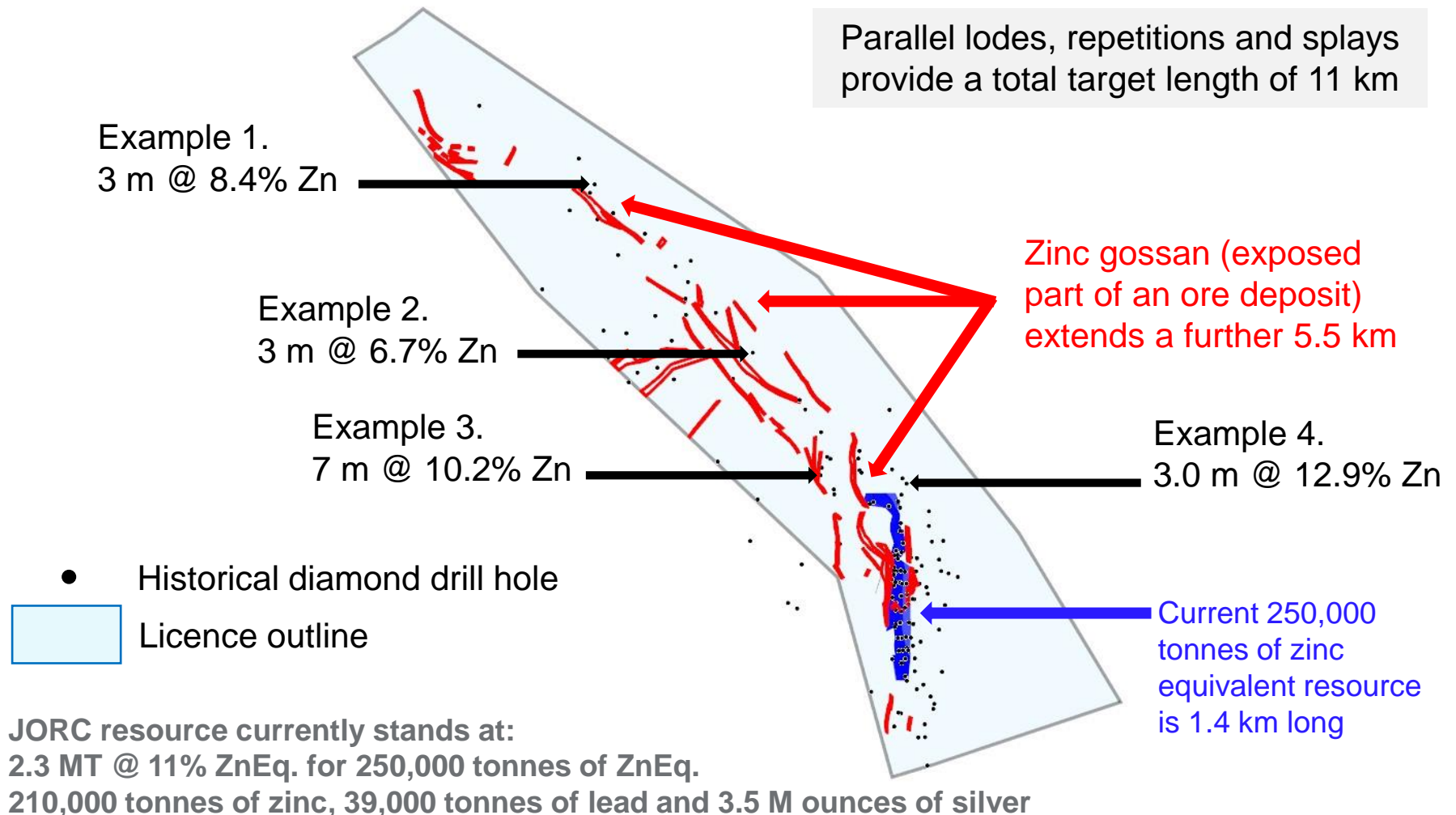


Core yard, office & field accommodation



Well-maintained, sealed roads to site

High-grade Zn/Pb/Ag extensions



Outstanding Infrastructure



- Discovered in 1960's by the Institute of Geology and Mineral Exploration of Greece (IGME). 173 cored drill holes already drilled
- Greece has an abundant, highly qualified and experienced mining workforce
- Readily accessed by sealed road and local tracks
- Mains electricity wires extend through the centre of the licence
- In 1988, a portal was established, and a 700m-long decline was developed to the base of the oxidised ore
- 9.3 km from the coast = opportunity for access to smelting facilities
- Rockfire is planning underground extraction only at this stage
- Processing is planned using conventional flotation

Excellent metallurgical product reduces recovery and marketing risks



- Results available so far are for tests on composite samples from Molaoi core which have been blended to produce an “industry average” grade. The composite average feed grade used in the tests is 5.9% Zn and 1.6% Pb.
- Recovery of 89% of the zinc and 74% of the lead in a single pass through a 3-stage flotation circuit
- Saleable concentrate grades of zinc (57% Zn), silver (856 g/t Ag), lead (63.6% Pb), germanium (117 g/t Ge), copper (2.62% Cu) and gold (0.52 g/t Au)
- These grades are well in excess of industry average expectations of 50% grades-in-concentrate for zinc and lead
- BHM Process Consultants Pty. Ltd. (Rockfire’s consultants) expect that these recovery figures may be conservative, as more work will optimize conditions for flotation concentration



Germanium – a Critical Metal for the future

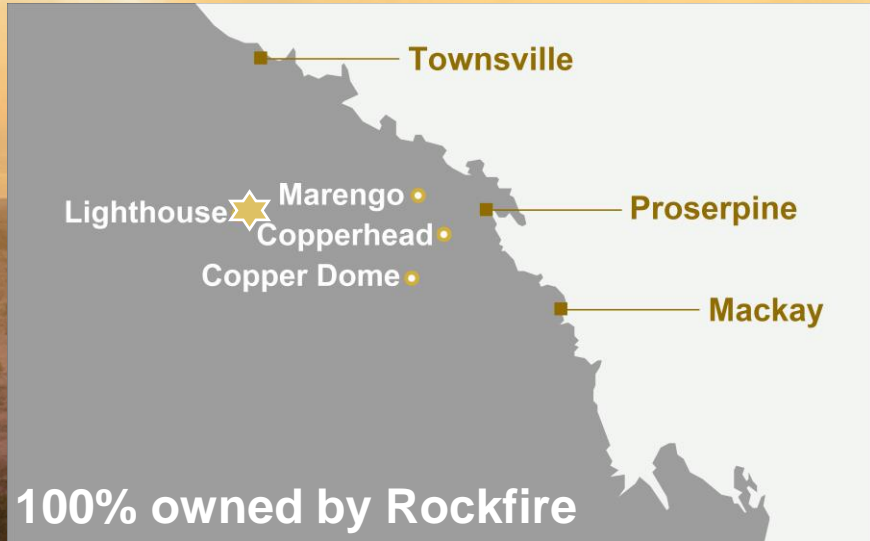
- Included on the European Union and United States list of Critical Metals. These are materials deemed critical due to geological scarcity and risk of supply shortages at a time of increasingly strong global demand
- Recent metallurgical tests at Molaoi determined that the zinc concentrate included a recovered grade of 117 g/t Ge.
- Most germanium produced in the world is recovered as a by-product of zinc ores, with commercial grades ranging between 50 g/t Ge and 150 g/t Ge. Molaoi could become a competitive provider of global germanium.
- Germanium is used in the manufacture of mobile phones, electronics, solar cells, camera lenses, satellites, computer screens, as well as steering and parking sensors for vehicles. Used also in numerous military hardware including weapons-sighters and infrared night vision.

The germanium metal ingot price is currently US\$ 2,368 per kilogram
(USD\$ 2.3M per tonne)

Fast-track towards production



- An environmental study has been submitted to the government for planned infill and extension drilling
- The reopening of the existing portal/decline to the ore will be appraised
- Metallurgical studies are in progress, with results so far showing excellent recoveries
- A geologist and a mining engineer have been appointed to assist work programs and planning/approvals
- An environmental baseline study will be initiated to monitor the existing state of the environment for a period of 12 months
- A community advisory committee has been established in Molaoi, the members of which are providing valuable and insightful guidance on community expectations



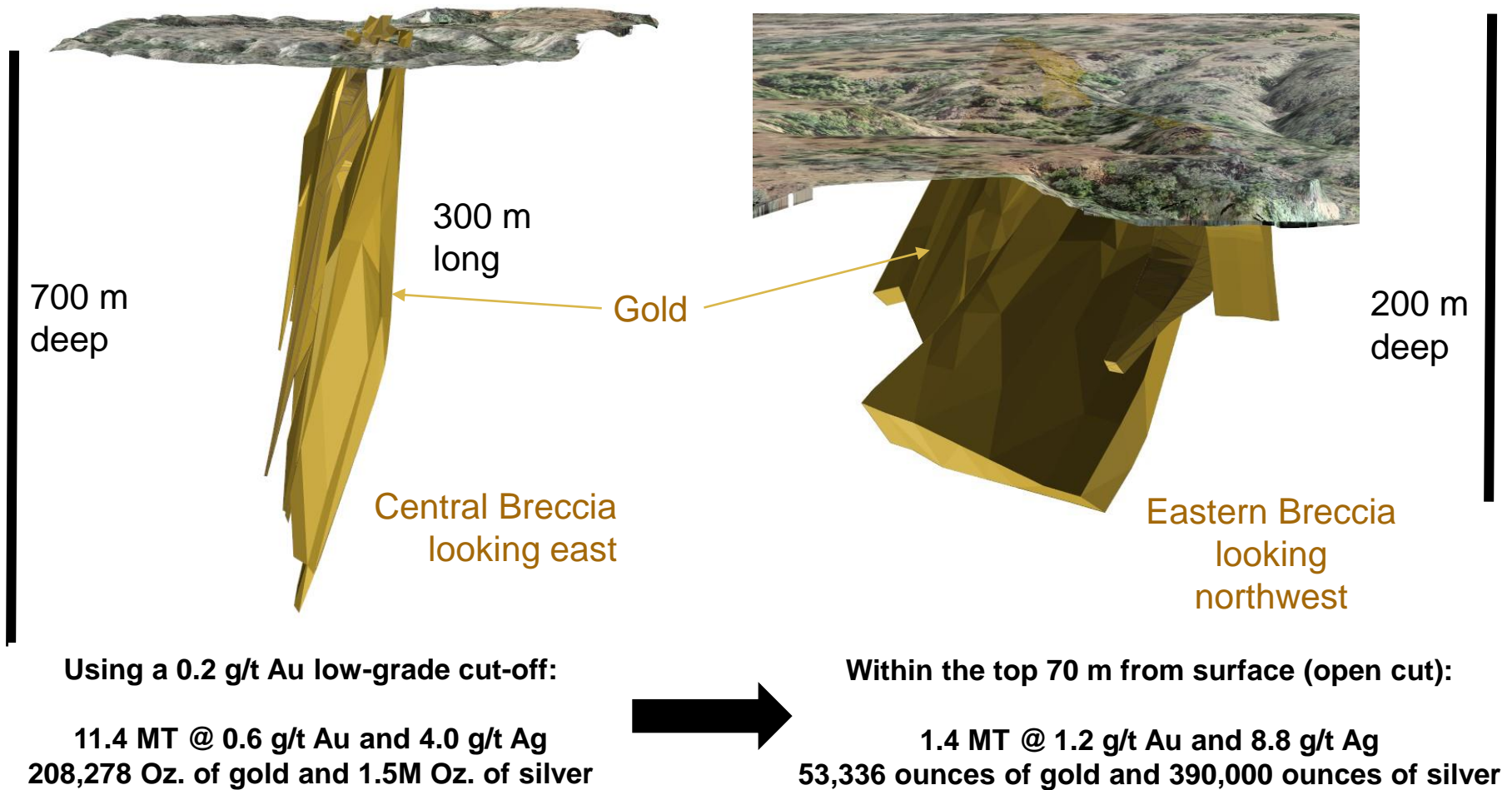
Lighthouse (Plateau - Au, Ag)

GOLD providing important electronic and solar power components

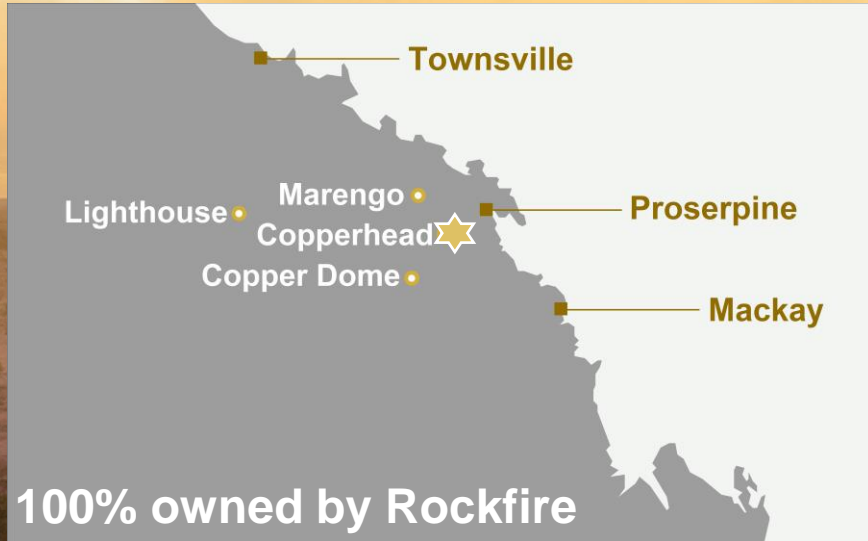
SILVER to meet demand for the increasing market in solar power generation



Plateau Gold Deposit – a large system with open cut potential



AUSTRALIA



Copperhead (Cu, Mo, Ag)

COPPER for the global demand for EV's and wind, hydro & solar power generation

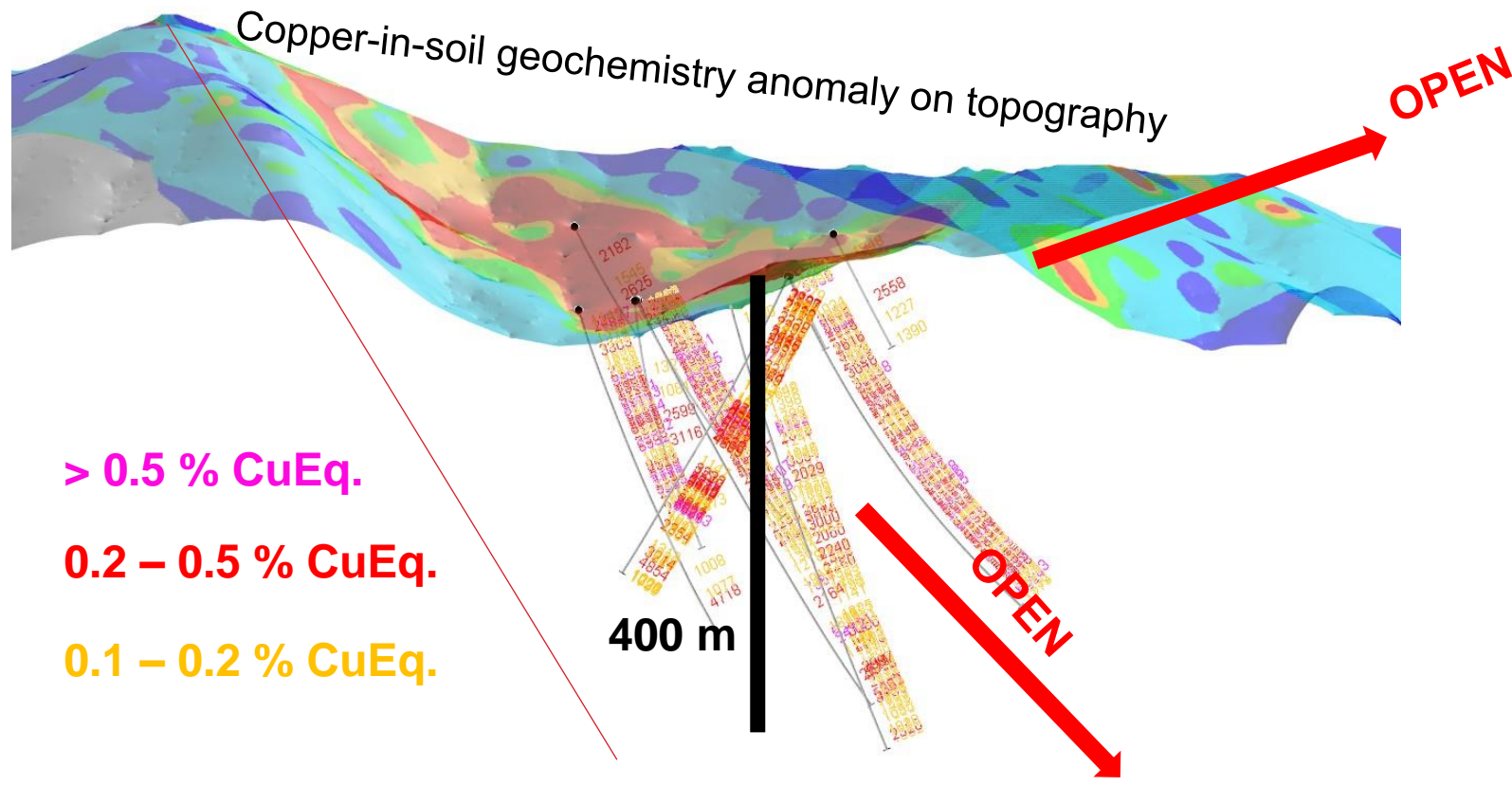
SILVER to meet demand for the expanding market in solar power generation

MOLYBDENUM to provide for the continually expanding demand for wind, hydro & solar power generation

Porphyry copper system remains open in all directions

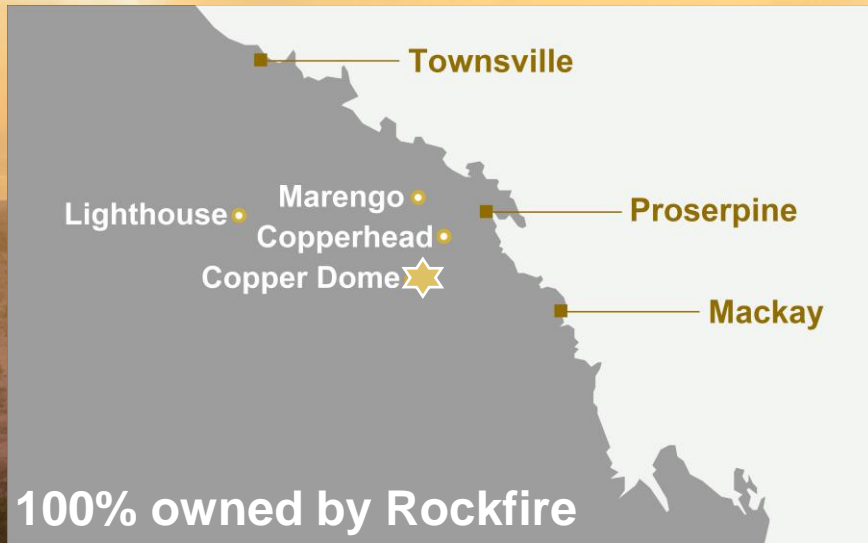


1 km



64 MT @ 0.19% Cu Eq. for 120,000 tonnes CuEq.

80,000 tonnes of copper, 4,900 tonnes molybdenum and 1.1M ounces of silver



AUSTRALIA

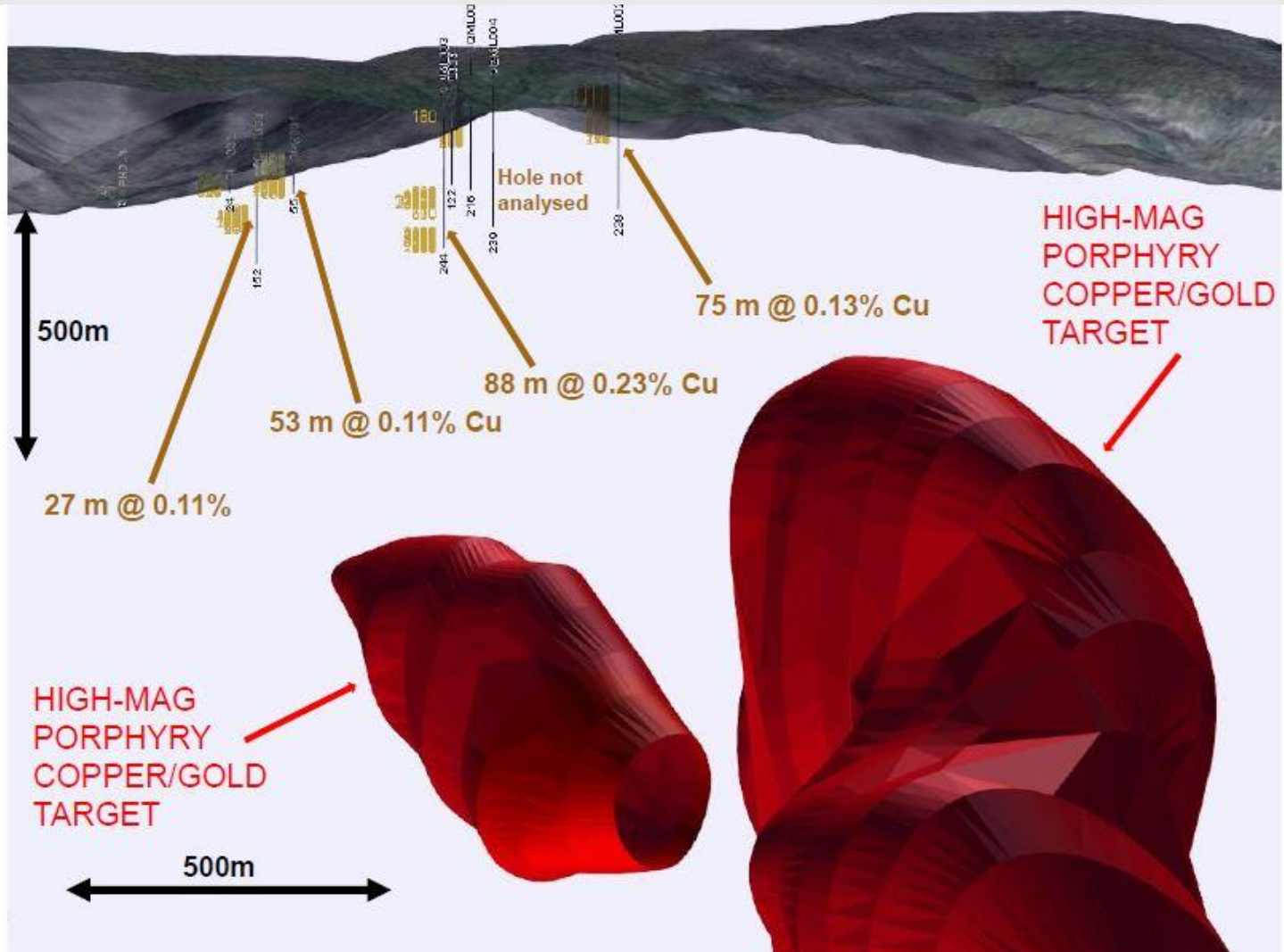
Copper Dome (Cu, Au, Ag)

COPPER for the global demand for EV's and wind, hydro & solar power generation

GOLD providing important electronic and solar power components

SILVER for the soaring global demand for solar power generation

Large, helimag porphyry Cu/Au geophysical target



Rockfire Resources – for a sustainable and high-tech future



ZINC/LEAD/SILVER

A deposit with commercial grades and infrastructure

JORC

210,000t Zn

39,000t Pb

3.5 million Oz Ag

GOLD/SILVER

Exploring in proven gold and silver mineralised areas

JORC

208,000 Oz Au

1.5 million Oz Ag

COPPER/MOLYBDENUM

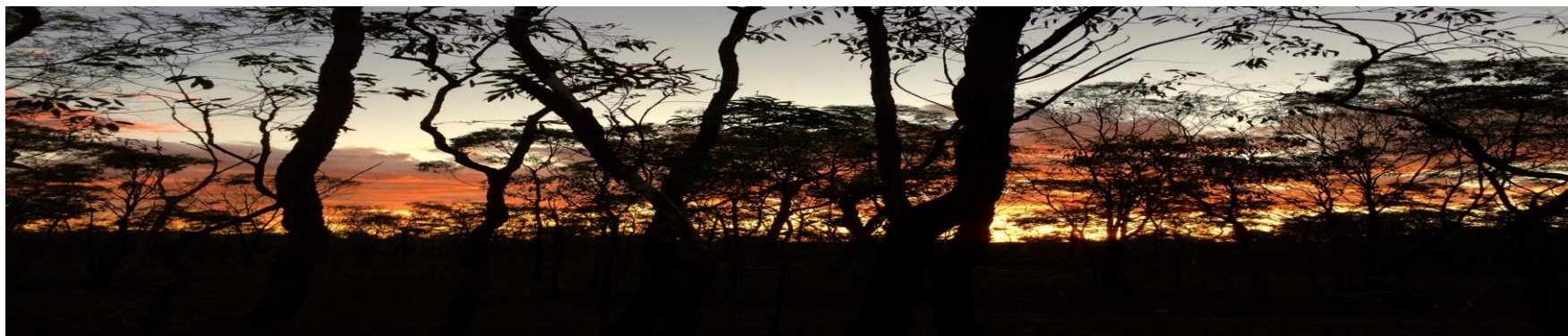
Two copper projects in a known porphyry belt

JORC

80,000t Cu

9,400t Mo

1.1 million Oz Ag



The background of the slide is an aerial photograph of a desert landscape at sunset. The sky is a mix of orange, yellow, and light blue, with the sun low on the horizon. The ground is a reddish-brown color, dotted with small, scrubby bushes. In the foreground on the right side, there is a large, stylized flame logo composed of three teardrop-shaped segments. The leftmost segment is a bright yellow, the middle one is a darker, golden-brown, and the rightmost one is a light grey-blue. The logo is positioned over the desert landscape.

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