

THE RENEWABLE POWER OF THE MINE

ACCELERATING RENEWABLE ENERGY INTEGRATION



EXAMPLE MINES THAT HAVE INTEGRATED RENEWABLE ENERGY PROJECTS

ESSAKANE GOLD MINE OLAR INTEGRATION

002.000.000	
Location:	Northeastern Burkina Fa
Grid Status:	Off-grid
Solar Project Size:	15 MW
Solar Project Cost:	US\$ 20 million
PPA:	15 years
Diesel Savings:	6 million liters annually
Carbon Savings:	18,500 tonnes annually

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THE REPORT

DIAVIK DIAMOND MINE WIND INTEGRATION

ocation:	Northwest Territ	
rid Status:	Off-grid	
/ind Project Size:	9.2 MW	
/ind Project Cost:	US\$ 33 million	
ost Savings:	US\$ 5-6 million a	
iesel Savings:	5 million liters a	
arbon Savings:	12,000-14,000 to	

ories. Canada annuallv nnually onnes annually

GABRIELA MISTRAL COPPER MINE <u></u>)/) SOLAR/THERMAL HYBRID INTEGRATION Location:

> Grid Status: Thermal Size: Solar Project Cost: PPA: **Diesel Savings:** Carbon Savings:

Atacama, Chile On-grid 34 MW US\$ 26 million 10 years

6.5 million liters annually 15,000 tonnes annually

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The report provides an overview of how the mining sector has been integrating renewables in their mining operations, the bottlenecks that still exist, and the future trends that are likely to further drive the roll-out of renewables to supply electricity to mine sites. The recommendations have been divided up by the most important stakeholders that have a role to play in implementing the scale up of renewable power integration at mine sites – these include governments, mining companies, independent power producers and donors.





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ENERGYANDMINES

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