

aggreko

LESSONS LEARNED FROM HYBRIDS FOR MINES



Presenter: **Rod Saffy**



aggreko



Guiding mining to net zero.

WE'RE COMMITTED TO NET ZERO EMISSIONS BY 2050.

That's why we're partnering with the world's biggest miners to use greener energy like solar, wind and natural gas. In fact, we're investing AU\$450-\$600 million every year to support this energy transition, with a large part of this spend in the mining sector. As power generation for mining becomes more complex, our solutions aim to simplify and de-risk these decisions for our customers. Using a combination of diesel, gas, solar, battery storage and additional future technologies, we are able to reduce carbon emissions while increasing overall energy efficiency.

What's more, our modular equipment combined with our "build, own and operate" model allows us to flex to suit the requirements of every mine through the life-cycle. We're proud to be supporting miners as they face the great challenge of reducing their emissions in line with the Paris Agreement. And we'd be delighted to speak to you about your future energy needs.

BY 2030

Reduce customer diesel use by

>50%

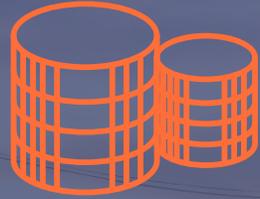
Reduce local air quality emissions by

>50%

Net zero emissions
across our own business

BY 2050

 **ALL SERVICES NET ZERO**



Mining companies under financial pressure to minimise capital as a result of uncertainty



Decarbonisation and sustainability



Reducing cost and maximising production directly impacting a firm's energy choices



Life of mine reducing and it is no longer always financially viable to build permanent power infrastructures



Bisha Mine



KEY FACTS

7.5 MWp

Solar power capacity

22 MW

Produced by generators

12-13 %

Fuel savings

Granny Smith Mine



KEY FACTS

27 MW

Gas power

8 MW

Solar power

2MW/1MWh

Battery storage

Syama Mine



KEY FACTS

40 MW

Wärtsilä Powerblock

10 MW

Batteries

20 MW

Solar

Salares Norte Project



KEY FACTS

16 MW

of diesel power

9.9 MW

of solar PV

\$7.4 Million

cost of energy savings

aggreko VIRTUAL PIPELINE - POWER PLANT PROJECTS



Hera Mine

KEY FACTS

6.5 MW

of gas power

844 km

distance gas is trucked

5 year

contract

Silvertip Mine

KEY FACTS

6.5 MW

of gas power

420 km

distance gas is trucked

La Parilla Mine

KEY FACTS

5 MW

of gas power

400 km

distance gas is trucked

3 year

contract

Daveyhurst Project

KEY FACTS

7.5 MW

of gas power

650 km

distance gas is trucked

5 year

contract



OUR KEY DIFFERENTIATOR IN THE HYBRID MARKET

Future-proof technology

In today's fast-evolving energy landscape, long-term commitments may lead to stranded assets and tied-up capital – especially with relatively new technology.

That's why we offer a risk-free, 100-percent reliable solution, addressing your immediate requirements and tapping into revenue opportunities. Our rental agreements give you maximum flexibility, ranging from a few months to years and are based on a fixed monthly or annual fee.



SOLAR POWER



BATTERY STORAGE



THERMAL GENERATION

SINGLE AGGREGO HYBRID PLANT

We offer a technically and commercially fully integrated customer hybrid solution

One single hybrid contract

- **Single PPA captures all costs** including management of intermittent power
- **Turnkey solution**
- **No hidden costs**
- **Highly scalable power:**
- **From 5-10+ years:** shorter contract duration than offered by solar IPPs
- **Hybrid performance:** High performance guarantees in line with Aggreko brand quality promise