

VOLT | VISION

DIGITISING INDUSTRIAL POWER NETWORKS

THE QUIET DECARBONISATION REVOLUTION:
MAXIMISING EFFICIENCIES AT EXISTING OPERATIONS

ENERGY & MINES AUSTRALIA SUMMIT



THE QUIET DECARBONISATION REVOLUTION: MAXIMISING EFFICIENCIES AT EXISTING OPERATIONS



MANOLI YAHHAGHAS
FOUNDER AND MANAGING
PARTNER



GARY NICHOLSON
HEAD OF ELECTRICAL &
INSTRUMENTATION

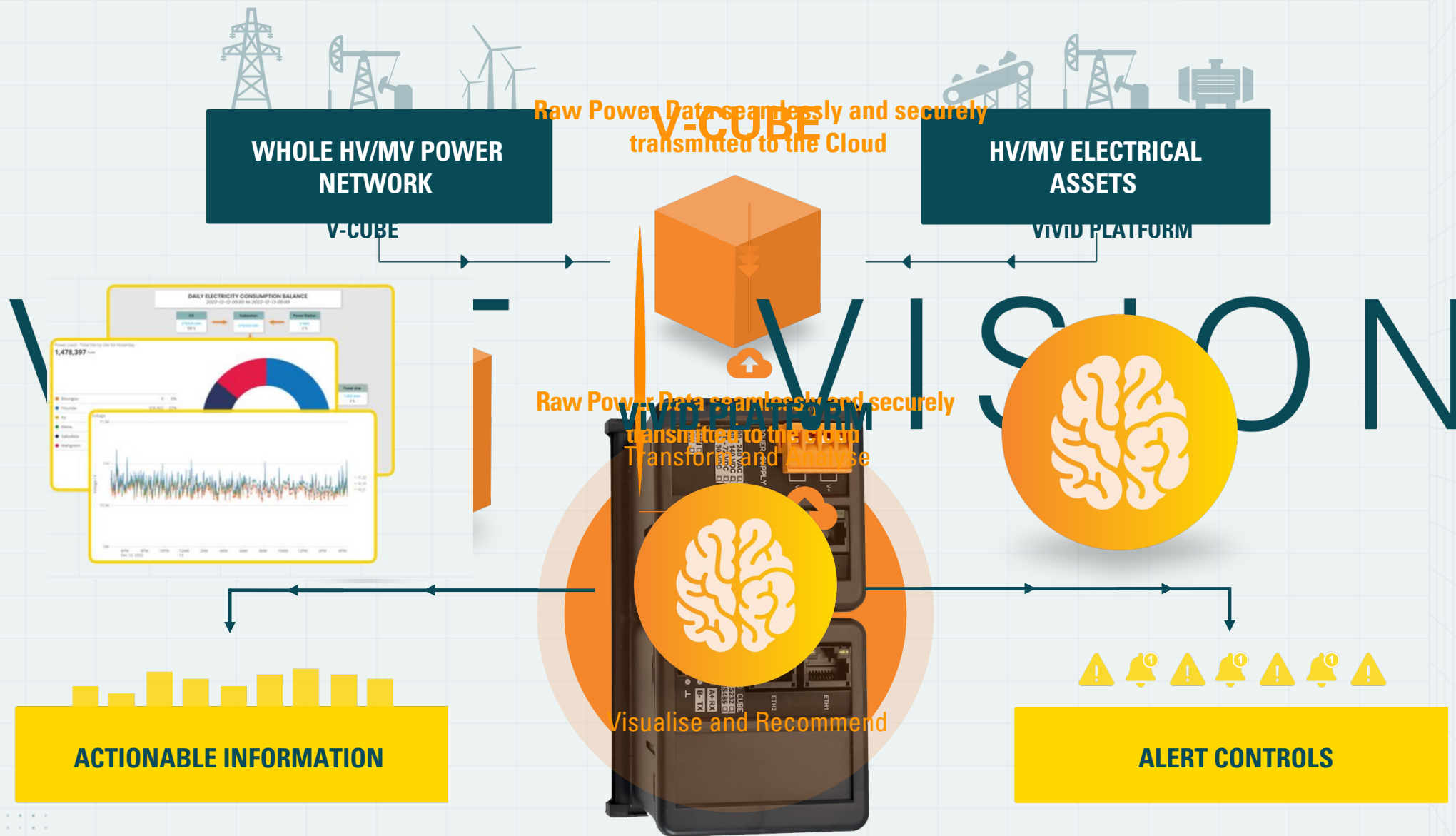
PRESSURE TO REACH NET ZERO



ROAD MAP TO NET ZERO



UNIQUE TECHNOLOGY AND SOLUTIONS



THREE SOLUTIONS

VV POWER
POWER QUALITY



VV ASSET
ASSET MANAGEMENT

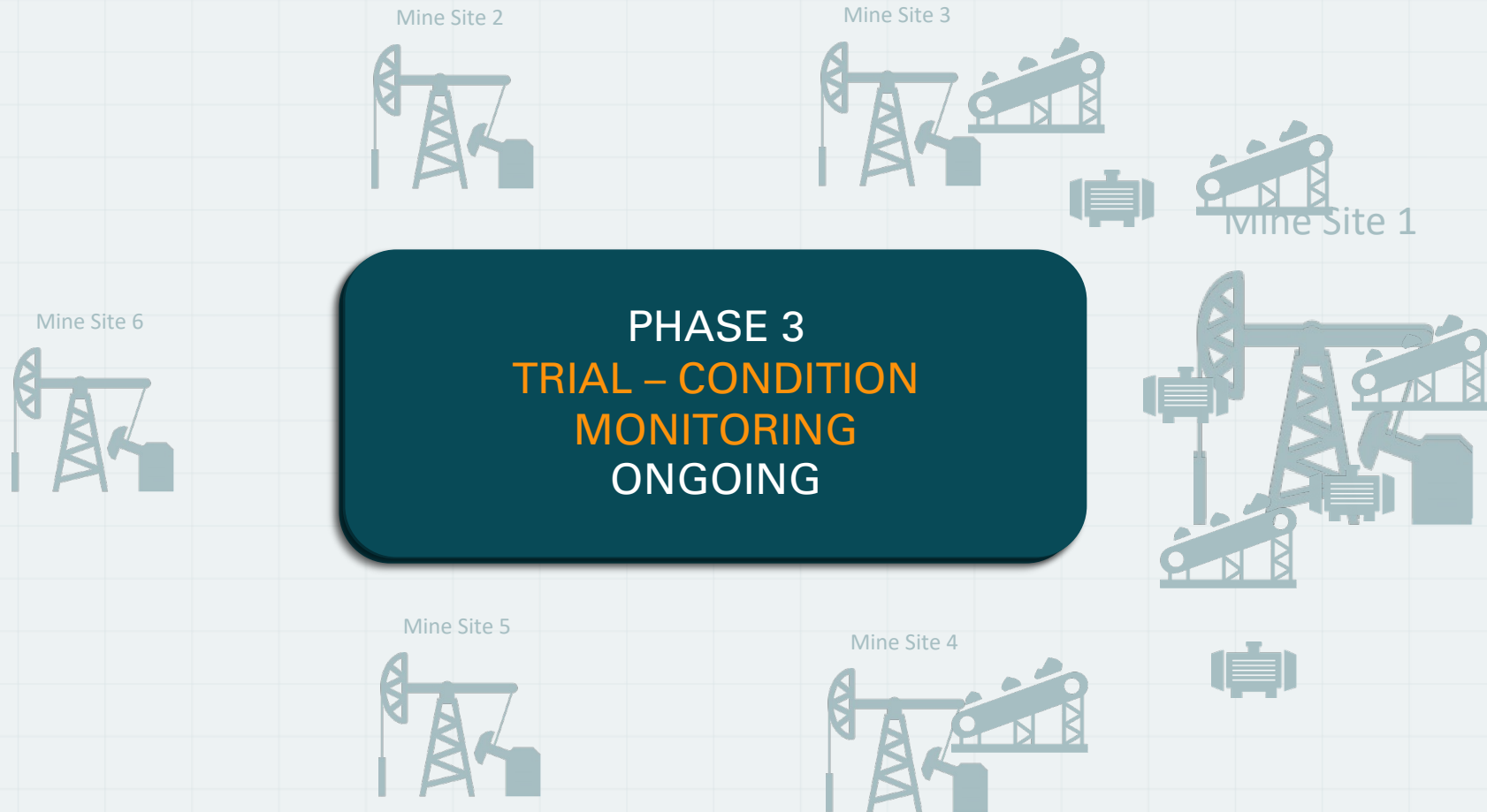


VV NET ZERO
AUDITABLE REPORTING



CASE STUDY - ENDEAVOUR GOLD MINES WEST AFRICA

WHAT WE'VE DELIVERED



CASE STUDY - ENDEAVOUR GOLD MINES WEST AFRICA

SERVICES PROVIDED

VV POWER

Power Monitoring and Analysis



VV ASSET

Condition Monitoring of larger motors



VV NET ZERO

Group monitoring, auditing and reporting of Scope 1 & 2 emissions data



CASE STUDY - ENDEAVOUR GOLD MINES WEST AFRICA

BENEFITS AND BUSINESS CASE

- \$2.9m OPEX reduction (see table)
- 15% reduction in CO₂ emissions (single site)

COST VS SAVINGS ANALYSIS

	Annual Cost	Annual OPEX Saving**	CAPEX Saving (1-off)	Savings to Cost Ratio
Mine 1	\$66,000	\$1,016,000	\$1,445,000	37x
Mine 2	\$55,000	\$1,900,000	NA	34.5x
Group*	\$320,000	\$2,916,000	£1,445,000	X13.6

*Cost from all six sites included with savings from only two

**OPEX savings require management so recur annually

SUMMARY

- Helps you to identify up to 10% reduction in your static power consumption and emissions, right NOW
- Accurately report your Scope 1 & 2 static power emissions
- Improve asset productivity, reduce downtime and increase assets' lifetimes



Q&A

	Yesterday 2023-06-06	Last Month Avg. All days over minimum	Yesterday vs. Last Month Avg.	This Month To 2023-06-06	Last Month 2023-05
Total Power Used (kWh)	1,669,575	1,529,536	+9.2 %	9,046,799	47,415,623
Grid Power (kWh)	718,527	702,697	+2.3 %	3,671,502	21,783,601
Genset Power (kWh)	951,048	826,839	+15.0 %	5,375,297	25,632,022
Power Used (kWh) - Process Plant	1,408,525	1,261,776	+11.6 %	7,689,369	39,115,070
Genset Fuel (l)	37,700	42,153	-10.6 %	353,523	1,306,757
Fleet Fuel (l)	81,937	326,830	-74.9 %	1,673,333	10,131,738
Grid Emissions (t CO ₂ -e)	364	357	+1.7 %	1,839	11,079
Genset Emissions (t CO ₂ -e)	101	113	-10.6 %	949	3,510
Fleet Emissions (t CO ₂ -e)	227	906	-74.9 %	4,638	28,084
Process Plant Emissions (t CO ₂ -e)	236	1,086	-78.2 %	5,500	24,500



VOLT | VISION

For further information or to arrange a trial,
please contact:



MANOLI YANNAGHAS
FOUNDER/ MANAGING DIRECTOR

E: Manoli@voltvision.live
M: +44 (0) 7881 820818

WWW.VOLTVISION.LIVE