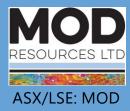


Disclaimer & Forward Looking Statements



Feasibility Study - Cautionary Statement

The FS is based on Probable Ore Reserves derived from Indicated Mineral Resources only. No Inferred or Measured Mineral Resources were included in the estimation of Ore Reserves. The FS was prepared to an overall level of accuracy of ±15%. It is based on material assumptions outlined elsewhere in this announcement and in the Reserve update, announced 25 March 2019. There is no certainty that the FS or the Ore Reserve from which it was derived will result in commercial production or the assumptions used in the FS and resulting economic outcomes that are included in this announcement will be realised. Given the uncertainties involved, investors should not make any investment decisions based solely on the FS. The Company has concluded it has a reasonable basis for providing the forward-looking statements included in this announcement.

Forward Looking Statements and Disclaimers

This announcement includes forward-looking statements that are only predictions and are subject to risks, uncertainties and assumptions, which are outside the control of MOD.

Actual values, results, interpretations or events may be materially different to those expressed or implied in this announcement. Given these uncertainties, recipients are cautioned not to place reliance

on forward-looking statements in the announcement as they speak only at the date of issue of this announcement. Subject to any continuing obligations under applicable law and ASX Listing Rules, MOD does not undertake any obligation to update or revise any information or any of the forward-looking statements in this announcement or any changes in events, conditions or circumstances on which any such forward-looking statement is based.

This announcement has been prepared by MOD. The document contains background information about MOD current at the date of this announcement. The announcement is in summary form and does not purport to be all-inclusive or complete. Recipients should conduct their own investigations and perform their own analysis in order to satisfy themselves as to the accuracy and completeness of the information, statements and opinions contained in this announcement.

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Previously Reported Information

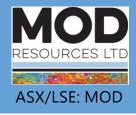
This announcement includes information that relates to the T3 Mineral Resource and T3 Ore Reserve which were prepared in accordance with the requirements of the JORC Code (2012). This information was included in the Company's previous announcements as follows:

ASX announcement dated 25 March 2019, MOD Delivers 61% Increase in T3 Ore Reserve to 34.4Mt.

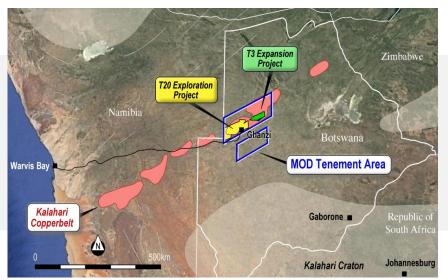
ASX announcement dated 16 July 2018, 13% Increase to T3 Indicated Resource Category

These announcements are available at the Company's website www.modresources.com.au

WORLD CLASS MINING JURISDICTION







T3 COPPER PROJECT

- > T3 Copper Project Feasibility Study completed
- > 342.7Kt (~756mlb) copper T3 Ore Reserve
- > 57% increase in contained Cu;107% increase in contained Ag1
- > 11.5 year mine life producing ~28kt (61mlb) Cu per year
- > 30kt (66mlb) Cu for 7 years after ramp-up
- Lowest Quartile AISC of \$1.56/lb
- \rightarrow NPV_{8%} = US\$368m (pre-tax) with 33% IRR
- > Payback period = 3.7 years

Notes:

(1) Compared to Pre-Feasibility Study announced 31 January 2018

FEASIBILITY STUDY HIGHLIGHTS



ROBUST PRODUCTION

~28ktpa with 7 years1 over 30ktpa

LOW PAYBACK

3.7 years (31% LOM)

OUTSTANDING FINANCIALS

Revenue: US\$2.3 billion

EBITDA: US\$1.1 billion

Notes:

- (1) 2021-2028 following ramp-up
- (2) Pre-tax NPV with 8% discount rate
- 3) Pre-tax IRR
- (4) Total Free Cash Flow
- (5) Development capital excludes \$84 m sustaining capital
- (6) AISC = C1 Costs By-product credits + Royalties + Sust Capital
- (7) AISC margin assumes a long term \$3.08 per pound copper price

COMPELLING NPV²

US\$368 million

STRONG CASHFLOW

US\$777 million⁴

LOWEST QUARTILE AISC

US\$1.56/lb6

EXCELLENT IRR

33%³

LOW CAPITAL

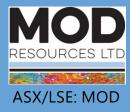
US\$182 million⁵

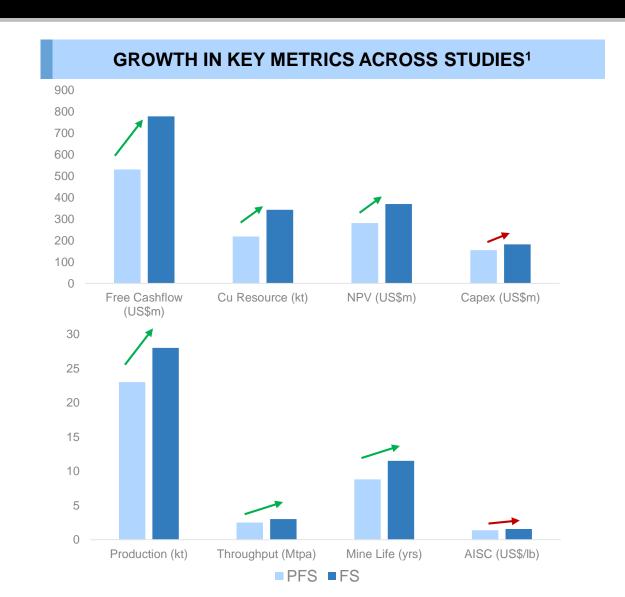
STRONG MARGINS

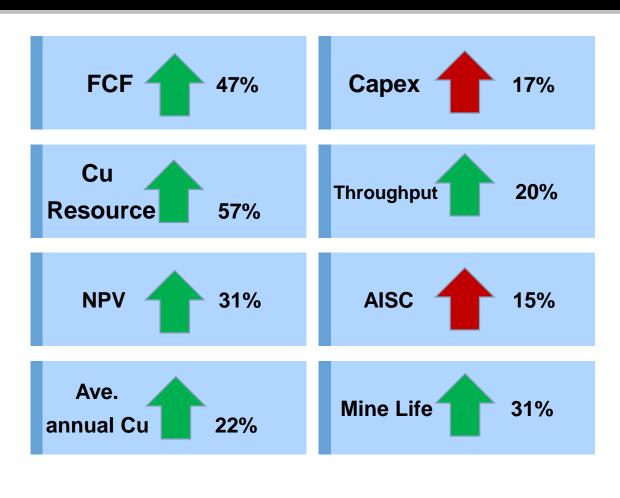
EBITDA: 47%

AISC: 49%⁷

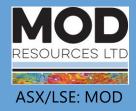
THE VALUE OF T3 COPPER PROJECT







COPPER DEVELOPMENT PROJECTS



LOOKING FOR LEVERAGE

109 GLOBAL PROJECTS⁽¹⁾

- > Ave. project development capital ~US\$2.4bn
- Ave. LOM production ~79ktpa Cu
- > Ave. Capital Intensity ~US\$13,629/t Cu eq
- Ave. Market Cap ~US\$11bn

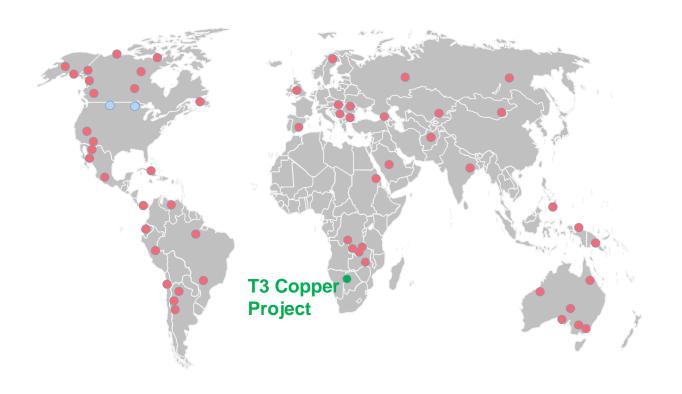
3 PROJECTS

- > <US\$2bn market cap</p>
- > <US\$500m development capital
- > Ave. expected annual Cu production +20kt

1 PROJECT

- > Copper-belt scale potential
- > Supportive and stable jurisdiction
- > Under-explored
- > Robust first mine economics
- > Expandable mining hub
- > Numerous untested regional targets

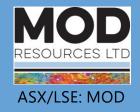
GLOBAL COPPER PROJECTS

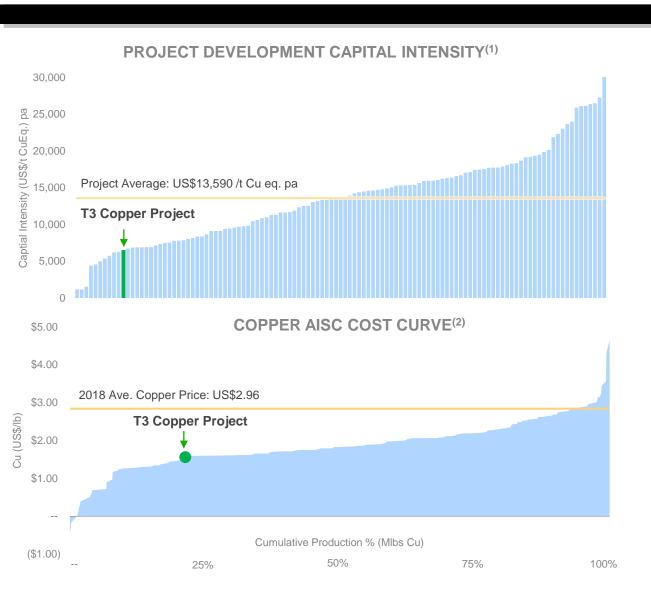


Source:

(1) Wood Mackenzie Q4 2018 Possible, Probable and Base case in construction data and Company Reports

FEASIBILITY STUDY FINANCIALS





OUTSTANDING ECONOMICS

- > Revenue: US\$2.3 billion
- > EBITDA: US\$1.1 billion
- > NPV 8% pre-tax: US\$368 million
- Total Free Cash Flow: US\$777 million
- > Development Capex: US\$182 million
- Sustaining Capex: US\$84 million
- > IRR pre-tax: 33%
- AISC: US\$1.56 / lb

Notes

- (1) Wood Mackenzie Q4 2018 Possible, Probable and Base case in construction data and Company Reports
- (2) BMO Data

T3 COPPER PROJECT CAPITAL COSTS

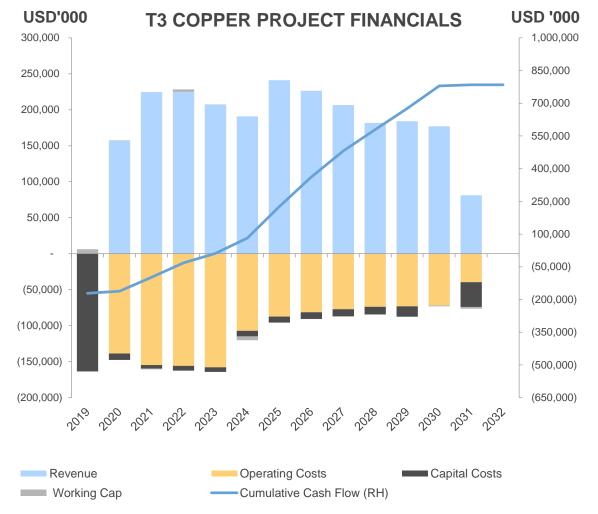


DEVELOPMENT CAPITAL COSTS	FS (US\$m)				
Direct Costs					
Mine Establishment	1				
Process Plant	49				
Site Infrastructure	23				
Tailings Storage (incl. SWM¹)	14				
Indirect Costs					
Project Indirects (based on EPC¹)	32				
Corporate and Owners	11				
Contingency ²	11				
Mining Pre-strip	41				
TOTAL DEVELOPMENT CAPITAL	182				



⁽¹⁾ SWM relates to surface water management. EPC relates to Engineering, Procurement and Contact services.

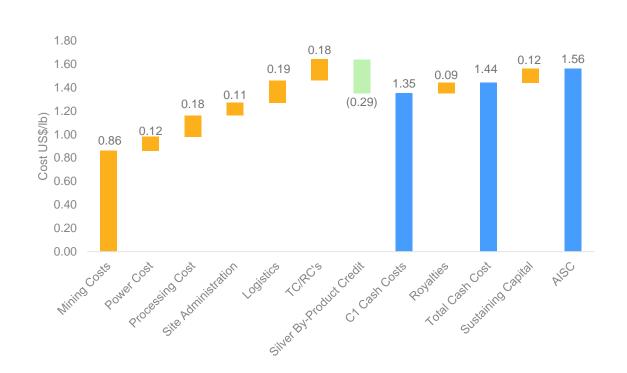
(2) No contingency applied to pre-strip costs



T3 COPPER PROJECT OPERATING COSTS

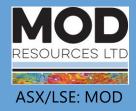


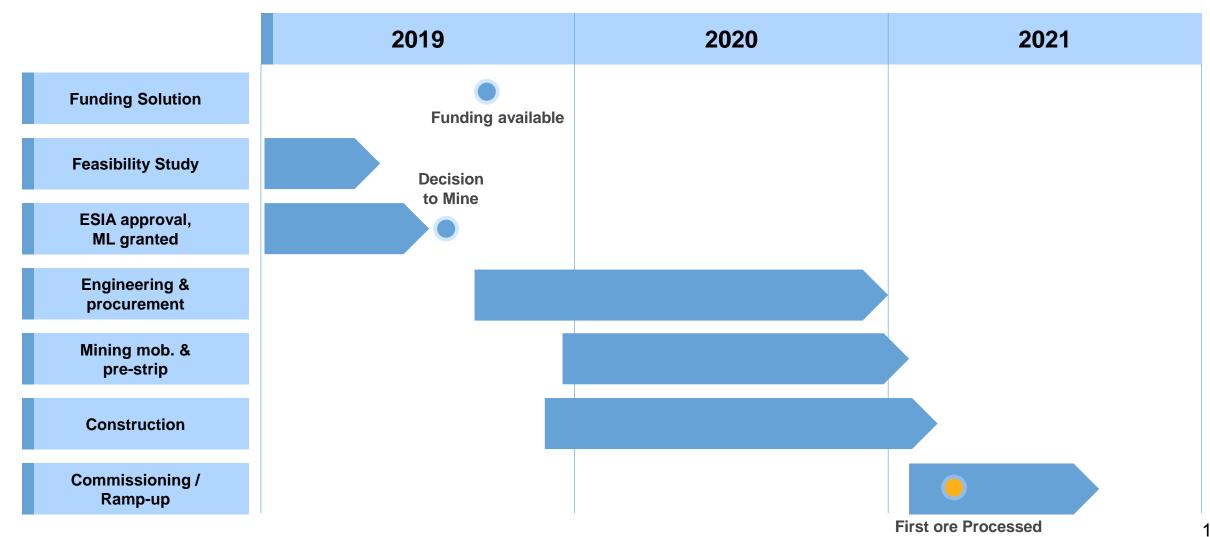
All-In Sustaining Cash Cost Breakdown (US\$/Ib)



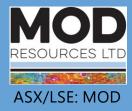
OPERATING COSTS	US\$/t milled	US\$/lb
Mining Costs	17.60	0.86
Power Cost	2.48	0.12
Processing Cost (excl. power costs)	3.61	0.18
Site Administration	2.18	0.11
Logistics	3.88	0.19
Treatment and Refining Charges	3.76	0.18
Silver By-Product Credit	(5.96)	(0.29)
Operating Costs (C1 Cash Costs)	27.55	1.35

THE PATHWAY TO PRODUCING COPPER





FUNDING PROGRESS



- > TOTAL FUNDING: Proposed debt to equity structure of ~60:40
- DEBT: Received EOI from selected top-tier, global debt providers; many conducting preliminary due dilligence (inc. site visits)
- PROCESS: Post FS Request for Proposal for debt funding; targeting debt agreement finalization by Q3 2019
- STREAMLINED: ITE's to be appointed after FS to support financing process
- > EQUITY: Advancing non-debt discussions



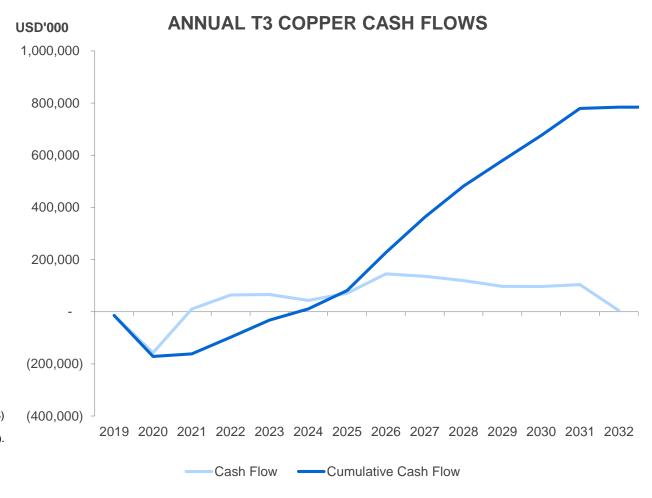
T3 COPPER PROJECT FEASIBILITY STUDY



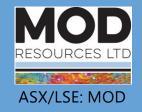
Life of Mine Financial E	Economics (US\$)
Long term copper price (consensus average)	\$3.08lb ¹
Revenue (net of payability)	\$2,301m
nit Revenue (Net of payability)	\$2.98/lb
C1 Cash Costs ²	\$1.35/lb
ull in Sustaining Costs ³	\$1.56/lb
BITDA	\$1,083m
et Cash Flow (pre-tax)	\$777m
ndiscounted Cash Breakeven Copper Price	\$2.15/lb
re-tax NPV (8% real)	\$368m
R (pre-tax)	33%
apital Payback Period (from first production)	3.7 Yr(s)

Notes:

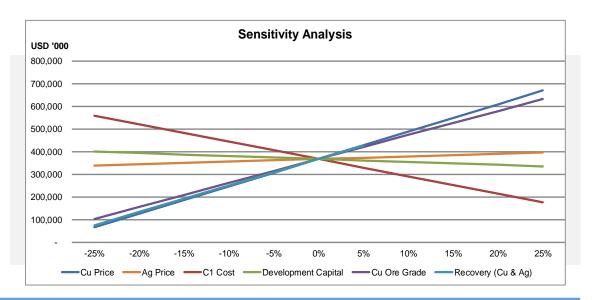
- Copper prices in year 1, 2 & 3 of production averages 3.11 US\$/lb Cu (2021), 3.16 US\$/lb (2022), 3.21 US\$/lb (2023)
 C1 cash costs means operating cash costs including mining, processing, geology, OHSE, site G&A, concentrate transport, TC and RC costs less by-product credits, divided by copper in concentrate produced (100% payable basis).
 All-in sustaining cash costs are cash operating costs (C1 cash cost including royalties) plus sustaining capital.



SENSITIVITY ANALYSIS

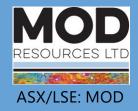


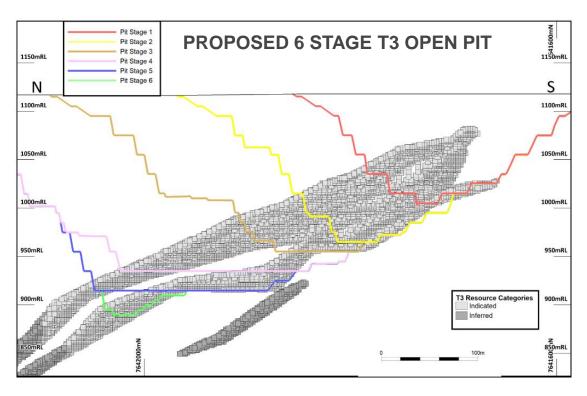
- SENSITIVITIES: NPV is most sensitive to copper price, copper grade and copper recovery
- > 1c/lb change in copper price = \$4 million NPV impact
- > 1% change to recovery = \$12 million NPV impact



PARAMETERS	SENSITIVITIES SENSITIVITIES										
FARAMETERS	-25%	-20%	-15%	-10%	-5%	0%	5%	10%	15%	20%	25%
Copper Price	66	126	187	247	308	368	429	489	550	610	671
Copper Ore Grade	103	156	209	262	315	368	421	474	527	580	633
Copper and Silver Recovery	75	134	193	251	310	368	427	-	-	-	-
Silver Price	340	346	351	357	363	368	374	380	385	391	397
Development Capital	401	394	388	381	375	368	362	355	349	342	336
C1 Costs	560	522	484	445	407	368	330	291	253	215	176

ENHANCED RESOURCE BASE





- Notes:
- The Probable Ore Reserve is based on the Indicated category of the Mineral Resource. No Inferred category
 has been included.
- 2. In a scheduling period, the lowest average grade of ore added to the process plant feed was 0.22% Cu.
- 3. Ore Reserves are calculated based on a copper price of US\$2.91/lb and a sliver price of US\$16.81/oz.
- 4. Ore loss and dilution were applied to the Mineral Resource model in a two-step process which resulted in an ore loss of approximately 9% and a diluted tonnage addition of approximately 8%.
- 5. Metallurgical testwork recoveries were applied in accordance to the recovery algorithms developed from the variability testwork program conducted during the feasibility study.
- 6. Appropriate modifying factors were applied.

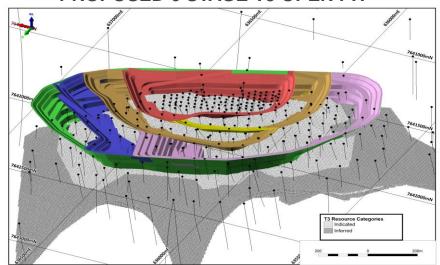
- PIT DIMENSIONS: 1,400m long, 700m wide and 250m deep
- GEOTECHNICAL: Detailed structural assessment; defined
 3 geotechnical zones
- SLOPE ZONES: Top 20m (27°), Hanging wall (57°), Footwall (35°)
- > STRIP RATIO: LOM 5.7:1

Ore Reserve Category	-	Сор	per	Silver		
	Tonnes (Mt)	Grade (%)	Kt	Grade (g/t)	Moz	
Proven	-	-	-	-	-	
Probable	34.4	1.0	342.7	13.2	14.6	
Total Ore Reserve	34.4	1.0	342.7	13.2	14.6	

SIMPLE GEOLOGY; CONVENTIONAL MINING



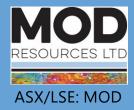
PROPOSED 6 STAGE T3 OPEN PIT

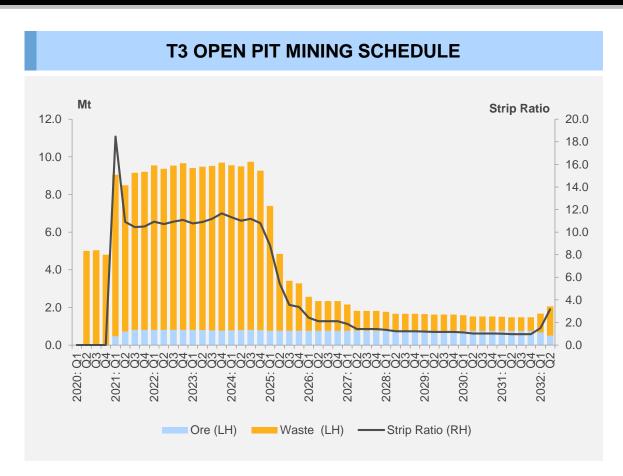


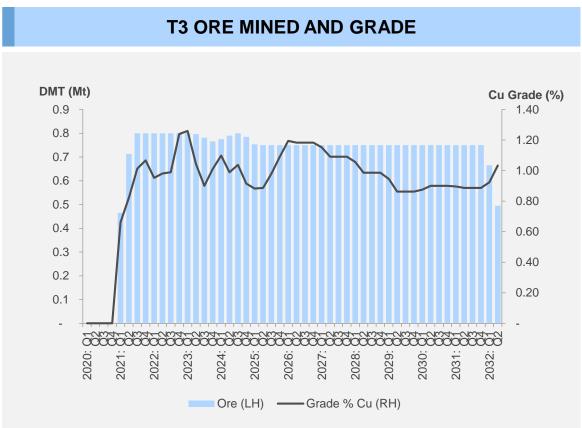
- OPEN PIT: Conventional mining, load & haul, stockpiles with ROM
- > CONTRACTOR MINING: Reduces operational risk
- DRILL & BLAST: 10m benches
- MINING: Ore mined on 2.5m flitches, waste on 3.5m flitches
- > STOCKPILES: Waste, mineralised waste and low-grade stockpiles
- > GRADE CONTROL: In pit RC on 12m x 6m angled pattern
- > 6 STAGED PITS: Enables deferment part capital

PARAMETERS	OPEN PIT MINING STAGES								
PARAIVIETERS	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	TOTAL		
Ore (Mt)	2.9	4.0	4.0	8.9	9.0	5.7	34.4		
Waste (Mt)	24.2	16.9	24.4	65.3	36.0	29.1	195.9		
Material Mined (Mt)	27.1	20.9	28.4	74.2	45.0	34.7	230.4		
Stripping Ratio	8.2	4.2	6.1	7.4	4.0	5.1	5.7		
Cu grade (%)	1.0	1.1	1.1	1.1	0.9	0.9	1.0		
Ag grade (g/t)	9.9	14.2	12.1	16.8	11.7	12.5	13.2		

T3 COPPER PROJECT PRODUCTION







- MINING FLEET: up to 5 excavators (120-250t), up to 24 haul trucks (140t)
- TOTAL MATERIAL MINED: Average annual movement ~38Mt Y1-Y4

YEAR 5: Average annual movement ~8Mt Y5-EOM

- ORE: Average ore quarterly ore mined 750kt LOM
- > GRADE: LOM Average 1.0% Cu and 13.2 g/t Ag

METALLURGY



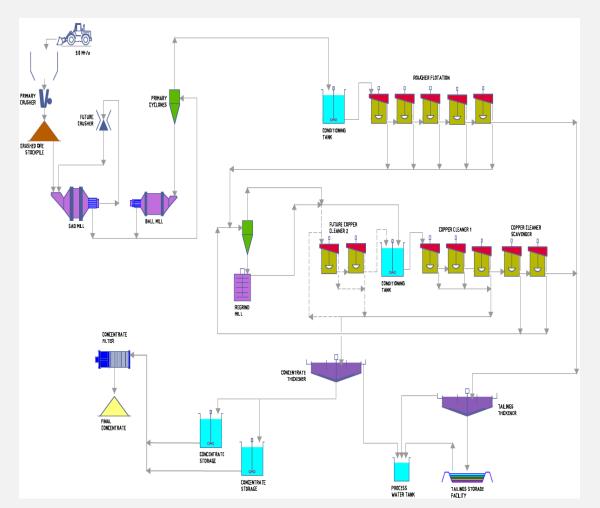
- > T3 COMPOSITION: Chalcopyrite, bornite and chalcocite
- > COMMINUTION: Ore is moderately competent, abrasive and hard
- > FLOTATION FLOWSHEET: Rougher flotation; single stage cleaner; cleaner scavenger
- GRIND: Primary grind P₈₀ 180μm; natural rougher flotation, rougher flotation regrind P₈₀ 90μm; cleaner flotation pH 11
- > **RECOVERIES:** 92.9% Cu, 88.0% Ag
- > CONCENTRATE: Ave. grade 30.4% Cu, peak grade 34.7% Cu



T3 COPPER PROJECT PROCESSING

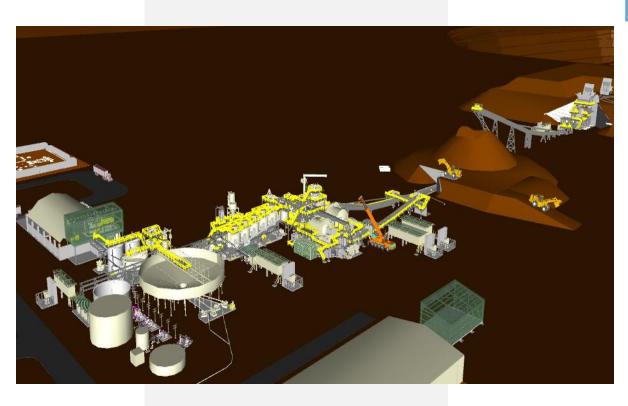


- > PROCESSING: Conventional circuit; 91.5% availability
- > CRUSHING: 3.0Mt crusher; SAG and Ball Mill
- GRIND: 180μm then tower mill to regrind to 90μm
- > FLOTATION CIRCUIT: Rougher, regrind, cleaner/scavenger
- > CONCENTRATE: Thickened and filtered
- > TAILINGS: Thickened; discharged to TSF (34.4Mt capacity)

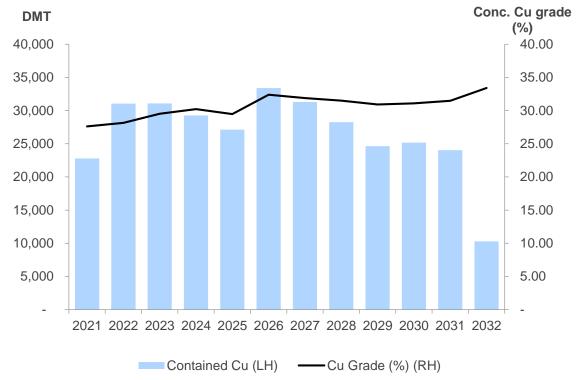


T3 COPPER PROJECT PROCESS PLANT LAYOUT





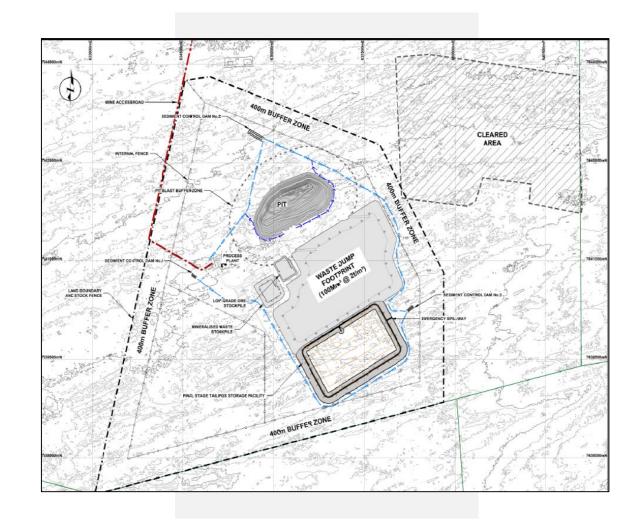
CONTAINED COPPER vs CONC. GRADE



T3 COPPER PROJECT INFRASTRUCTURE



- > ACCESS ROAD: Unsealed, all weather ~14km x 12m wide
- > HAUL ROADS: Unsealed, all weather, calcrete sheeted
- > ACCOMMODATION: 400-person camp, 80km from site
- > POWER: Grid power (~2020)
- > BORE FIELD: ~1.5km west of open pit
- > PROCESS PLANT: <1km from open pit
- > WASTE DUMP: ~192Mt capacity, expandable
- > TSF: Engineered; HDPE lined; 34.4Mt capacity; 68% solids



PERMIT AND APPROVALS



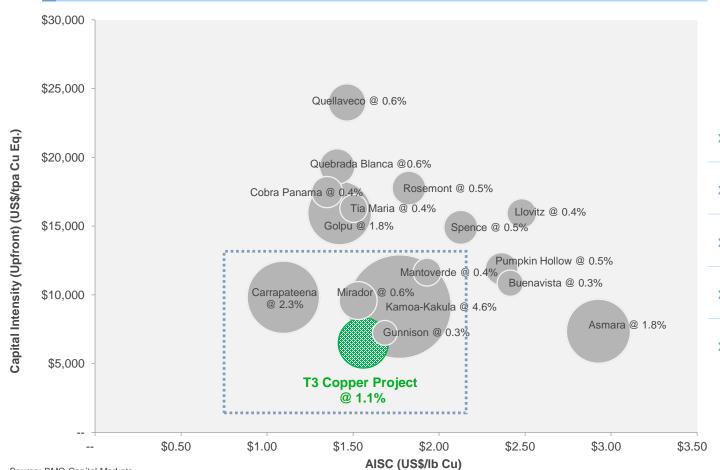
- > PROCESS: Well defined; significant public consultation; transparent
- > ACCESS AGREEMENTS: Land access & landowner agreements in place
- ESIA: DEA provided feedback on DRAFT ESIA 11 March; MOD preparing response to comments received; once reviewed ESIA is updated and submitted to DEA a 4-week public consultation process commences
- MINING LICENCE: Upon final ESIA approval a mining licence application will be made



DEVELOPMENT PROJECT COMPARISONS



T3 COPPER PROJECT vs SELECTED GLOBAL DEVELOPMENT PROJECTS¹



- FEW PEERS: Low capital intensity, low cost, good grade
- **BOTSWANA:** Excellent mining and Investment jurisdiction
- **GEOLOGY:** Upgraded Reserve, strong grade
- METALLURGY: 92.9% Cu recovery, 30kt production²
- COSTS: Lowest quartile AISC of US\$1.56/lb

Expected average annual copper production after ramp-up between 2021 and 2028

1. Bubble size represents Cu Eq. grade ranging from 0.3% to 4.6% Cu Eq.

DEVELOPMENT PROJECT COMPARISONS

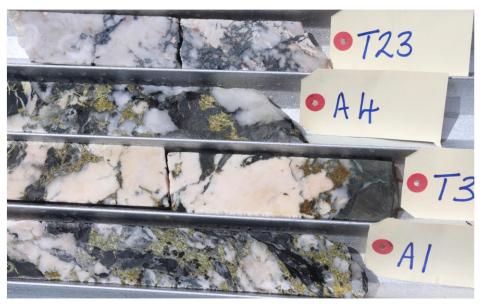


	Units	Т3	Gunnison	Mantoverde	Carrapateena	Mirador	Kamoa-Kakula
Owner(s)		MOD (100%)	Excelsior Mining (100%)	Audley Capital Advisors 60%, Orion Mine Finance 40%	Oz Minerals 100%	Corriente Resources 3.1%, CRCC Tongguan 96.9%	Ivanhoe (39.6%), Zijin (39.6%), DRC (20%), Other (0.8%)
Location		Botswana	USA	Chile	South Australia	Ecquador	DRC
Study Stage		FS	FS	FS	Construction	Post-FS	PFS
Mine Type		OP (UG Potential)	OP	OP	UG	OP	UG
Reserve	(kt Cu Eq.)	381	2,044	329	1,800	4,262	11,340
Reserve Grade	(% Cu Eq.)	1.1%	0.3%	0.4%	2.3%	0.6%	4.6%
LOM Avg. Production	(ktpa Cu Eq.)	28	43	73	75	118	385
LOM Avg. C1 Cash Cost	(US\$/lb Cu)	\$1.35	\$0.95	\$1.60	\$0.63	\$1.05	\$1.18
LOM Avg. AISC	(US\$/lb Cu)	\$1.56	\$1.68	\$1.93	\$1.09	\$1.53	\$1.77
Mine Life	(Years)	11.5	24.0	17.0	21.0	31.0	29.0
Development Capital Cost	(US\$ mm)	\$182	\$311	\$854	\$733	\$1,134	\$3,524
Capital Intensity	(US\$/tpa Cu Eq.)	\$6,500	\$7,238	\$11,647	\$9,827	\$9,588	\$9,145
First Production Year	(Year)	2021	2019	2022	2019	2020	2021

T3 COPPER PROJECT NEXT STEPS



- > ESIA: MOD expects to submit a second DRAFT ESIA in April 2019
- > T3 INFILL DRILLING: Objective of upgrading early production to JORC compliant Measured category
- HYDROGEOLOGY: Pumping tests of selected bores before dewatering; update hydrogeological model
- ACCOMMODATION: Q2 2019 finalise design for expansion to 400-person camp; submit camp EMP to DEA
- > IMPLEMENTATION STRATEGY: Early contractor engagement, tender strategy; planning of infrastructure pre-works
- T3 UNDERGROUND STUDY: Completed Q1 2019; very encouraging results; additional Resource drilling planned; expect study to be finalized during H2 2019



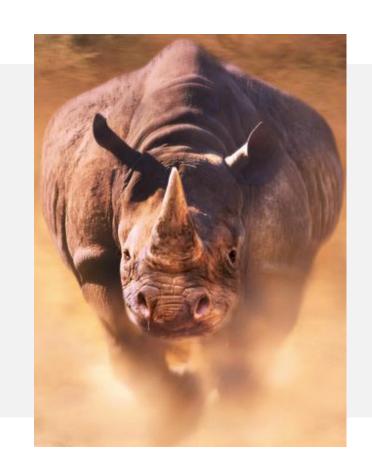


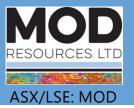
BEGINNING OF A MUCH LARGER STORY

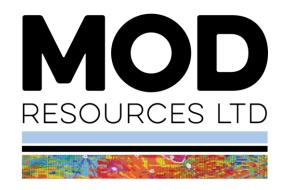


COMPELLING GROWTH AND VALUE OPPORTUNITY

- > UNIQUE POTENTIAL: MOD has dominant holding
- > HISTORY: Minimal prior drilling; huge soil anomaly area;
- > INVESTMENT DRIVERS: Right team, right place, right commodity
- > T3 COPPER PROJECT: Long life, low-capital, high-margin copper project
- GROWTH: T3 Mining hub targeting greater Cu production
- > T3 EXPANSION: Numerous satellite targets include T3 U/G, A4 and A1 domes







www.modresources.com.au ASX / LSE: MOD









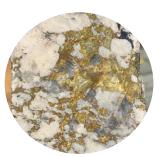
IR@modresources.com.au



Corporate office +61 8 9322 9233



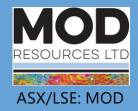
First Floor, 1304 Hay Street West Perth WA 6005 Australia







MOD – RIGHT TEAM





Julian Hanna Director



Mark Clements
Director



Steve McGhee Technical Director



Bronwyn Barnes
Non-Executive
Director



Simon Lee Non-Executive Director



Michael McNeilly Non-Executive Director



Gaba Chinyepi In-Country Manager



Kebalemogile (KB) Tau Exploration Manager

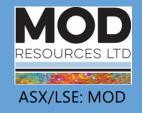


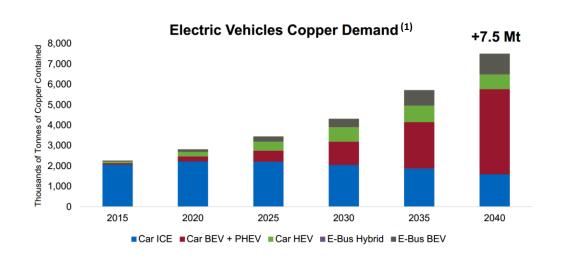
Stef Weber Chief Financial Officer



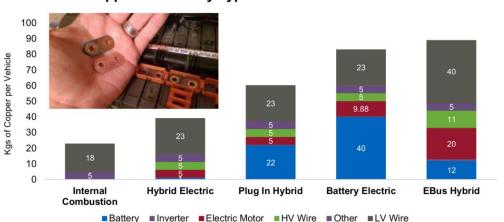
Jacques Janse van Rensburg Business Development Manager

COPPER – RIGHT COMMODITY





Copper Content by Type of Electric Vehicle(1)



STEADY DEMAND GROWTH

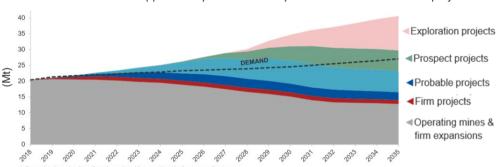
DEMAND GROWTH

- Chinese growth 2-3%; global growth 1-2% (1)
- Expected growth in EV and EV infrastructure
- > Expected growth in renewable energy technology

SUPPLY CONSTRAINED - PEAK PRODUCTION 2021(1)

- Grade decline to continue, few new projects
- > Limited new discoveries; challenging jurisdictions

Forecast committed copper mine production and potential from uncommitted projects*



Source: CRU

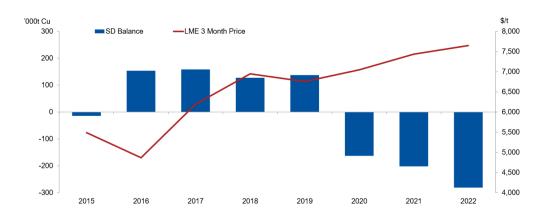
Notes:

COPPER – RIGHT TIME





Copper Supply Deficit Expected 2020 (2)



STRENGTHENING PRICE ENVIRONMENT

2018: Average 2018 copper spot traded \$6,527/t

2019: copper spot expected at \$6,559/t (1)

2020+: copper spot \$7,000/t (2)

T3 TARGET: First production timed to take advantage of this

Notes:

- (1) Based on Bernstein Research
- (2) CRU projections