

BUSINESS PLATFORM PRESENTATIONS

Underground Mining Platform – Orrie Fenn

26 June 2017





- Organisational Context
 - Structure, Service Offering, Client Base, Commodities
- Safety
- Strategic Themes
- Risks & Opportunities
- Prospects
- Key Projects





THE WORLD'S LEADING FULL-SERVICE UNDERGROUND MINING CONTRACTOR

| Entity | MRC ¹ | RUCC | CCI ² | | |
|---------------------------------|--|---|---|--|--|
| Region | Africa | Australasia & Asia | Americas & Europe | | |
| Service Offering | Specialist Mine Engineering (concept/pre-feasibility/feasibility to final design) | | | | |
| | Mine Development: Shaft sinking, development, construction, equipping & raise boring | | | | |
| | Contract Mining | | | | |
| Positioning - Differentiator | Africa's leading underground mining contractor Design-build capability World-class training facility at Bentley Park (British Safety Council Accredited) | Rapidly building track record in mine development in Australasia Manufactures own raise boring machines Strata 400 & 960 Operates largest raise-boring fleet in Australasia | The largest underground mining contractor in NA Strong Engineering expertise Excel at client relationship management 'negotiate rather than bid' approach | | |

Note: 1MRC=MRC SA & MRC Zambia. 2CCI=Cem Canada (CC), Cem United States (CUSA), Cem Mexico (CM), Cem Sudamérica (CSA), Merit Consulting (provides project & construction management consulting to mine owners - surface related) & Cementation Above Ground (CemAG) provides EPC services for bulk material handling/processing to the surface mining/minerals industry.



PLATFORM HAS A GLOBAL FOOTPRINT WITH STRONG LEADERSHIP & EXECUTIVE TEAMS







PLATFORM ENTITIES HAVE STRONG BRANDS: EXCELLENT HARD ROCK UNDERGROUND MINING CONTRACTOR REPUTATION















CEMENTATION'S RESUME INCLUDES SOME OF THE WORLD'S DEEPEST SHAFTS





- South Deep **world's** deepest single-drop shaft
- Kidd Mine Canada's deepest shaft







MOST KEY COMMODITIES REPRESENTED IN PLATFORM'S PORTFOLIO



Good spread of commodities in order book: Manganese represented by the Kalagadi project





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Mine Development & Construction • Shaft Sinking • Raise Boring • Feasibility & Design Engineering Contract Mining • Process Facilities Construction • Project & Construction Management • Material Handling



SAFETY A KEY DIFFERENTIATING FACTOR IN THE MINING INDUSTRY

- Platform's mantra: 'We Deliver Mines Safely'
- Fully support Group's HSE framework & Stop. Think. Act 24/7
 - Focus on lead indicators & critical controls (MAP)
- MRC 19 months fatality-free
 - MRCSA (85% of workforce) 32 months fatality-free: CCI 28 months fatality-free
- Platform FY17 LTIFR & TRCR = 1.4 (FY16 = 2.2) & 7.5 (FY16 = 11.7)
 - Compares very favorably with industry benchmarks worldwide
- Significant reduction in Level 4/5 incidents (3 YTD) & FRCP violations (5 YTD)
- 230 team members will be injured in FY17 (3.5% of workforce or ~1:30); 52% First Aid
- All entities OHSAS 18001 accredited
- Many projects worldwide delivering best-in-class safety performances (LTI-free days)
 - Eagle (1274), Lucky Friday (2710), Goderich (840), Venetia Decline (1266), Karari (870)









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MRC

RUCC

C C C

PLATFORM GROWTH ORGANIC-DRIVEN: SELECTIVE BOLT-ON ACQUISITIONS CONSIDERED

- Drive focused African strategy via targeted client engagement & selective local partnerships
 - Further develop Rapid Access Development capability
 - Enhance/hone Trackless Mechanised Mining skills/ability
 - Continue to consolidate, promote & expand mine development service offering
 - Maximise high-margin raise boring work irrespective of location
 - Further develop Asia Pacific Rim market
 - Secure additional long-term base load in (large) block caving project(s)
 - Increase North America (Canada) market penetration
 - Build an engineering-driven (client engagement) sustainable international strategy
 - Develop & grow CemAG & Merit capabilities to exploit improved market conditions
 - Grow South American market through strategic partnerships

Significant organic growth opportunities exist in all key regions where UMP is currently active

Operational excellence a prerequisite to maximise margins: No loss making projects in FY17

Operations segment (contract mining) of value chain to generate >50% of platform revenue by FY19



GROWING ACTIVITY IN OPERATIONS SEGMENT: DEMAND STILL UNDERPINNED BY BROWNFIELD PROJECTS



Opportunities in the 'Development' segment are considered as & when they arise



INNOVATION AN UNDERPINNING STRATEGY TO DIFFERENTIATE SERVICE OFFERING

- Virtual reality 3D modelling tools & visualisation techniques as part of the design process
- Slurry-based injection hoisting system for muck/rock transport
 Joint winner of Goldcorp's global innovation competition (March 2017)
- Minetec ether-based network of wireless data communications for equipment/personnel tracking, production scheduling & safety compliance installed at Karari
 - Top 4 Mining Innovation Finalist at AUSTMINE 2017
- Autonomous LHD loading & point to point laser guidance, & automated production drilling through shift change (Karari)
- Testing world's first Cabolter simulator (Freeport)
- MRC exploring application of hard rock road headers under development by OEM's for rapid access development
- Continuous monitoring of raise boring cutter temperatures & rotation during operation
 - Trial planned for July 2017







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PLATFORM'S RISKS & OPPORTUNITIES

| Risks | Opportunities | |
|--|--|--|
| Commodity upturn stalls & demand tapers off Lack of skills impacts the platform's & the clients' ability to deliver projects under strong organic growth scenario Mining companies revisiting capital & operating spend & opting for ownermining route Failure to secure (large) Near & Category 1 Orders A poor safety record detrimentally influences chances of project awards Ramifications of new MPRDA & Mining Charter on ongoing/future investment by mining sector in South Africa | Leverage synergies between platform entities (including Merit Consulting & CemAG) to increase service offering to clients worldwide Organic growth opportunities in all key regions in which platform is active Oyu Tolgoi offers exciting prospects for the GCR Mongolia joint venture for both surface & underground works Potential opportunity to increase presence in Indonesia (Grasberg) Innovation & application of technology to differentiate service offering Potential to expand contract mining contribution to increase annuity income stream | |





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ORDER BOOK HAS IMPROVED & SHORT TO MEDIUM TERM ORGANIC GROWTH PROSPECTS REMAIN EXCITING

| MRC | Near orders include Venetia & Mufulira Key targets include Bokoni, Mponeng, Platreef, Swartberg, Munali, |
|----------------|--|
| ~R9.3bn | Booysendal, Wesizwe Good progress made by Kalagadi & project could commence shortly* |
| CCI ~R3.1bn | Near orders Kennecott, Cargill & Eagle East Key targets include Vale CCM, IC Potash, Oxbow & Onaping Depth Increasing engineering-led international opportunities (outside Americas) |
| RUCC | Mt. Morgans awarded (~\$200m) over 3 years + 2 one year options to extend |
| ~R3.0bn | - 40km decline & lateral development, 5km boxhole boring, 423km production drilling Saracen's Karari/Deep South/Whirling Dervish tendered June 2017 Work awarded at Oyu Tolgoi to GCR JV (potential \$350m pipeline for JV) Large hole raiseboring & shaft sinking prospects looking bright |

| June 2015 | June 2016 | April 2017 | Growing platform pipeline opportunities of ~R80bn & a strong order book indicates promising signs of market |
|-----------|-----------|------------|---|
| R16.7bn | R14.3bn | R15.4bn | recovery (in most key commodities): Platform well positioned to exploit upturn in the commodity cycle |



SIGNIFICANT DEVELOPMENT WORK OPPORTUNITY AT VENETIA ON COMPLETION OF MAIN SHAFTS







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 - Goderich, Freeport, Booysendal

Freeport





GODERICH DEMONSTRATES CEMENTATION CANADA'S (CC) DESIGN & ENGINEERING CAPABILITIES

- Goderich biggest underground salt mine in the world
- Situated 550m under Lake Huron (Ontario)
- Compass Minerals put the project out to tender with a prescribed methodology
- Selected CC as the EPC contractor to design/construct two headframes & design/replace linings in two existing shafts
- CC proposed an alternate approach to de-risk the project
- Liner design in water bearing zone consisted of 45t steel cylinders (6m x 4.4m) lowered & welded in place to create a water tight seal
- Unique design solution eliminated blasting impact reducing substantially the risk of any uncontrolled water inflows
- One reportable safety incident in 29 months to date
- Strong Owner-Contractor relationship leading to scope growth with potential for more (Goderich & other mines)







RUCC'S FULL RANGE OF SERVICES ON SHOW AT GRASBERG

- Freeport-McMoRan's Grasberg mine (Indonesia)
 - World's largest gold mine & third largest copper mine
- RUCC current contract tenure 2011-2020
 - Cost reimbursable contract
- Scope has steadily grown since Jan 2011
 - Initial entry via raiseboring; then shaft design/construction with CC
- RUCC's scope of work includes:
 - Raiseboring, shaft operation
 - Underground construction, rehabilitation, ground support
 - Cablebolting (15 rigs 2.6m metres of cable); thread bar (1.6m)
 - Shotcrete (173k m³), split sets/resin bolts (214k), mesh (18k sheets)
- Team members 656
 - RUCC particularly successful in training/upskilling local labour
- 2 LTI's in four years



ENGINEERED EXCELLENCE





MRC IS BUILDING BOOYSENDAL: A MEGA MINE IN THE MAKING*

- Northam Platinum Booysendal mine (Mpumalanga)
 - 105moz PGM resource; UG2 & Merensky ore bodies
- Mechanised board & pillar mine utilising low profile TMM
 - Mining fleet 169 (52 LHDs + 23 Drill Rigs + 27 Bolters)
- Production UG2 200kt/month & Merensky 25kt/month
 - 185k ounces (steady state) reached in FY17
 - Steady sustainable output over past 12 months
 - UG 2 deepening to yield additional 30koz/year
- 3 chairlifts 2000m in total (capacity 900 people/hr), footwall decline belt 2150m, 14 strike belts >5600m
- MRC team 1900 strong (across all disciplines)
- First blast of Central mine declines 20 May 2017
 - 14 month development prior to stoping commencement
- Seven year relationship with the client
- LTIFR = 0.8 & TRCR = 5.7 (YTD)













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