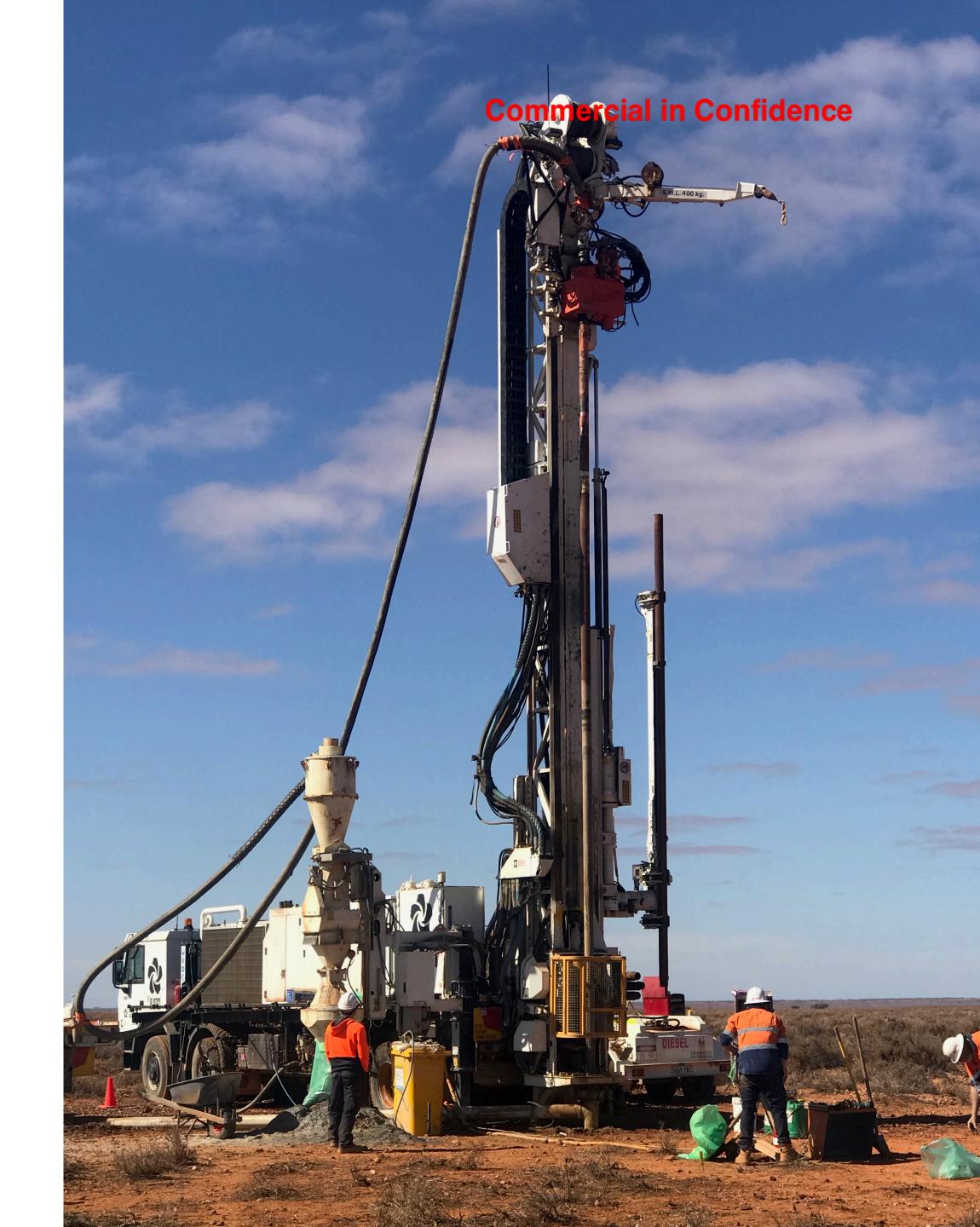
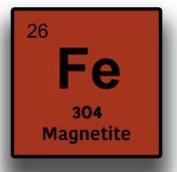




OLARY FLATS PROJECT KEY FEATURES JANUARY 2021









- The Braemar Iron Province of South Australia hosts vast deposits of magnetite iron ore
- ❖ Lodestone has best in-situ magnetite grades in the Braemar up to 2X that of competitors
- ❖ Production potential of Olary licences is 50 million tpy of magnetite for >50 years
- ❖ Will be "Started Small & Expanded Rapidly" obviating large capital needs and limiting dilution
- Concentrates with high Fe & low SiO2 for Direct Reduction (DR) steel making can be produced
- The antidote for declining Pilbara Fe grades and increasing deleterious elements
- Letters of Intent are in place for up to 20 million tpy of magnetite concentrate
- The development is being sequentially de-risked
- Several development breakthroughs allow the approach of "Start Small Expand Rapidly"





- At Olary NE 12 &13 JORC resources by H&SA are > 500 million tonne averaging 21% DTR.
- PFS drilling is completed chemical analysis and DTR pending -Will convert resources to JORC "Indicated" & "Measured" categories
- At Olary Creek JORC resources by SRK are 510 million tonne with average DTR >26% 214 million tonne of "Indicated" will convert to reserves at PFS
- Further development underwritten by Letters of Intent (LOI's) for up to 20 million tpy - to convert to firm Sales and Purchase Agreements (SPA's) as part of any construction funding



RESOURCES - WHY LODESTONE







- High Concentrate iron grades possible up to 70%
- Negligible deleterious components
- Good particle size distribution and blane index achieveable
- Ideal for making Direct Reduction Pellets
- Strong, highly reducible pellets can be produced
- Slag rate from the EAF will be minimal

5 6 7 8 9 10 11 12 13 14 NO: 102 Commercial in Confidence
9

Mass Rec %	Rougher Rej %	Fe %	SIO2 %	AL2O3 %	P %	S %
25	30.9	70	1.82	0.24	0.005	nil

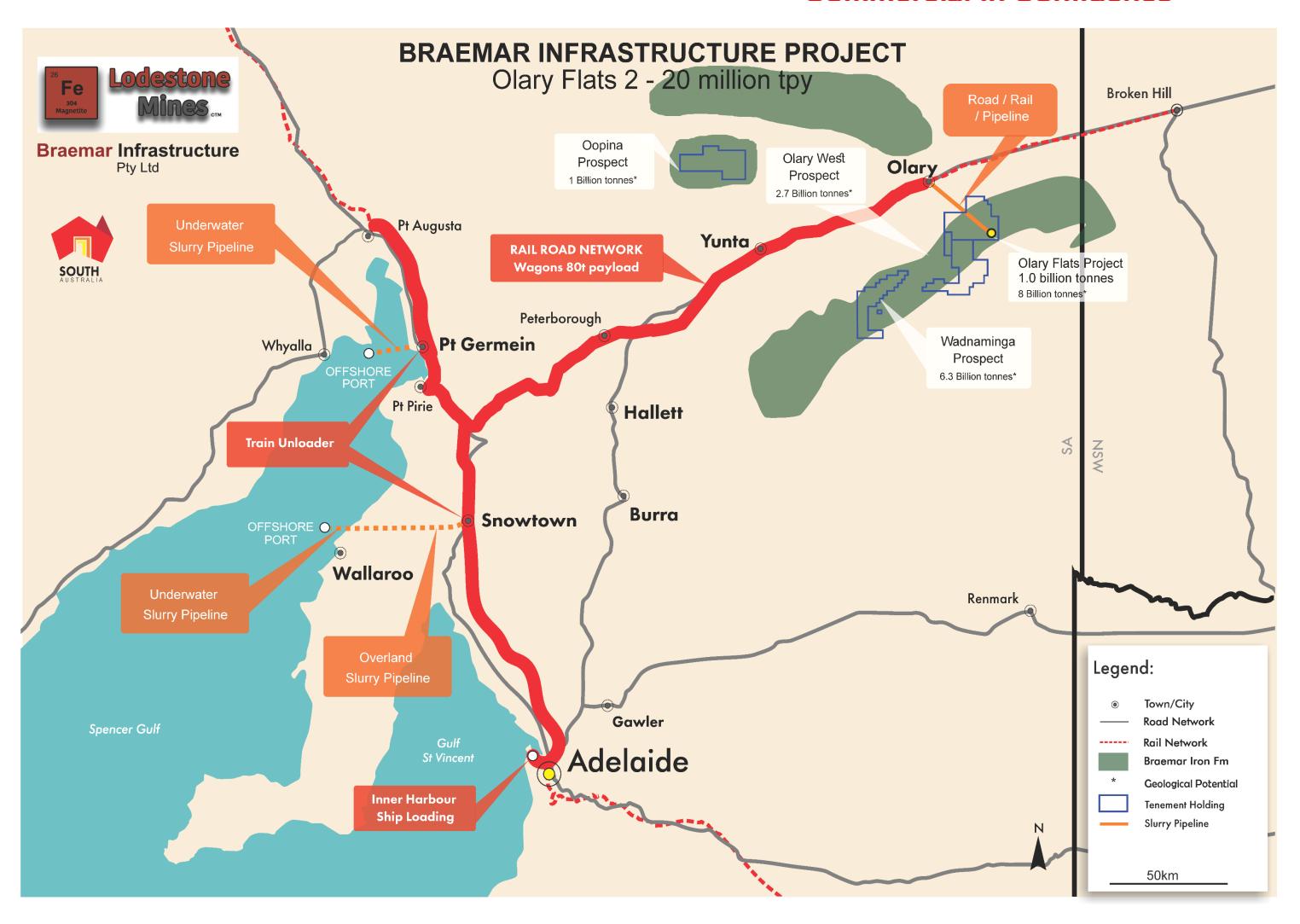


OLARY FLATS – SUPERB PRODUCT QUALITY



- Abundant infrastructure already exists
- There is a stable & supportive government
- * ARTC standard rail 300 km to port sites
- ♦ 5 train operators competing for business
- Port sites are sheltered & cyclone free
- There are no tidal range constraints
- Local skilled workforce is available

Commercial in Confidence















- Large Hydraulic Excavators
- Electric Wheel FEL's
- Autonomous Mining Trucks
- * All on maintained leases

MINING - PHOTO SUMMARY







The Processing Solution

- Dry grinding and air classification in proven Loesche integrated Vertical Roller Mills (VRM)
- Magnetic separation at final grind size
- Low water requirements
- Flowsheet fine-tuned during BFS
- Low footprint, low capital and low operating cost





DRY GRINDING + MAGNETIC SEPARATION



Initial Shipping Solution

- Use existing harbours
- Proprietary transfer from RR to dock
- Maximises use of existing infrastructure
- Unobtrusive RR discharge and ship and barge loading
- Minimises disruption to towns & recreation areas
- Barge option to 80,000dwt geared bulk carriers

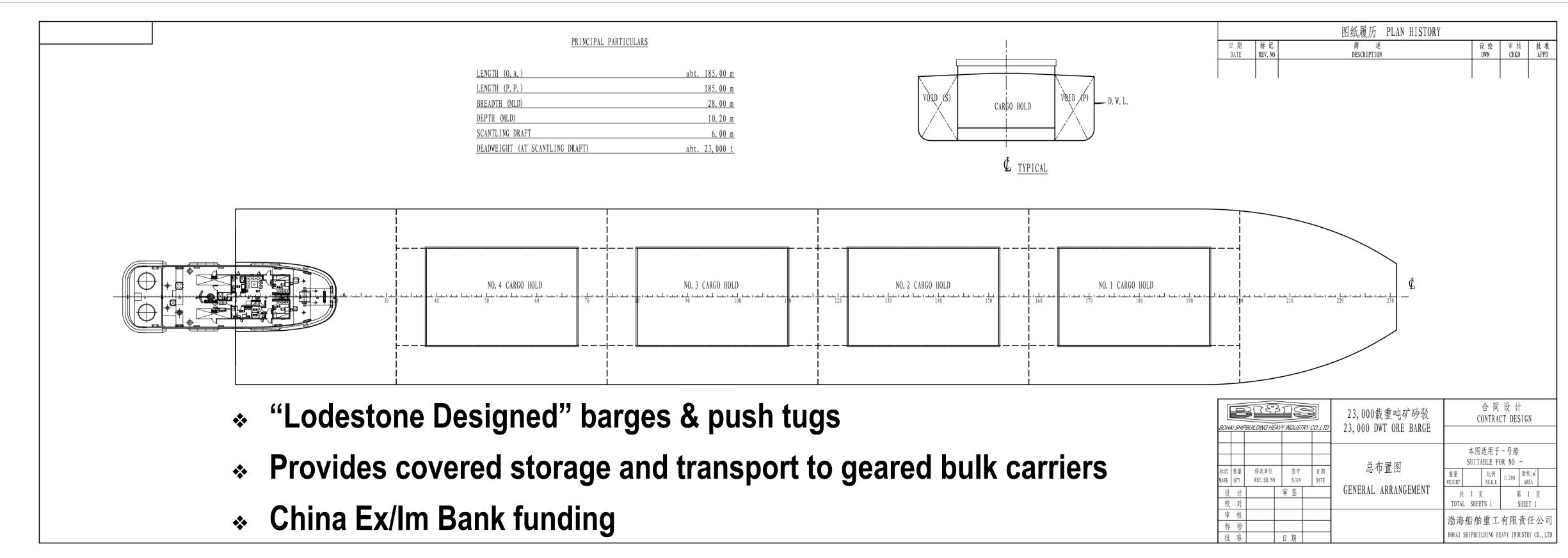




PORT - SHIPMENTS IN GEARED BULK CARRIERS









BARGING - NOTCHED BARGE EXAMPLE







There are multiple possibility for chartering third party shuttle vessels



oldendorff

PORT OPTION - ALTERNATIVE SHUTTLE VESSELS





Transhipment to non-geared Vessels

- Pontoon cranes
- Transfer concentrates from barges to non-geared bulk carriers
- Transhipment services supplied by others





PORT EXPANSION - BARGE to SHIP TRANSHIPMENT EXAMPLE

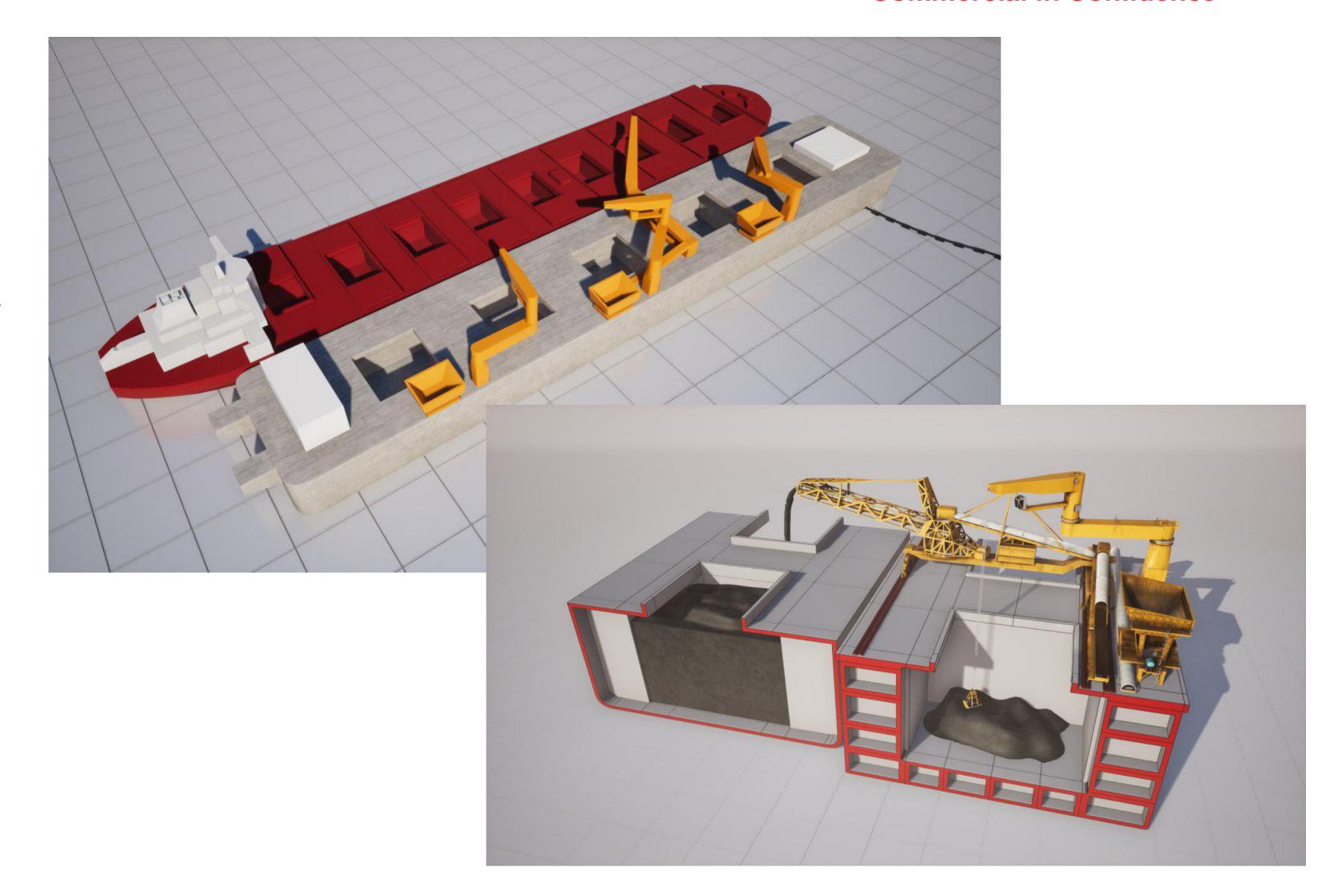
Limited





Offshore Slurry and/or Barge delivery & discharge to/from the Off Shore Port (OSP) - we will transition to this Lodestone designed offshore port over time

- No draft constraints
- Slurry pipeline on sea bed buried on land – very low visible impact
- Concept can be deployed as a loading port or as a discharge port
- Ideal for discharging feed to a pellet plant



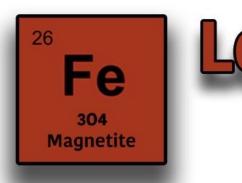




- ❖ Lodestone is completing an AACE Class 4 Pre-Feasibility Study (PFS) and then undertaking an AACE Class 2 Bankable Feasibility Study (BFS) for the early implementation of a profitable "Start Up" project as follows:
 - ✓ In-house Preliminary Feasibility Study (PFS) to complete drilling, testing, plant design and ancilliaries
 - √ The "Start Up" BFS and detailed design
 - ✓ Investment structure can be tailored to investors requirements via equity, unincorporated JV, off-take funding or other structures



OLARY - INVESTMENT PROPOSITION





Pre-Feasibility
Study
Drilling
Completed
Engineering

Studies

Fine tuning

4 months

Bankable Feasibility Study

Final concepts,
engineering,
infrastructure and
mine plan
at BFS level

9 months

Construction

Initial production rate
1.5 Million tpy
Total budget c A\$200M
mostly financed with
Export Credit and EPC
Finance

18 months

Production

Incremental ramp up. First unit of 1.5 million tpy.
Subsequent units of 2.2 million tpy. Infrastructure incrementally expanded too

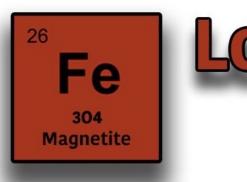


OLARY - INVESTMENT TIMELINE



- Production of low impurity magnetite with margins competitive with Direct
 Shipping Ores planned by 2023 from one billion tonne drilled JORC resource
- New Paradigm PFS in progress to be followed by BFS
- Start small (1.5 million tpy) and expand rapidly
- Ultimate target 50 million tpy for >50 years from Lodestone licenses.
- Production could commence within 30 months of securing BFS funding
- * Sales LOI's convert to firm SPA's as part of a construction funding package







Staying Cost Competitive

After starting small and whilst expanding tonnage output, operating costs can be reduced by very clear cut actions that include:

- Replace trucks in the mine with conveyor belts
- Build a railroad spur from the mines at Olary Flats to the mainline at Olary
- In the future it may be economic to expand using slurry pipelines from mine to port. This would enjoy a 1:7 operational cost benefit over rail.
- Take over the operation of trains
- Connect to grid power
- Develop high volume, deep water, offshore port facilities













