ANGLOAMERICAN GREEN SWAN PROPOSAL: SEIZING COMPETITIVE ADVANTAGE WITH CIRCULAR METHODS

CIRCULARITY TEAM:
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CURRENT STANDING

INDUSTRY POSITIONING

● 8th largest mining company in the world
● Top competitors: Glencore, BHP Group, & Rio Tinto
● Distinguished by responsible mining practices
● On a trajectory towards carbon neutral mining
● Aiming to transition to being a “materials” company

FUTURESMART MINING™

● Concentrating the Mine: Increasing precision in mining with minimal energy, water, and capital intensity.
● Intelligent Mine: Reducing the uncertainty and variability of mining by using big data to inform AI machinery
● Modern Mine: Reducing health and safety risks to employees by using digital remote technologies
● Water-less Mine: Reducing water dependency
CIRCULAR GREEN SWAN PROPOSAL

To create a new revenue stream by re-mining existing tailings storage facilities (TSFs) for residual metals & minerals and marketing these to manufacturers as “rescued materials.”

PART 1
Re-mining tailings storage facilities for “rescued materials”

PART 2
Creating a shared tailings storage facilities database platform
VALUE DRIVERS

REVENUE GENERATION
- Corner market on reclassified "rescued" material

BRAND ENHANCEMENT
- Unique selling proposition
- Increased sustainability standing

TANGIBLE
- Cost savings
  - Savings costs on extracting virgin materials

INTANGIBLE
- Risk reduction
  - Reduce liabilities associated with labor and environmental hazard concerns

INCREASE POSITIVE

REDUCE NEGATIVE
GEOGRAPHY: CHILE

PEREZ CALDERA - 21 MILES FROM SANTIAGO, CHILE. 5.6MILLION POP.
FAVORABLE ECOSYSTEM

Transparency
National Observatory of Tailings Deposits

Collaboration
Government EcoMetales Codelco

Investment
$66B by 2027 Mining Country

Policy
New National Tailings Policy

Removing Roadblocks
“Chile has new regulations for new uses of artificial tailings deposits that facilitates using the tailings as raw material for construction like cement, bricks and asphalt; and is compiling a "bank of ideas" relating to the remediation, reprocessing and new uses of tailings deposits.”

Anthony Barich
PUBLIC SECTOR & PARTNERSHIPS

ANG. AMER. ENABLING ENVIRONMENT FOR TAILING RECOVERY

CHILEAN GOV. SUBSIDIES
MINISTRY OF MINING POLICY IMPLEMENTATION
CORP. ALTALEY ENGAGING COMMUNITIES AND PROMOTE MINING INDUSTRY
CODELCO TECH PROVIDES TECHNOLOGY TO IDENTIFY MATERIALS
METHODOLOGY TIMELINE

**IMMEDIATE**
Part 2: TSF AI Tool

**15 YEAR**
Production and Preliminary reprocessing

**5+ YEARS AFTER CLOSURE**
Material reclassification and distribution

**5 YEARS BEFORE OPENING**
Prospecting, exploration, mine-site design

**5 YEAR BEFORE CLOSURE**
Tailing and waste water reprocessing
USE THE GREEN SWAN TO OVERCOME THE FOUR MAJOR BARRIERS

Green Swan Part 1 & 2

- Regulatory
- Liability Risk Safety
- Technology & Processes
- Mindset & Framing
THANK YOU QUESTIONS?