





Presentation to;

9th Annual CASM Conference September 8 to 14

A Global Partnership For Action

Presented by:

DANCOR SPIES

Chief Executive Officer TAU Holdings Ltd

15 Minutes





GOALS SET BY CASM

- Goal 4 Reduce Child Mortality
- Goal 5 Improve Maternal Health
- Goal 7 Ensure Environmental Sustainability
- Goal 8 Develop a Global Partnership for Development





THE CHALLENGE

Eradicate and BAN from
 Mozambican soil the
 indiscriminate use of
 MERCURY and other Metallic
 Chemicals





THE RESULT

- Mozambique to be the model, example and benchmark for the rest of the world to follow
- Improve mining methodology
- Increase mining efficiency
- Improved health benefits for miners
- Halt further damage to the Environment
- Social upliftment of mining communities





MERCURY

- Most commonly used by Small Miners digging and panning for Gold
- Well known environmental impact
- Well known Health risks
- Well known exploitation of miners by Mercury Merchants





"There is no single technological "silver bullet" to move to a mercury free system"

Dr. Kevin Telmer

(2008 - University Of Victoria)





SILVER BULLET FOUND







THE DANCOR PROCESSTM

- Technology developed in AFRICA
- African solution for a worldwide problem
- Development took 7 Years and funded from own resources
- Technology to refine gold;
 - To a higher purity grade
 - Faster & Safer
 - More cost effective and with increased yield
 - Completely environmentally sound



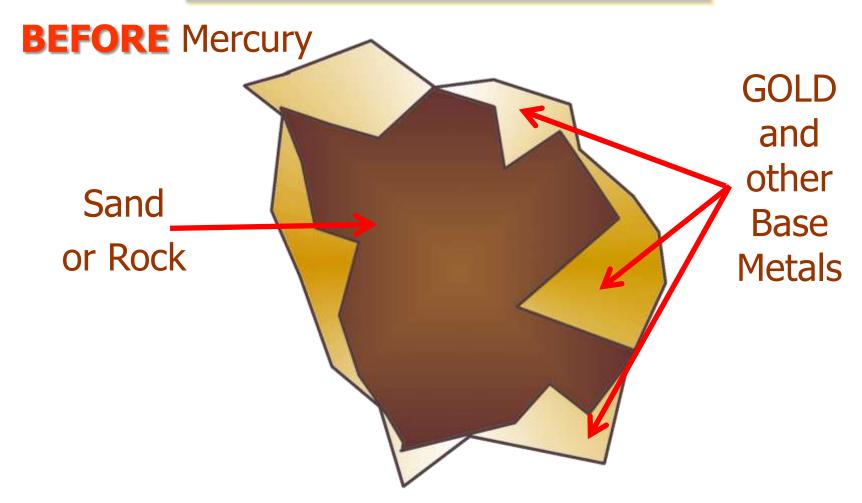


- This Hydro-Metallurgical ECO Technology entails:
 - Production cost saving of up to 35%
 - Less than US\$ 4.00 per kilogram Cost to Refine (excluding CAPEX)
 - Increased yield additional ore to final product efficiency saving up to 25% when the use of mercury is discarded.





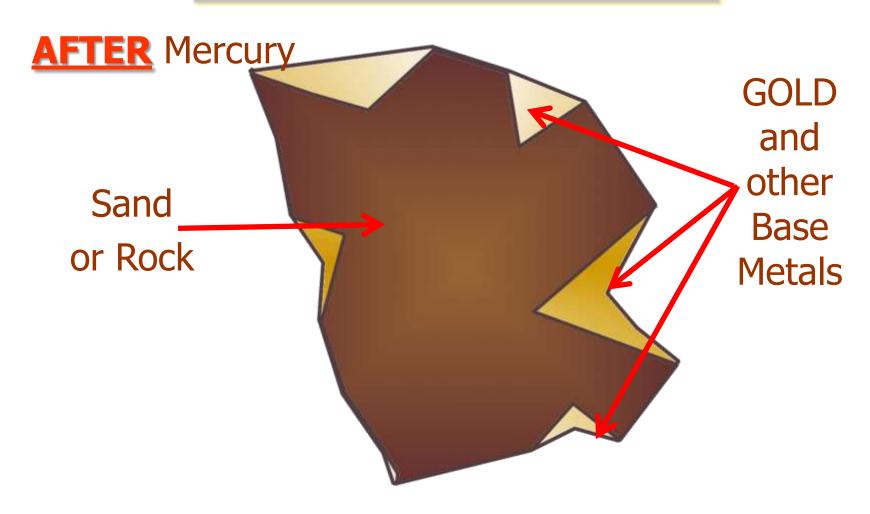
A VERY CLOSE LOOK







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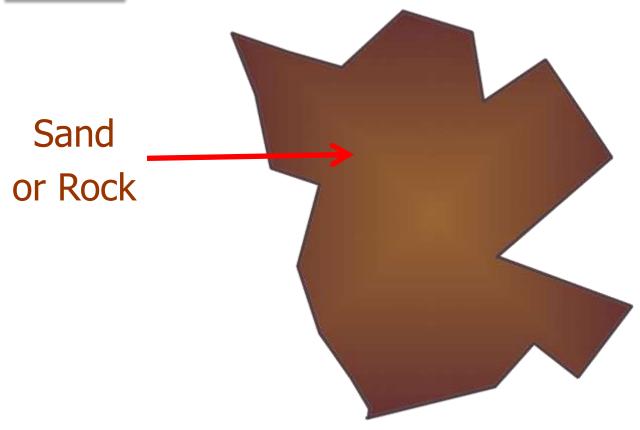






A VERY CLOSE LOOK

AFTER the **DANCOR Process™**





- Extremely tolerant process
- Consistent output quality
- Bulk efficient Various Plant Models with capacity from 10 kg to 1000 kg per shift
- Low energy consumption
- Small footprint
- Reduced production time cycle





- Reduced plant inventory lockup time
- NO dormant or latent plant inventory
- NO production or "in process" loss
- NO hazardous or toxic waste
- NO toxic fumes or gas emitted
- NO water, air, noise or environment pollution





- NO Cyanide used
- NO Chlorine gas used
- NO Potassium Cyanide used
- NO Solvents used
- NO Mercury used
- All other Base Metals recovered
- Totally organic



- Successfully replaces the Miller Chlorination and Wohlwill refining techniques used in LBMA Refineries Worldwide.
- Purity up to 99.999%
- Accommodates a wide variety of feed stock from as little gold content as 100.0 (10%).
 - Cathode Sludge (Wet or dry)
 - Doré Bullion
 - Granular or Atomized Doré Bullion





- Alluvial Tailings
- Zinc precipitation filtrates
- Recycled jewellers waste
- Exo- and Endogenetic deposits.
- Gold bearing ore concentrate

Technology and Laboratory Plant with capacity of 30kg per shift, currently **OPERATIONAL** in **MANICA**, Mozambique where the first ever totally **"GREEN"** Gold was refined





MANICA REFINERY











Tsoza Refinery















Tsoza Refinery









- The merits and intrinsic worth of the Dancor Process[™] has weathered the intense scrutiny of Gold Fields, Rand Refinery, as well as Metal Process Laboratories (South Africa).
- All aspect including the composition of the effluent stream has been analysed, tested, verified and confirmed.





"The epitome of superior technology and design is not when anything else can be added, but rather, when nothing else can be taken away."





THE MARK OF DISTINCTION







THANK YOU See You in Chimoio

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