



# DUNDEE SUSTAINABLE TECHNOLOGIES

**GLASSLOCK**  
PROCESS™

**CLEVR**PROCESS™

MARCH 2020



# Dundee Sustainable Technologies (DST)

DST has developed novel metallurgical processes for the mining industry.

Technologies are successfully demonstrated and at the commercialization stage.

## Industry Challenges

- Environment
  - Cyanide use & restrictions
  - Contaminants (As, Sb, Hg,...)
- Metallurgy
  - Refractory & Complex ores





## DST Solutions

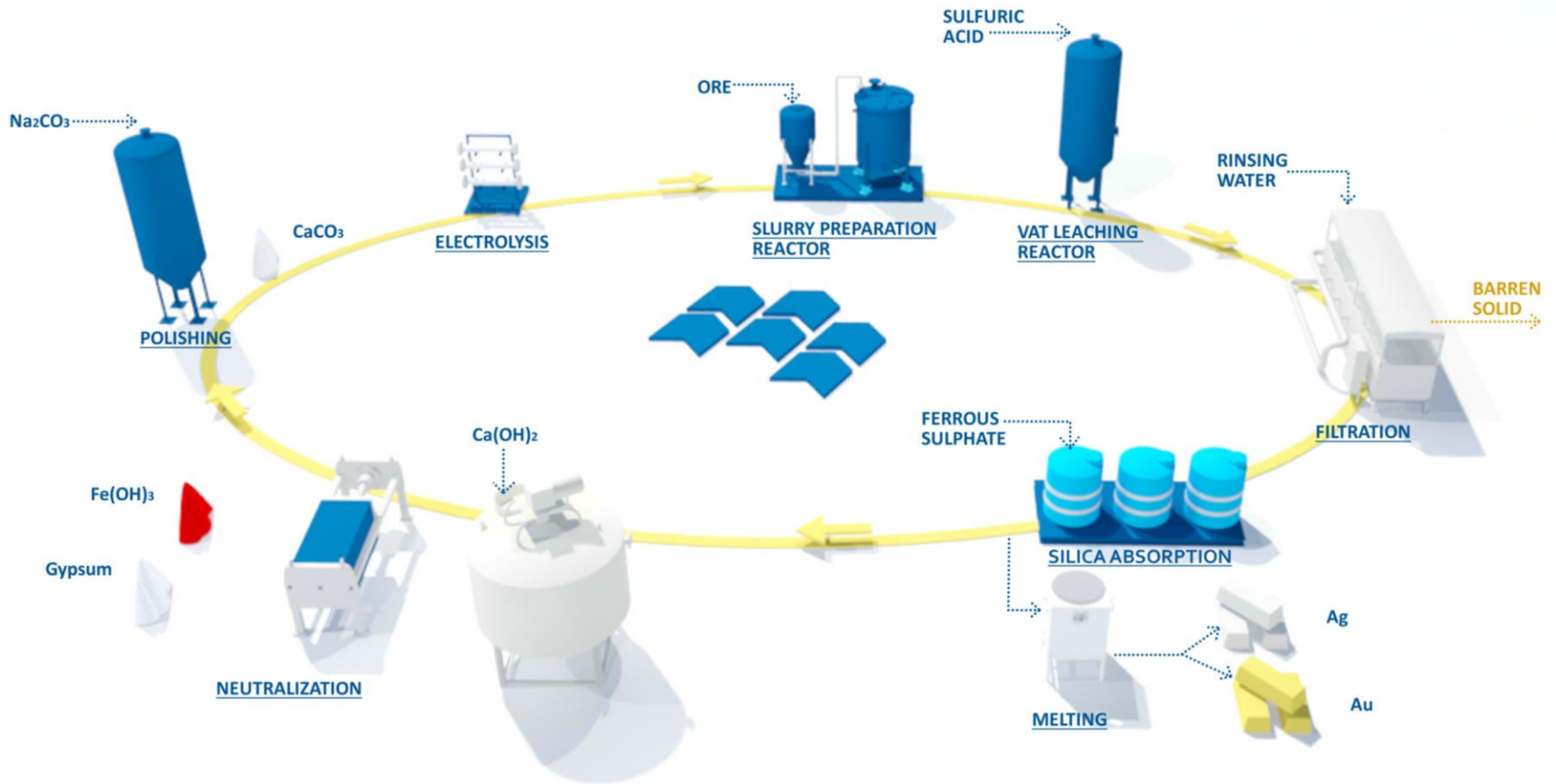
### **CLEVR**PROCESS™

- Cyanide-free gold extraction
- No liquid effluents
- Refractory ores

### **GLASSLOCK**PROCESS™

- Arsenic stabilisation
- Allows access to complex ores
- Permanent disposal solution

# CLEVR Process - Closed Loop Circuit



# CLEVR Process – Industrial Demonstration

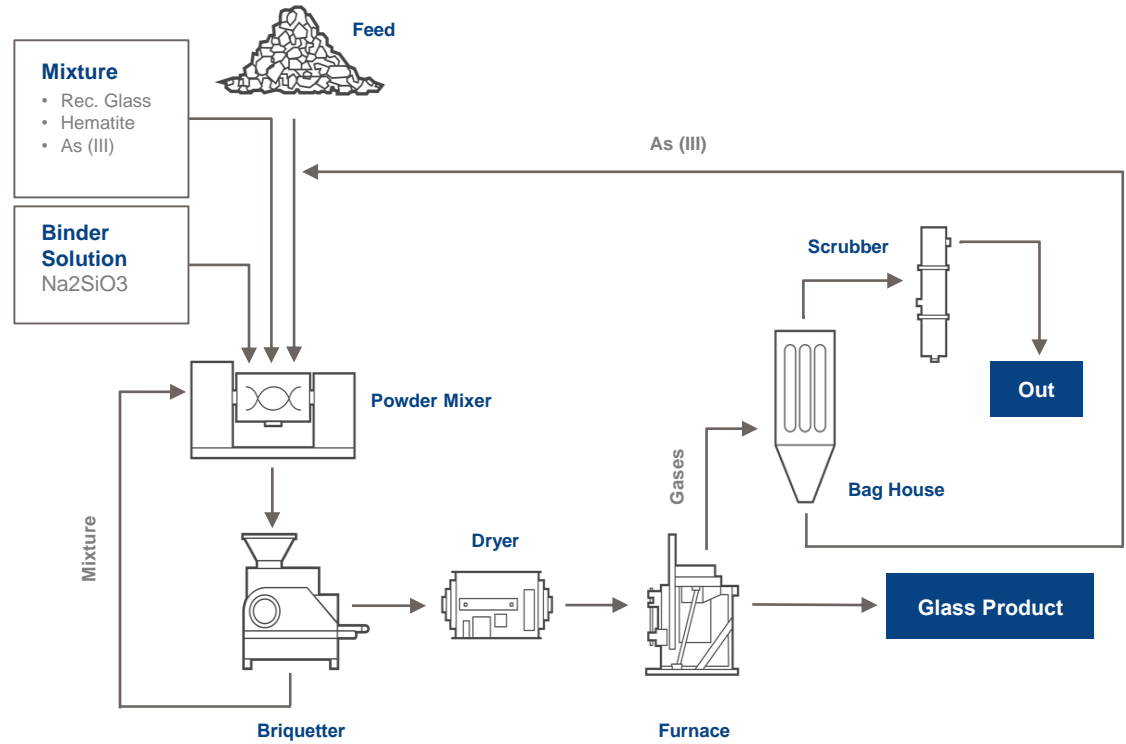
**CLEVR**PROCESS™



- Located In Thetford Mines, Canada
- Designed for the treatment of **15 Tonnes per day (TPD)** of complex concentrates.

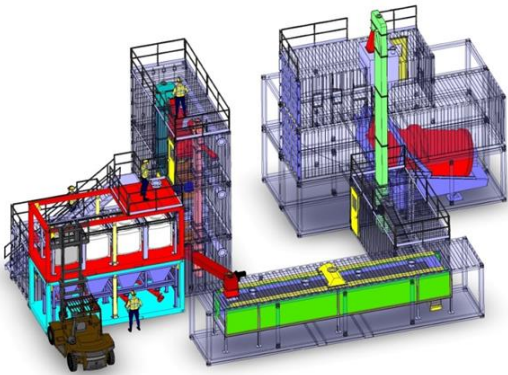


# GLASSLOCK Process - Circuit



# GlassLock Process – Implementation Project

GLASSLOCK  
PROCESS™



- Located onsite an operating copper smelter;
- Designed to stabilise **1,000 TPY of arsenic (As)** and produce **4,000 TPY of glass product**.



# DUNDEE

## SUSTAINABLE TECHNOLOGIES

**Head Office**

860 – 2000 Peel Street  
Montreal, QC, Canada, H3A 2W5  
514-866-6001

**Plant**

3700 rue du Lac Noir  
Thetford Mines, QC, Canada, G6H 1S9  
418-423-7247

CSE:DST

[www.dundeetechnologies.com](http://www.dundeetechnologies.com)