



DUNDEE SUSTAINABLE TECHNOLOGIES

GLASSLOCK
PROCESS™

CLEVRPROCESS™

MAY 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

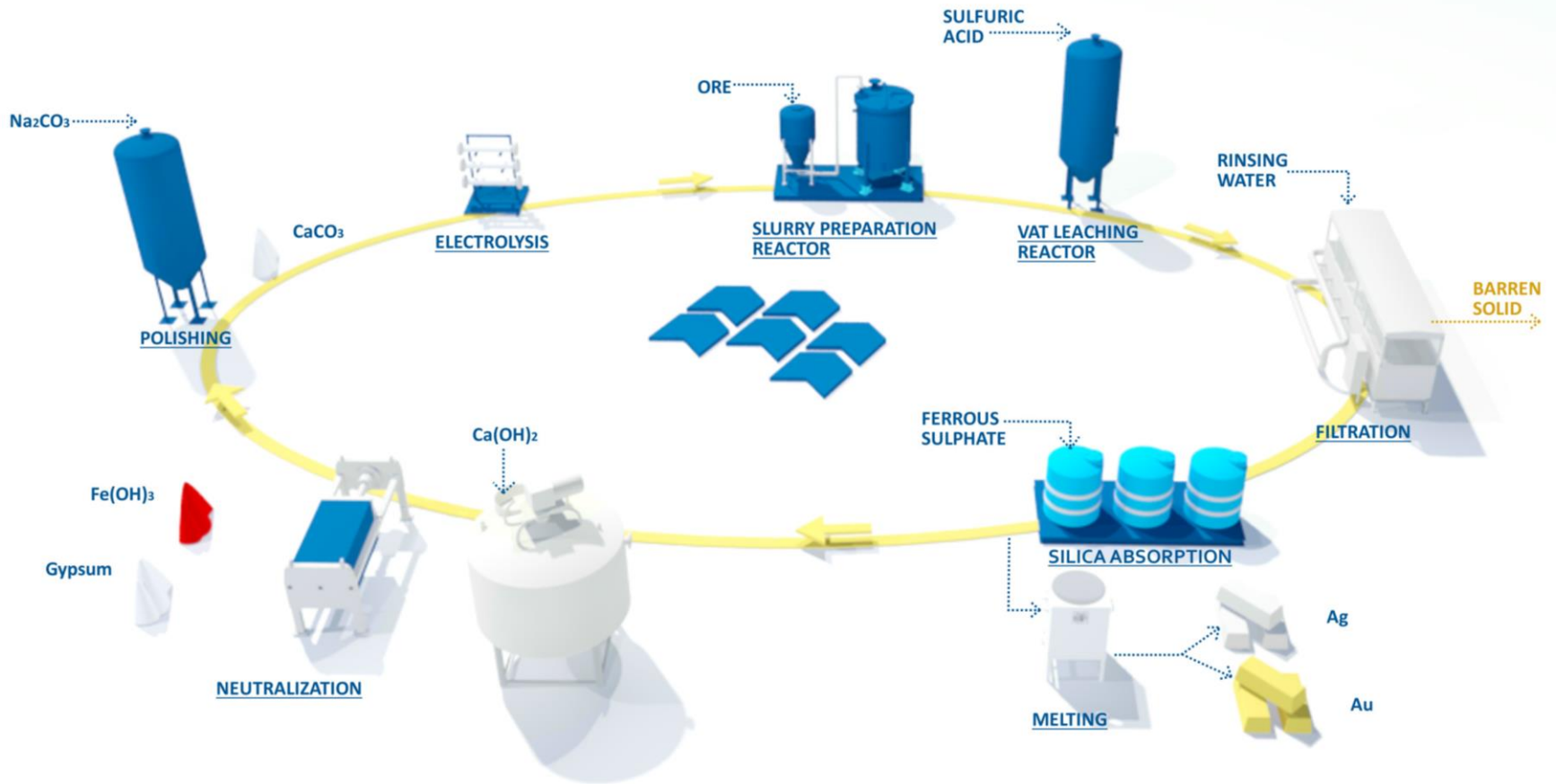
CLEVRPROCESS™

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

GLASSLOCKPROCESS™

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

CLEVR Process - Closed Loop Circuit



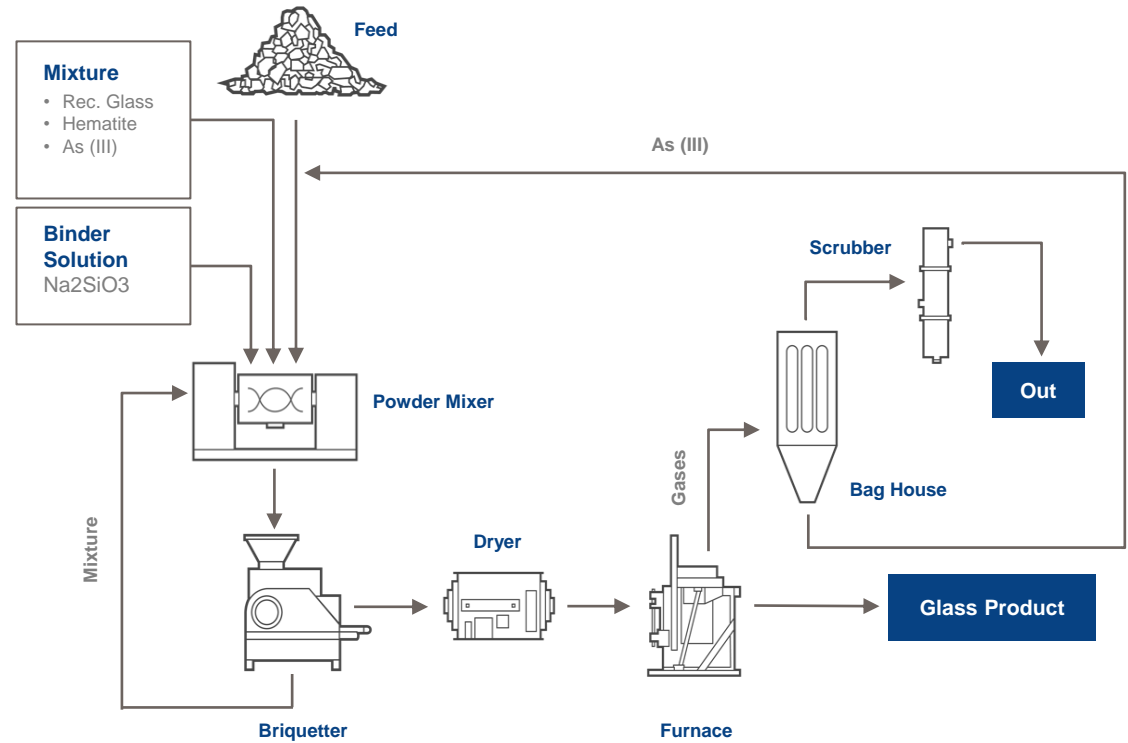
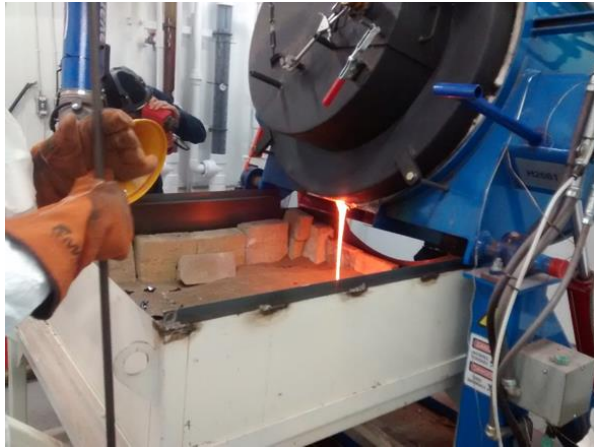
CLEVR Process – Industrial Demonstration

CLEVRPROCESS™



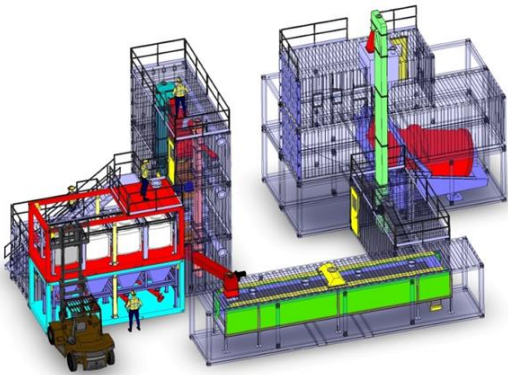
- Located In Thetford Mines, Canada
- Designed for the treatment of **15 Tonnes per day (TPD)** of complex concentrates.

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**.



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