

Turnkey Cyanide Destruction System



Kemetco Research provides metallurgical and environmental testing services to mining, chemical and environmental industries.

With a 20,000 ft extractive metallurgy laboratory and pilot plant facility, Kemetco conducts metallurgical testing ranging from simple scoping tests to complex flow sheet development and optimization, through pilot plant demonstrations. The on-site specialty analytical laboratory allows for rapid feedback and integration of assay results into the metallurgical test work programs.

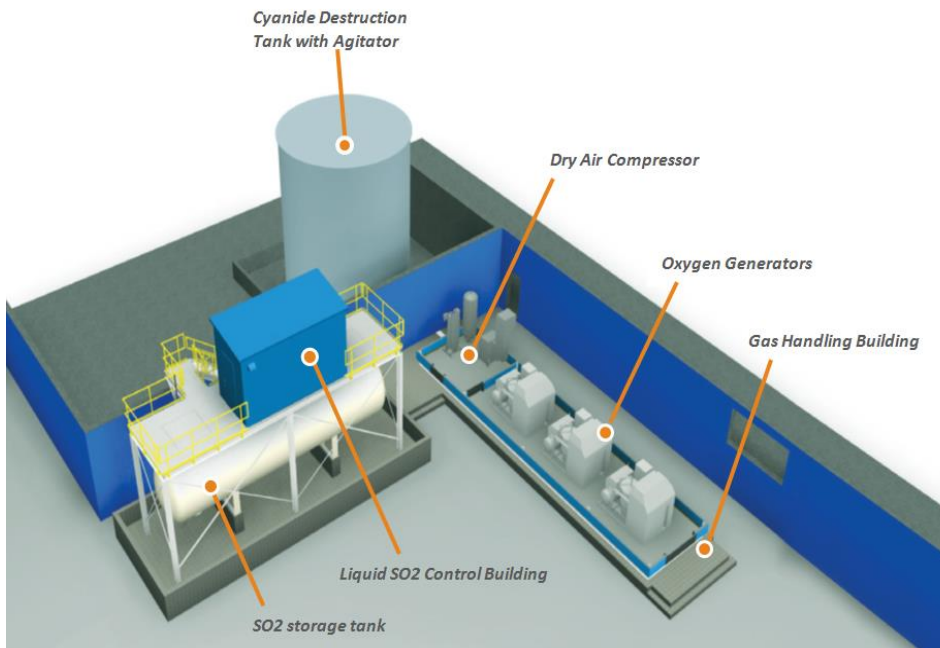
Kemetco Research has conducted over 25 cyanide destruction laboratory testing campaigns that have been used to design and build Cyanide Destruction Systems across the world.



Process Manufacturing provides manufacturing capabilities for chemical and hydrometallurgical plants.

Process Manufacturing is an associate of BI Pure Water, Inc. and specific industry partners. BI Pure Water has large manufacturing resources in Surrey, part of metro Vancouver, BC, employing chemical, electrical, mechanical and structural engineers.

BI Pure Water has been designing, building, delivering and installing remote package treatment plants, for 20 years. Systems have been designed for water treatment, industrial waste, turnkey systems for end-uses such as desalination, industrial electrolyte systems, chemical pumping systems and much more.



Liquid SO₂ tank above storage tank, Ontario



O₂ generators inside the gas handling building



Dessicant oxygen driers and compressors

Turnkey cyanide destruction systems designed to meet process requirements include:

- Cyanide destruction tanks
- Reagents holding tanks
- Structural support framework and platform for tanks and agitators
- Sulfur burner, liquid SO₂ system or SMBS delivery system
- Lime slurry reagents system
- Air blowers or O₂ generators
- Process control automation
- Slurry flow and density meters
- In-line CN_{WAD} analyzers
- Operator training
- Commissioning and troubleshooting

