Sepor Pilot Plants & Process Equipment
For decades, Sepor has been the ‘Go To’ provider of quality process equipment, from bench scale to pilot plant.

Our Merrill Crowe zinc precipitation plants for recovering gold from leach solution have been utilized throughout the world, and are known for their reliability and simplicity of operation.
Sepor can build the plant that you need to handle your material.

Whether you require crushing and grinding; leaching or gravity separation; flotation or filtration…..
Whether you need only the equipment to be fabricated or if you would like installation and commissioning...

.....Sepor has the team that can do the job for you.
Bring us a design and we can build it for you....
...or just let us know your concept, we can review and give you our design recommendations.

**Input material:**
- 1000 kg/d feed
- Cu: 35% w/w
- Ag: 2% w/w
- Au: 0.05% w/w
- Pd: 0.01% w/w

**Ball mill:** size reduction to < 5 mm

**Acid Leaching Tank:**
- HCl – 1 M
- CuCl2– 3M
- NaCl-3M
- Air- 7 M3/min
- L5 – 100:1
- ORP-1100 eV
- Temp. 50ºC

**Filter Press 1**
- filter out non metals to landfill
- Contains undissolved Lead chloride

**pH adjustment**
- Precipitation of some base metals such as tin hydroxide at pH- 1.5

**Press filter 2**
- Filter out cemented base metals

**Cementation Tank**
- Sodium borohydrid dosing after metal concentration test with regular ORP testing

Metal Concentrate for refining

To neutralization