

This electrowinning pilot plant was designed and manufactured by SX Kinetics for a copper heap leaching / solvent extraction / electrowinning project in Southern Peru.



**Project:** sxk-72  
**Client:** Rio Tinto & SNC Lavalin  
**Location:** Northern Peru  
**Capacity:** 80 kg copper per day  
**Cathodes:** 16  
**Anodes:** 18  
**Rectifier:** 0 to 1500 A and 0 to 6 V

A steel building was also provided for the EW plant.

#### Items Provided:

- Two EW cells manufactured from polypropylene with acid mist system.
- 0 to 1500 A and 0 to 6 VDC rectifier with constant load adjustment.
- Electrolyte tanks manufactured from polypropylene with immersion heater.
- Electrolyte feed and circulation pumps with flow meters
- 16 cathodes (316 SS) with edge strip and 18 anodes (Pb-Sn-Ca alloy).
- Manual hoist for lifting and transporting cathodes
- Cathode rinsing station with rinse tank and hanging rack (manual stripping).
- Schedule 80 PVC true union ball valves, globe valves, and fittings.
- Completely assembled and tested prior to shipment

#### SX Kinetics, Inc.

504 - 249 Ruttan Terrace,  
Cobourg, Ontario, Canada, K9A 5X6

Web Site: <http://www.sxkinetics.com>

#### Further Information Contact:

Mr. Steven Webster  
Hydrometallurgist

Tel +1 905 372 5981 Fax +1 905 372 4091  
Email: [steven.webster@sxkinetics.com](mailto:steven.webster@sxkinetics.com)