

SX Kinetics designed and manufactured this electrowinning pilot plant for a copper mining project in north-eastern Russia. This pilot plant was coupled to SX Kinetics' laboratory solvent extraction pilot plant for an integrated leaching / solvent extraction / electrowinning research program.



Project: sxk-36

Client: Moscow State Institute of Steel and Alloys (Technological University)

Location: Moscow, Russia

Capacity: 25 g Copper per hour

Cathodes: 4

Anodes: 5

Rectifier: 0 to 25 amps, 0 to 5 volts

Items Provided:

- Electrowinning cell with electrolyte distribution manifold and adjustable O/F weir
- Stainless steel cathodes (with edge strips) and Pb-Ca-Sn alloy anodes
- Rich and lean electrolyte vessels
- Teflon coated immersion heaters with temperature controllers
- Electrolyte feed and circulation pumps
- Rectifier with constant regulation of current or voltage output
- Completely assembled and tested prior to shipment

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