

SX Kinetics, Inc. designed and manufactured this solvent extraction and electrowinning pilot plant for a copper, cobalt, and nickel project.



Project: sxk-54
Client: IMPRC
Location: Tehran, Iran
Stages: 10
Capacity: 8 L/min (org + aq)
Recycle: optional organic or aqueous

Items Provided:

- Modular frames with elevated operator platforms to house the pilot plant
- Mixer-settlers with coalescing baffle, and adjustable aqueous weir
- High efficiency SX impellers coupled to in-line speed reducers and TEFC motors
- Coalescers with multiple layers of coalescer media for removal of entrainment.
- Organic surge tank with aqueous coalescer baffle and LED aqueous indicator
- Exhaust header connected to each vessel for removal of organic vapours
- Feed and transfer tanks with magnetic drive positive displacement pumps
- SX feed and strip liquor filters with a supply of filter media
- Organic transfer and crud treatment pump with quick disconnect fittings.
- Process control to include temperature controllers, level and flow transmitters
- Completely assembled inside modular frames and tested prior to shipment

SX Kinetics, Inc.

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