Portable SX Plant 3

SX Kinetics designed and manufactured this modular copper solvent extraction pilot plant within ten modular shipping frames. Each modular shipping frame had outside dimensions slightly smaller than the opening of a standard size shipping container.

Project: sxk-37
Client: Moscow State Institute of Steel and Alloys (Technological University)
Location: Moscow, Russia
Stages: 4
Capacity: 100 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 dual mixers, coalescing baffle, and adjustable aqueous weir
- High efficiency SX impellers coupled to in-line speed reducers and TEFC motors
- Coalescer 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 centrifugal magnetic drive pumps
- SX feed and strip liquor filters with a supply of filter media
- Crud treatment circuit to include treatment tank, pre-coat tank, and filter press
- Process control components to include level and flow transmitters
- Electrical components to include emergency stop contactor
- Completely assembled inside modular frames and tested prior to shipment

SX Kinetics, Inc.

39 A Hamilton Ave.
Cobourg, Ontario, Canada, K9A 1V7

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

Further Information Contact:

Mr. Steven Webster
Hydrometallurgist

Tel +1 905 372 5981
Email: steven.webster@sxkinetics.com