

SX Kinetics designed and manufactured this solvent extraction pilot plant for a project to recover zirconium from an ore body in Brazil.



Project: sxk-17
Client: MRSI / CMS
Location: Canon City, CO, USA
Stages: 6
Capacity: 16 L/min (org + aq)
Recycle: optional organic or aqueous

Items Provided:

- Mixer-settlers with covers, coalescing baffle, and adjustable aqueous weir
- SX impellers coupled to helical in-line speed reducers and TEFC motors
- Feed tanks with calibration tubes and variable speed metering pumps
- SX feed polishing filter unit with a supply of filter media
- Transfer tanks with level switches to activate magnetic drive pumps
- Exhaust header connected to each vessel for removal of organic vapours
- Containment dip tray located under the pilot plant
- Completely assembled and tested prior to shipment
- On site installation, commissioning, and 14 months of operation

SX Kinetics, Inc.

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