

SX Kinetics, Inc. designed and manufactured this solvent extraction plant for the demonstration of a new process to produce high purity zirconium.



**Project:** sxk-19  
**Client:** MRSI / CMS  
**Location:** Canon City, CO, USA  
**Stages:** 6  
**Capacity:** 26 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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