



## Full Scale SX Plant 4

SX Kinetics, Inc. provided the design for this solvent extraction plant for the recovery of cobalt from abandoned silver tailings.



**Project:** sxk-15  
**Client:** Cobatec Limited  
**Location:** Cobalt, Ontario, Canada  
**Stages:** 12  
**Capacity:** 8 m<sup>3</sup>/h (org + aq)  
**Recycle:** optional organic or aqueous

### Items Provided:

- Mixer-settlers with covers, ventilation system, and adjustable aqueous weir
- SX impellers coupled to in-line speed reducers and TEFC motors
- 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 polishing 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 with VFD's

Technical consulting during commissioning and plant start up

### SX Kinetics, Inc.

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