

SX Kinetics manufactured a solvent extraction pilot plant for a uranium SX project in Niger.



Project: sxk-134
Client: Areva France
Location: Niger, Africa
Stages: 12
Capacity: 400 mL/min (org + Aq)
Recycle: Option for organic or aqueous

Items Provided:

- Mixers, settlers, over flow weirs manufactured from borosilicate glass
- Option to recycle either organic or aqueous phase from the settlers to the mixers
- High efficiency curved blade SX impellers manufactured from polypropylene
- Variable speed mixer agitators (40 to 2000 rpm) with digital RPM indicators
- Variable speed metering pump (8 to 833 mL/min) for the SX Feed
- Variable speed metering pumps (3 to 66 mL/min) for strip and wash solutions
- Variable speed metering pump (6 to 116 mL/min) for the organic phase
- Stainless steel frame for clamping the mixers-settlers, O/F weirs, mixer motors
- Factory testing and packaging for shipment

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