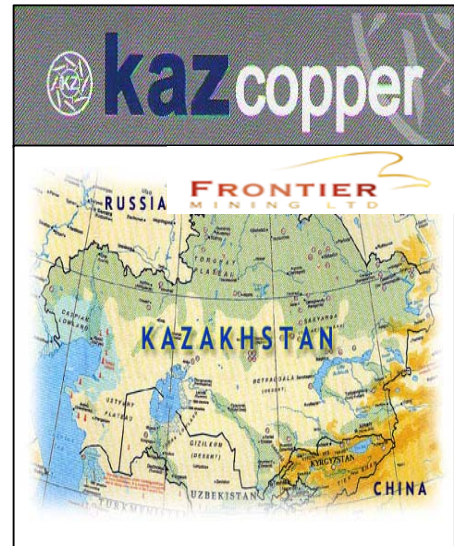


PROJECT PROFILE

BENKALA COPPER PROJECT SX/EW PLAN TECHNICAL DESIGN

Client:	KazCopper LLP/Frontier Mining Ltd.
CPS Project No:	10007
Country:	Kazakhstan.
Scope:	SX/EW Plant Technical Design.
Total Project Value:	\$40 million (AUD) – Stage 1.
Year Awarded:	2010.
Status:	In Progress.



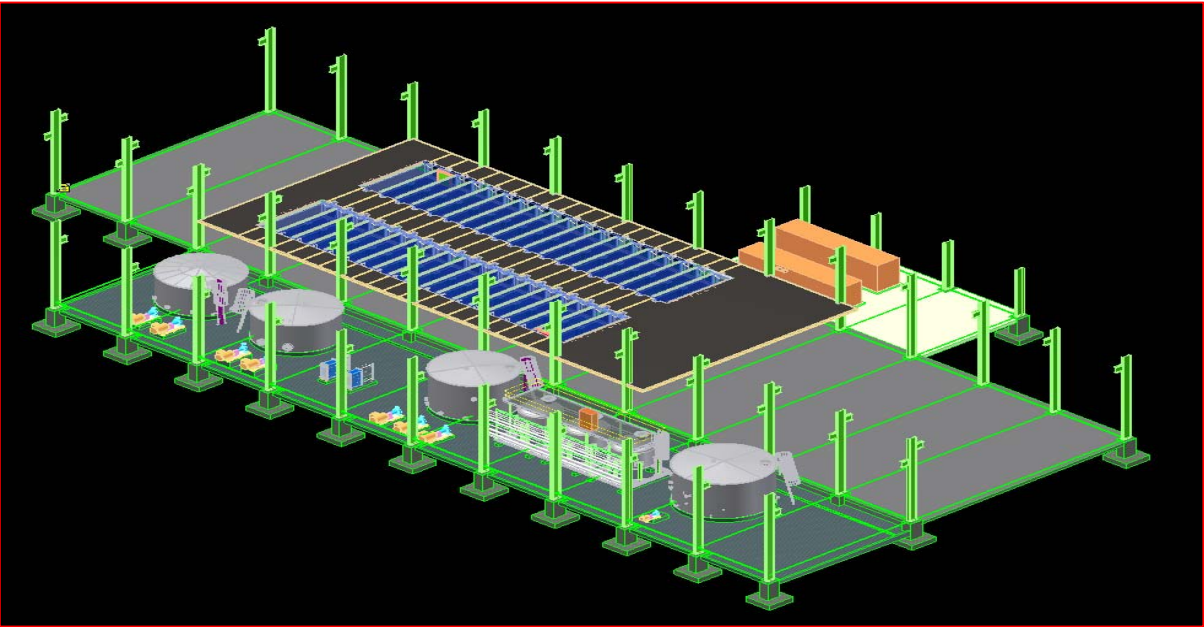
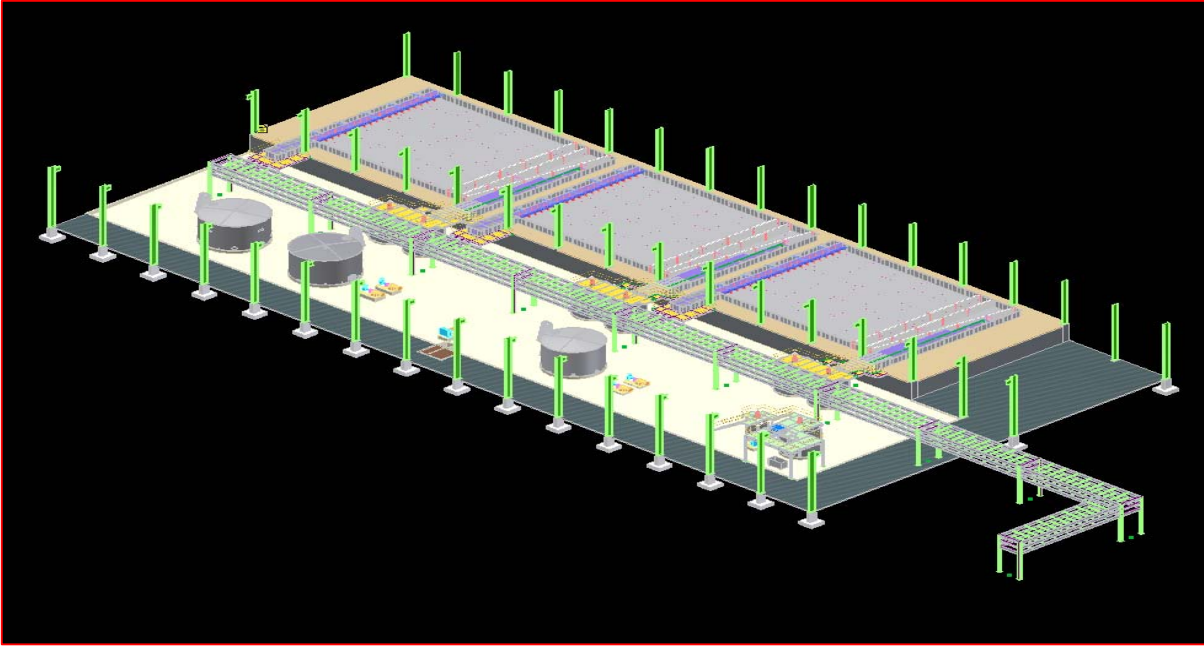
Project Description

Calder Project Services (CPS) in conjunction with Miller Metallurgical Services Pty Ltd is providing the technical design for the SX/EW plant suitable for KazCopper LLP to progress its chalcocite copper heap project in Kazakhstan. The SX/EW plant is developed in two stages. Stage 1 will produce 25 tonnes per day. Following successful operations and production at that rate, the plant will be expanded to 75 tonnes per day (Stage 2).

The design work includes the following Deliverables categories:

- Solvent Extraction-technical Design;
- Electrowinning-technical Design;
- Reagents Store- Technical Design sizing for tankage;
- Specifications;
- Data Sheets;
- Drawing;
- Lists;
- Manuals;
- Reviews of metallurgical testwork;
- Reviews of working design;
- Reviews of tendered equipment;
- General advice and recommendation;
- Knowhow and specialist experience on SX/EW;





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