

// Project Experience

Copper-Cobalt Phase IV



Location: Democratic Republic of the Congo (DRC)
Scope: Engineering, Procurement & Construction Management (EPCM)
Completion: 2013

Phase IV of the project involved increasing the capability of the copper processing plant to produce approximately 100 kt/a London Metal Exchange (LME) Grade A copper cathodes through the treatment of 4.577 Mt/a of run-of-mine (ROM) ore.

The process route was an enhanced version of the Phases II and III EW design to offer improved metal recoveries. The cobalt circuit was not modified during this phase.

The process route, which consisted of milling in raffinate, a leach circuit, a train of CCD thickeners, two SX tank houses and three EW tank houses (with a nominal capacity of 100 kt/a copper cathodes), was defined by experienced SENET process engineers, in conjunction with Miller Metallurgical Services (MMS).

Similarly for Phases I to III, the plant design and layout were developed by SENET engineers and designers.

