

SUPPORTING DEWATERING UPGRADE AT COBRE COPPER MINE, PANAMA

Client Profile

First Quantum Minerals, a global copper producer company, sought to expand its dewatering system at Cobre Panama, a large copper mine with an estimated 34-year mine life and 3.1 billion tonnes of proven and probable reserves.

The Problem

The rising water levels urged First Quantum Minerals to push its existing dewatering system into areas with deeper water deposits. The dewatering system upgrade required large-scale pipe floats that can support 250 discharge pipes. To do so, First Quantum Minerals entrusted the mammoth task to Coerco, a liquid control and management company based in Western Australia.

The Solution

Coerco manufactured custom-designed Multi Float® pipe floats as a quick solution that could be easily assembled and integrated in-situ. Each Multi Float® pipe float are manufactured to international standards and UV-stabilised to withstand degradation and chemical-induced corrosion. The final assembled Multi Float® weighed up to 515kg and measured more than two metres in height and width. As delivery is a standard part of the service at Coerco, the company filled fourteen (14) 40-foot shipping containers with six half sections each, totaling 170 halves.



Summary

Location

Panama, Central America



Client

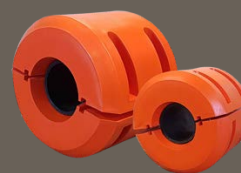
First Quantum Minerals



FIRST QUANTUM
MINERALS LTD.

Products Used

MultiFloat® Hose Float



The new dewatering system supports processing at the mine, which spans 13,600 hectares and divided into four zones with its main deposits located at Balboa, Botija, Colina, and Valle Grande.