

PROJECT HIGHLIGHT – HAUL TRUCK TROLLEY ASSIST

PROJECT

New substation, distribution, DC rectification & conversion of 7 haul trucks for trolley assist at Copper Mountain mine.

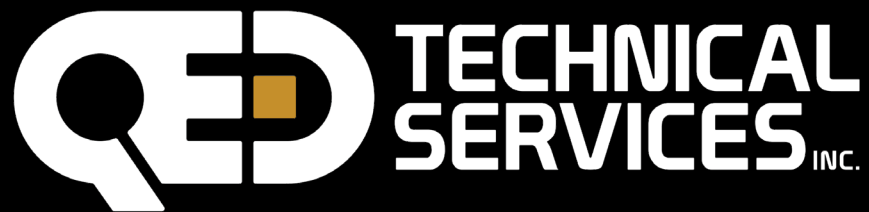
SCOPE OF WORK

Project commissioning, operations readiness & execution management, & high-voltage substation commissioning.

OVERVIEW

QED provided the onsite project commissioning management to create daily plans and coordinate events for a safe and successful project from the utility interconnection substation through to the trolley line connected haul trucks. QED also provided operations readiness and execution management, working with all departments within the mine to ensure readiness during project handover to operations. The project included construction of a 138 kV substation with a total connected load of 20.5 MW, a 25 kV overhead distribution line, a DC E-House that converts 25 kV AC into 1800 V DC, a 1 km haul truck trolley line, and 7 haul trucks which were upgraded with pantographs and new control systems. Upon completion, the new haul trucks run on DC-electric power up a 10% grade, during which time diesel consumption is negligible reducing overall operating costs and greenhouse-gas emissions.





Electrical Testing, Commissioning and Energy Management Specialists

QED specializes in the testing and commissioning of medium voltage, high voltage and protection systems. We are uniquely positioned to provide a comprehensive suite of energy management services.