

Electrical Solutions for Mining
Power Up! with Unit Electrical Engineering Ltd.



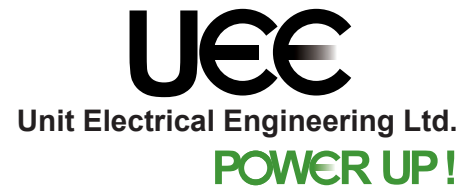
UEE

Unit Electrical Engineering Ltd.

POWER UP!



Open Pit Copper Mine, Canada – 13.8kV Mobile Substations



Mission Statement

To be recognized as the leading solution provider in the manufacture and design of electrical power, distribution and control equipment.

Corporate Statement

Unit Electrical Engineering Ltd. (UEE) is a respected electrical manufacturing and solutions company with a proven track record of meeting and exceeding the equipment demands of its customers. Combined with the organization's excellent manufacturing abilities is a significant level of engineering depth and expertise, which allows UEE to provide engineering services that complement and continuously improve its products, while supporting its commitment to its customers.

Underground Gold Mine, Russia – Moveable Substations



Surface Coal Mine, China – Substations



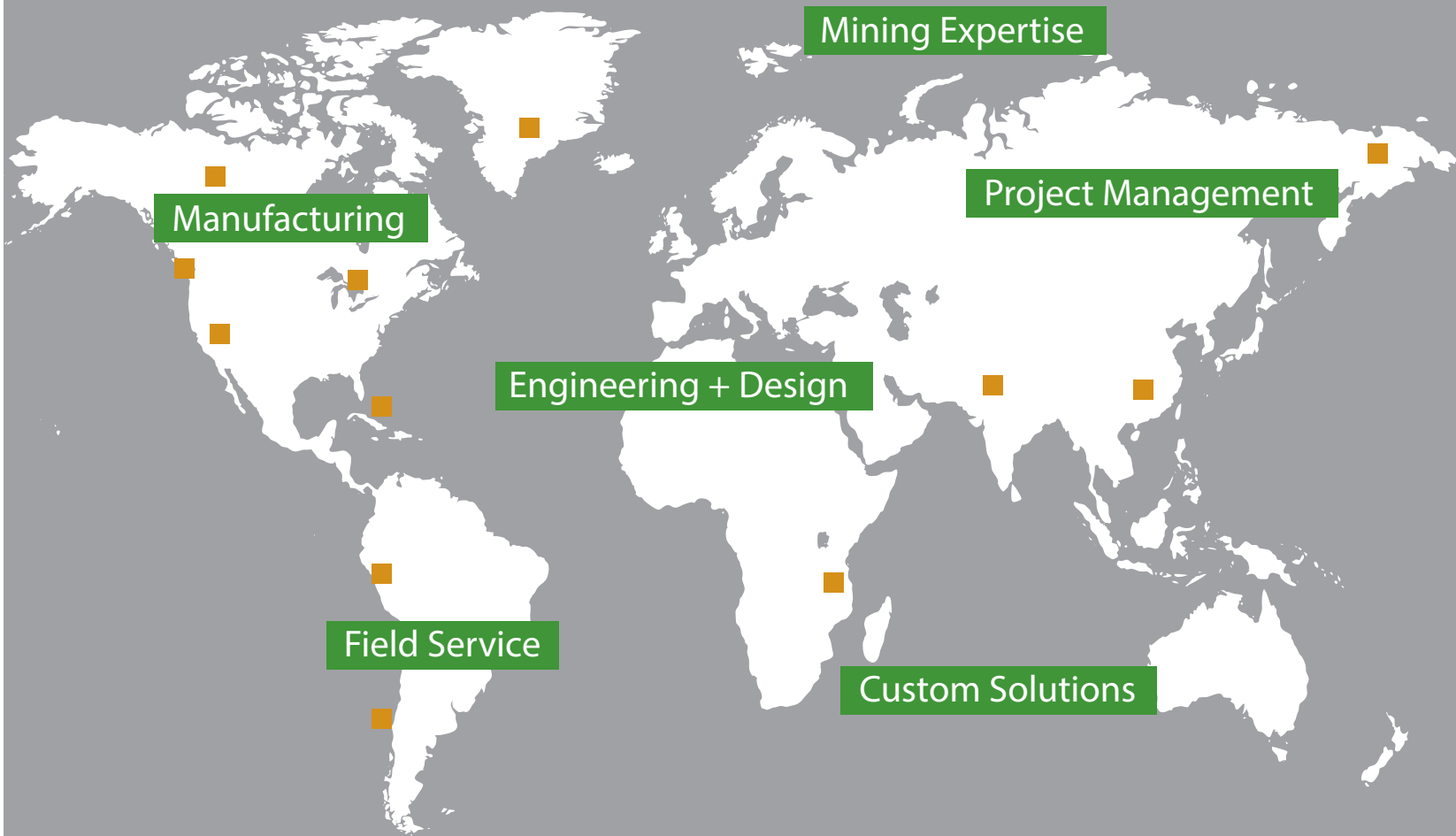
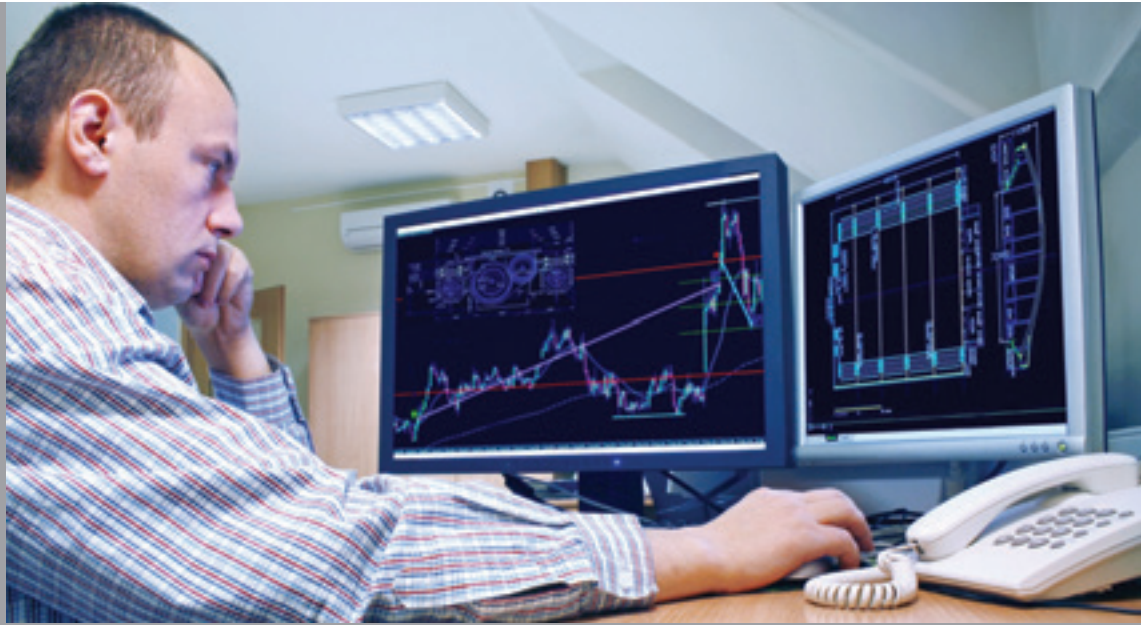
Open Pit Copper Mine, Canada – Couplers & PLC Systems



An Electrical Solutions Company

Why UEE?

Professional engineering, custom designs and standard product offerings driven by global experience and backed by supportive, knowledgeable project management and comprehensive field service make UEE your single provider of complete electrical solutions.

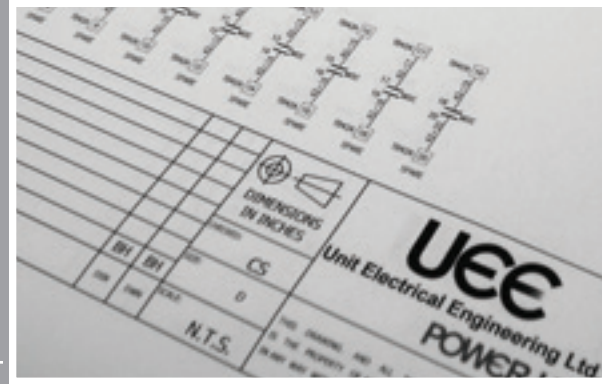


What can UEE do for your company?

Engineering + Design

Engineers and Technologists leverage the latest software, design methodology, and industry-approved practices to turn surface and open-pit mining challenges into effective and efficient solutions.

Our engineering team utilizes 3-D modeling; power-flow, fault, and protection studies; and advanced PLC and SCADA design, as it strives to innovate for our mining customers.



Manufacturing

Our manufacturing facilities integrate seamlessly with our engineering and design capabilities, resulting in consistent and efficient manufacturing of both standard and custom designs. Extensively trained and highly skilled labourers and journeymen operate the in-house foundry, machine shop, fabrication and electrical departments of our 38k+ sq ft facility.

As an ISO 9001: 2008 certified organization with equipment meeting the latest CSA and regulatory mining standards, our manufacturing processes and methods reflect our ongoing commitment to quality and safety in all aspects of our manufacturing phases.

Field Service

Through our affiliated company Wismer & Rawlings Electric Ltd. (www.wre.ca) we provide comprehensive electrical field service including testing, commissioning, maintenance, repair and upgrades for power systems around the globe. Our highly-qualified teams service switchgear, circuit breakers, generators, cables, protective system control devices, and perform Doble power factor and power transformer testing and filling using our self-contained mobile oil processing unit.

Deployable in unlimited groups, our knowledgeable service teams handle everything from simple start-ups to geographically and technically challenging projects to minimize downtime and maximize mine productivity.



An Electrical Solutions Company

UEE Mining

UEE supplies completely engineered, customizable electrical systems to mines all over the globe. From substations, e-houses, trailing cable couplers, laboratories and pit de-watering feeders, to power analysis, protection studies and on-site service, UEE offers the complete electrical mining solution.



Custom Solutions

Unconstrained by technical or commercial limitations, UEE designs and manufactures mining power solutions specifically suited to unique and challenging customer requirements. Rarely starting from scratch, UEE's devoted electrical and mechanical professionals leverage an extensive portfolio of proven power subsystems to design custom mining power solutions that exceed requirements and deliver on time.

Our ability to take project specific requirements and provide custom solutions where needed, ensures the end product meets the most onerous mining demands.

Project Management

UEE coordinates all its projects from initial proposal to final commissioning through an experienced team of project management professionals, providing customers with a convenient single point of contact for all technical, commercial, and logistic communication.

UEE's dynamic project management structure readily adapts as projects transition from design to manufacture and final delivery. Effectively working with or without consulting firms, UEE's project management structure allows customers the freedom to choose a hands-on approach if they prefer complete control or a turn-key delivery if required.

From consultants to end users, our knowledgeable and reliable project team provides superior customer support while meeting all project requirements.



UEE Mining



Surface Mining: Design and Manufacturing Solutions

UEE has been involved in the Mining Industry since our inception, innovating and engineering solutions to increase mine productivity, power distribution and mobility. The UEE Modular System, for example, originally designed and engineered by our team and now in widespread use, provides a versatile, mobile, cost-effective fully engineered solution for all of the electrical equipment a mine requires for productive functioning.

With the products our Mining customers were asking us to engineer and build – substations, switch houses, generator stations – we recognized the need for modular, stackable, standardized steel portable enclosures. Customizable to meet the unique geographical needs of any mine location, the UEE Modular System has become the “killer app” of the Mining Industry.

Underground Mining: Design and Manufacturing Solutions

UEE's range of and ability to design equipment ensures that we can supply electrical equipment used in Underground Mining. From gold, diamond, copper or other base metals, UEE supplies Underground Mining equipment to major mining companies, both domestically and internationally.

Whether it be underground moveable substations, fixed underground substations, LV distribution equipment or starters, UEE has a proven track record in Underground Mining.

Pit Dewatering Substations



Protection Control Buildings



Trailing Cable Couplers



An Electrical Solutions Company



Team

Power Up! with our dedicated, internationally experienced team of engineering professionals.

UEE maintains a design and manufacturing team of over 100 skilled engineers, technologists, technicians and trades personnel to meet the exacting demands of our clients in the Mining industry. UEE engineers support your project through the custom design of complete electrical packages, including system programming, site testing and commissioning of equipment and process systems.

For Consulting Engineering Companies, our teams deliver value-added engineering services, from system analysis to providing on-site mechanical and electrical support personnel.

To help you Power Up! your overseas Mining project, our international sales representatives are here to simplify your power procurement process, and get your project up and running.

Examples of Mining Clients across the Globe

BHP Billiton • DeBeers • Kinross • NewGold • Centerra Gold • Shenhua Group Corp. Ltd • Teck • Barrick Gold Corporation • Wabush Mines • Iron Ore Canada • Grande Cache Coal Corp. • Rio Tinto • Glamis Gold Ltd. • Suncor Energy • Shell Canada

Substations – Mobile



Switch Cabinets



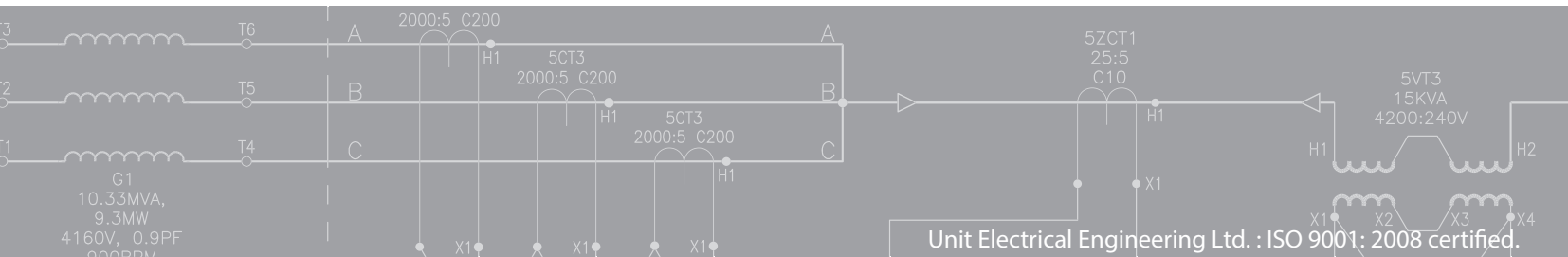
Electrical Rooms





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Latitude = 49.3387, Longitude = -119.5683 Lat = 49 degrees, 20.3 minutes North Long = 119 degrees, 34.1 minutes West

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