



MINERIA-ENERGIA-INDUSTRIA

NUESTRO ADN ES EL SERVICIO



PORTFOLIO

MINING | ENERGY | INDUSTRY

www.ummining.com.mx

SERVICE IS OUR DNA



GREAT SERVICE, TECHNICAL SUPPORT AND EFFICIENT SOLUTIONS

WHO WE ARE

We are a company oriented in the industrial mining branch, with the objective of offering predictive and corrective maintenance services and quality products, focusing mainly in offering a great service, technical support and efficient solutions required by the client.

MISSION

To satisfy the needs of our clients by supporting the continuous improvement and development of their processes for greater efficiency, with the experience and knowledge, together with our human, technological and quality capital, with timely delivery.

VISION

Being a company positioned throughout the country and abroad in the mining industry, both in manufacturing, maintenance and installation, promoting the development of our collaborators to achieve the gradual growth of our company.

BUSINESS OBJECTIVE

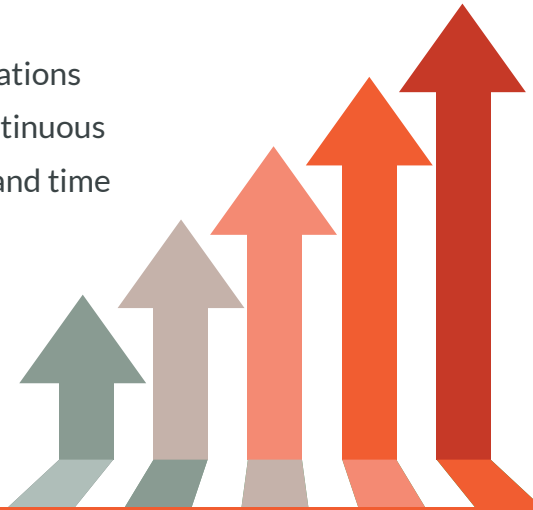


COMPLACENCY OF OUR CUSTOMERS:

We exceed customers expectations through improvements in continuous quality, service, productivity and time reduction.

GROWTH:

We aspire to grow based on the development of our existing businesses.



VALUES



INTEGRITY:

Honesty and fairness are essential in the way we conduct our business and interact with our customers. We are a company that fulfills its commitments in common agreement with the client based on the code of ethics.



PASSION:

Always committed to great enthusiasm and attitude of service in each job and/or project to be carried out, always showing the professionalism in each of our partners.



QUALITY:

We seek excellence in our human capital and every job done, promoting continuous training, always using the better equipment and tools preserving its optimal state.



LEADERSHIP:

Striving at all times always giving our best ourselves to consolidate ourselves as leaders in the country in each of the business areas of UM MINING.

EQUIPMENT SUPPLY



ELECTRIC SYSTEMS

- ▶ Frequency variators.
- ▶ Soft starters.
- ▶ ATP full voltage starters.
- ▶ UPS's.
- ▶ Dry type transformers.
- ▶ Substation type transformer.
- ▶ Transformer in oil.
- ▶ Specialized cable for mine type GGC.
- ▶ Specialized cable for mine type SHD-GC Cal 1, 2, 2/0 and 4/0.
- ▶ Metal Clad boards.
- ▶ Motor Control Center (CCM's).
- ▶ Protection relays.
- ▶ Measures.
- ▶ Tc's, Tp's.
- ▶ Plug connectors in Medium and Low Voltage.
- ▶ Medium and Low Voltage Switches.
- ▶ Supply of electric motors.
- ▶ Winding of electric motors.
- ▶ Refurbishment of components electrical/electronics in general.

EQUIPMENT SUPPLY



AUTOMATION AND CONTROL

- ▶ Voltage Sources.
- ▶ Relays.
- ▶ HMI.
- ▶ PLC's.
- ▶ CPU.
- ▶ I/O Cards.
- ▶ Voltage Source.
- ▶ Button panels.
- ▶ Control terminals.
- ▶ Control cable.
- ▶ Beldem cable.
- ▶ Ferrul and eyelet type connection terminals.
- ▶ Cabinets
- ▶ Assembly of electrical and control panels.
- ▶ Drives, Starters, PLC.
- ▶ Assembly of self-supporting boards.



ELECTRIC SYSTEMS



Electrical installations in medium and low voltage.



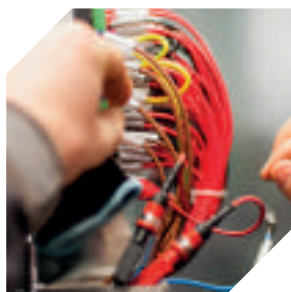
Diagnosis and repair of faults in CCM of mining processes.



Installation and supply of electrical equipment (inverters, starters, motors, etc.)



Motor winding service.



Installation and supply of specialized cables.

AUTOMATION AND CONTROL



Diagnosis, bug fix
and Schedule of
PLC's.



Development of
HMI applications.



Development of
engineering.

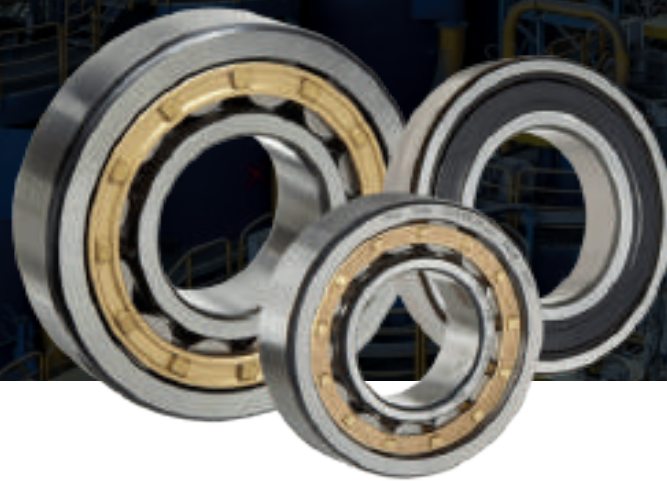


Design, Retrofit
and Starting of
control boards.



Development of projects for automatic systems, bands conveyors,
design of control systems.

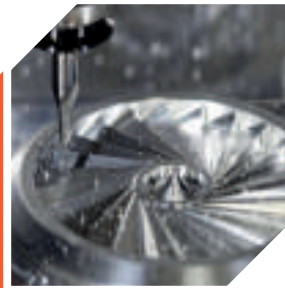
MECHANICAL SYSTEMS



SUPPLIES AND SERVICES



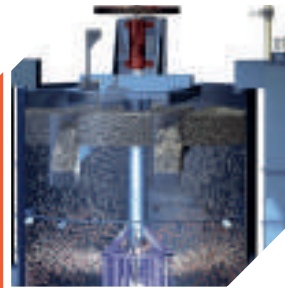
Maintenance of mills, riddles and breakers.



Machined in aluminum, steel and bronze.



Manufacturing and retrofit design.



Maintenance and shielding for chutes and flotation cells.



Supply of bearings and row lock.

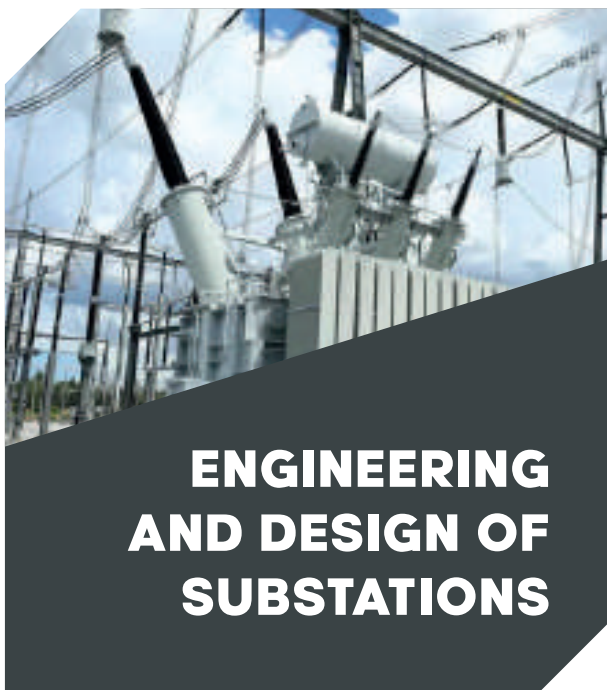


Installation of tray and gutter for conduit pipe.

SERVICES FOR ELECTRICAL SYSTEMS LOW, MEDIUM AND HIGH VOLTAGE.



- // Diagnosis, configuration and parameterization of soft starters.
- // Diagnosis, configuration and parameterization of Reduced Voltage starters.
- // Diagnosis, configuration and parameterization of frequency inverters.
- // Predictive, preventive and corrective maintenance in frequency inverters.
- // Predictive, preventive and corrective maintenance in CCM of mining processes.
- // Diagnosis of electric motors.
- // Development of electrical infrastructure in low, medium and high voltage.
- // Compliance with the new CFE network code.
- // Power factor correction.
- // Power quality studies.
- // Motor winding service.
- // Installation and supply of specialized cables.



- ▶ Consultancy.
- ▶ Procedures and permits.
- ▶ Basic engineering.
- ▶ Detailed engineering.
- ▶ Construction (civil works and electromechanical works).
- ▶ Pre-operative tests.
- ▶ Fine tuning.
- ▶ Intelligent agricultural irrigation services.
- ▶ Review of medium and high voltage lines through autonomous-intelligent guided drone systems by GPS.

SERVICES FOR ELECTRICAL SYSTEMS LOW, MEDIUM AND HIGH VOLTAGE.



- ▶ Turnkey projects.
- ▶ Reducing substations.
- ▶ High voltage lines, medium voltage lines. (13.8/23/34kv).
- ▶ Preventive and corrective maintenance.
- ▶ Low voltage networks.
- ▶ Special projects.
- ▶ Satellite photogrammetry.
- ▶ 3D volumetry of material with specialized drones.
- ▶ Power quality.



- ▶ Turnkey projects.
- ▶ Wind Farms.
- ▶ Photovoltaic Park.
- ▶ Cogeneration



- ▶ Short circuit.
- ▶ Coordination of protections and database.
- ▶ Local level mapping.
- ▶ Studies of electric arc flameout.
- ▶ Environmental impact.
- ▶ Land use.
- ▶ Soil mechanics.
- ▶ Geotechnical studies.

ADDITIONAL SERVICES



Short circuit studies, coordination, protections and electric arc.



Studies and analysis of Harmonicas.



Preventive Maintenance.



Corrective maintenance.



Training courses.

ENGINEERING AND DESIGN



SERVICE LINE

- ▶ Consulting.
- ▶ Procedures and Permits.
- ▶ Basic Engineering.
- ▶ Detail Engineering.
- ▶ Construction (civil works and electromechanical works.)
- ▶ Pre-operative tests.
- ▶ Setup and Fine tuning.
- ▶ Intelligent Agricultural Irrigation Services.

TRANSMISSION AND DISTRIBUTION



INDUSTRIAL AUTOMOTIVE



MINING



ENERGY GENERATION



AGROINDUSTRY



SPECIALIZED STUDIES



ADDITIONAL SOLUTIONS

ENERGY QUALITY



An energy quality study consists of carrying out a general review of your company's facilities to check whether or not your company complies with current electrical standards: variation of voltage, current and frequency in the electrical system.

POWER FACTOR



Power factor is an indicator of the correct use of energy; in general, it is the amount of energy that has been converted into work.

A low Power Factor means energy wasted by your company and consequently, an increase in your billing.

If the FP is greater than 90%, a discount is offered on your electricity bill and a surcharge if it is less than 90%.

NETWORK CODE



DOES YOUR COMPANY COMPLY WITH THE NETWORK CODE?

The Network Code is the technical regulation issued by the CRE (Comisión Reguladora de Energía or in english; Energy Regulatory Commission.) on April 8, 2016, which contains the minimum technical requirements necessary to ensure the efficient development of all processes associated with the National Electric System.

Network code data

The network code establishes the minimum technical requirements for all activities carried out in the Sistema Eléctrico Nacional (SEN or in english; National Electric System).

Its objective is to define technical criteria that promote the SEN to reach and maintain an "Adequate Condition of Operation".

It entered into force from the day following its publication in the Official Gazette of the Federation (April 09, 2016).

WHAT ARE THE FINES?

- With a fine of 2 to 10% of the gross income received the previous year for: "Failure to observe, seriously in the opinion of the CRE, the provisions regarding Quality, Reliability, Continuity and security of the National Electric System".

- With a fine of 50,000 to 200,000 minimum wages for: "Failure to comply with the provisions regarding Quality, Reliability, Continuity and Security of the National Electric System".



AVOID PENALTIES!

CONTACT UM MINING

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Westinghouse

THOMSON®

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WEG

TFKable

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CONDUCTORES ELÉCTRICOS

TIMKEN

VIKON
Una marca Viakable

IG
IRAPUATO

 **COOPER**
Lighting Solutions

qop


KLENOIL

TRANSFORMADORES
ORION

OUR CLIENTS



VALUE ALLIANCE

Schneider
 **Electric**



ALLIANCES OF VALUE



ARANZAZU MINING



For many suppliers it was impossible to deliver a 500hp medium voltage motor for a Mill, however UM Mining's commercial team undertook the task of obtaining it and in just 3 days the unit was delivered, this motor was a critical piece of equipment for our client.

SAUCITO MINING



One of the biggest problems in the unit was the theft of the G-GC 4/0 cable, in some cases with thefts of up to more than 2000 meters per month, there were even cases of theft just 30 minutes after installation. Seeing the problem in UM Mining, we proposed to design a cable with tinned copper, so that when cutting it, it does not look like copper but aluminum; that is to say that if it is damaged, it is purchased as a third party cable, together with this, a special colored jacket was put on, and engraved with the logo of the mining unit, and a progressive numbering every 10 meters, considerably reducing theft and solving a big problem, without sacrificing the quality of the cable.

SUCCESS STORIES



SAUCITO MINING



A case that seemed impossible due to the dates; On December 29, 2021, Minera Saucito asked us for qualified personnel to diagnose faults in the ACS800 ABB drive in production winch.

We met the need and when the service was diagnosed we noticed failures in the IGBTs and Sources, together with our supplier we took on the task of obtaining the required spare parts kits, a not easy task since the Drive model is discontinued, however, the entire commercial team located the required parts, taking them to the unit so that they could be replaced.

The process was restored without fail on January 1, 2022, earning us recognition for the effort of being on such an important date when the client needed us. Where no other supplier answered the call of our client, UM MINING was at all times until the winch started.

**WE MAKE IT POSSIBLE
WHAT OTHERS BELIEVE IMPOSSIBLE.**


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