



Electrification, Automation, and Control Systems

Product and Service Catalog

Your most valuable companion in mining operations.



Mission

Addressing our clients' requirements with holistic solutions, exceptional customer service, and effective technical support to bolster ongoing enhancements in their operations.



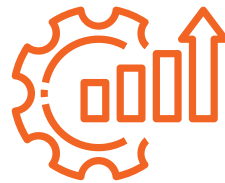
**Tailored
assistance**



**Exceptional
service**



**Emergency
response
services**



**Effective
resolutions**



**Outstanding
customer service**



Our brands



AEG

BENDER
The Power in Electrical Safety®

TF
Kable

KLEENOIL
MÉXICO

ABB

prolec

WATSON
MARLOW

CONDUMEX

UQOMM
Oxley Underground Communications

Valmet

SYM^{AI}

BELDEN



ABO valve

WOLONG



Allen-Bradley

BALDOR



Southwire



SQUARE D

Danfoss



TRANSFORMADORES
ORION

Familiarize yourself with our range of Products and Brands.

ABB



Danfoss



SQUARE D



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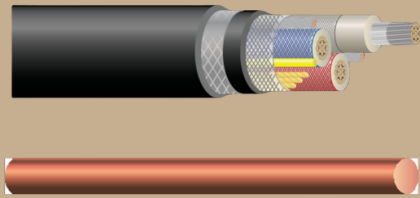
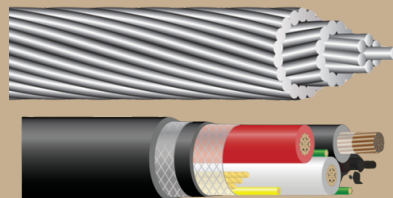
prolec[®]



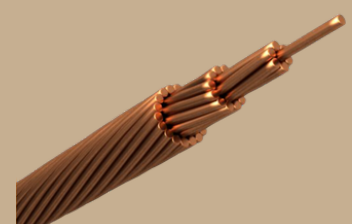
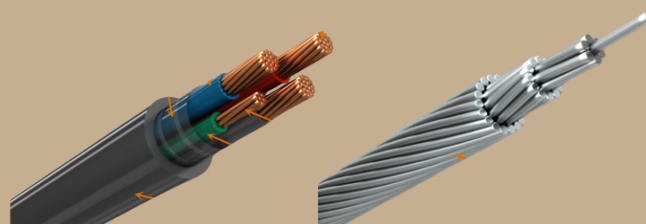
BENDER
The Power in Electrical Safety[®]



Southwire[®]



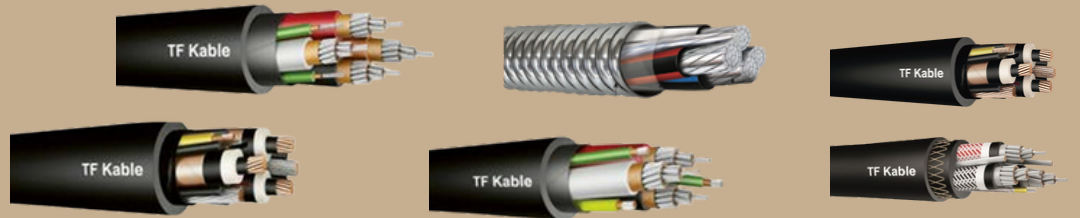
CONDUMEX



BELDEN



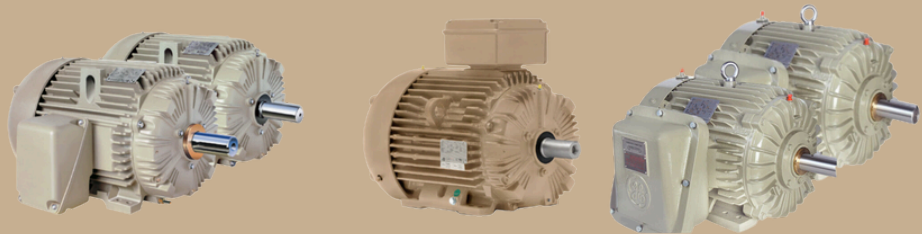
TF Kable



BALDOR



WOLONG



**WATSON
MARLOW**

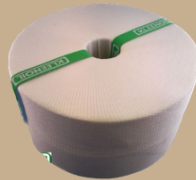


 **ABO**

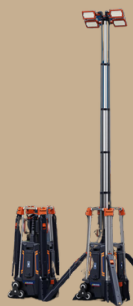




AEG



G-COMIN



Input
mining



Our distinguished brands

It is a data-driven asset management firm that enhances the efficiency, productivity, and safety of mobile assets through the application of artificial intelligence.

SYMX AI

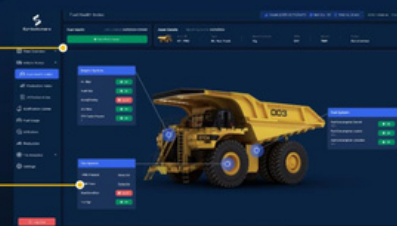
Our technology is applicable to open-pit and underground mining, as well as natural language processing.

ANÁLISIS DE ACTIVOS

INFORMACIÓN DETALLADA DE CADA ACTIVO EN LA FLOTA

Monitoreo en tiempo real del consumo de combustible

Alertas y notificaciones personalizables



ANÁLISIS DE LA PRODUCCIÓN

CONTROL DE LOS CICLOS DE CARGA PARA PREVENIR LA PÉRDIDA DE PRODUCTIVIDAD.

Análisis comparativo de los ciclos de carga en términos de tiempo y consumo de combustible.

Mapa del consumo de combustible

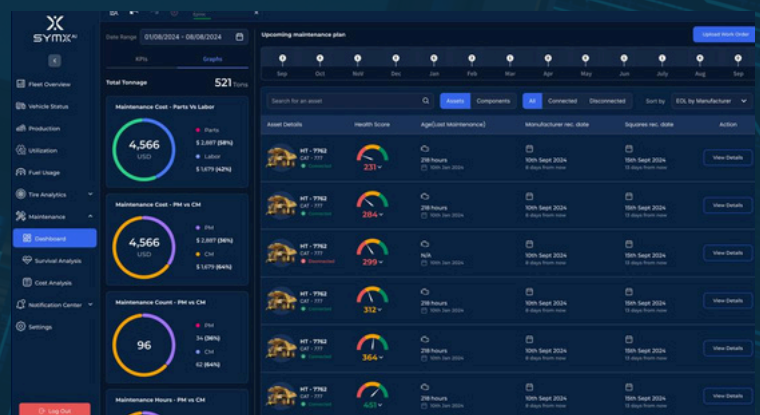


ANÁLISIS DETALLADO DE LOS CAMIONES

INTEGRACIÓN TOTAL CON LA PLATAFORMA DE GESTIÓN DE MANTENIMIENTO SQUARES.

Acceso intuitivo a los datos de cada camión de la flota

La integración con Squares facilita la predicción de la vida útil restante de los neumáticos.



NUESTRA SOLUCIÓN: DIAGNÓSTICO MEDIANTE INTELIGENCIA ARTIFICIAL

EL PROCESAMIENTO DE LENGUAJE NATURAL (NLP) REEMPLAZA EL TRABAJO MANUAL Y LOS ALGORITMOS PERSONALIZADOS.

Registros de mantenimiento

Motor de procesamiento del lenguaje natural

Estadísticas sobre los datos



Registros generados manualmente, desestructurados e inutilizables

Datos legibles por máquina utilizados para:

- Controlar los costos
- Mejorar el mantenimiento

Leading provider of Leaky Feeder Systems



An expert in tunnel and surface communication, equipped with specially manufactured devices for these environments, the system head end (heat end) transmits all information to the tunnels via leaky feeder cable, facilitating wireless communications both underground and on the surface. To maintain clarity and distinction in communications, it is essential to incorporate amplifiers at regular intervals to transmit the signal throughout all tunnels.



Master unit

Equipo convierte las señales para su distribución digital por fibra óptica hacia los equipos remotos.



VHE - Cabecera Head End

Distribuye toda la información para conectar las comunicaciones en superficie y en los túneles.



VBU - Derivador

Deriva el recorrido del cable para distribuir la red por todos los túneles.



VLAD - Amplificador

Restablece las señales que viajan por el cable leaky feeder para lograr comunicaciones claras.



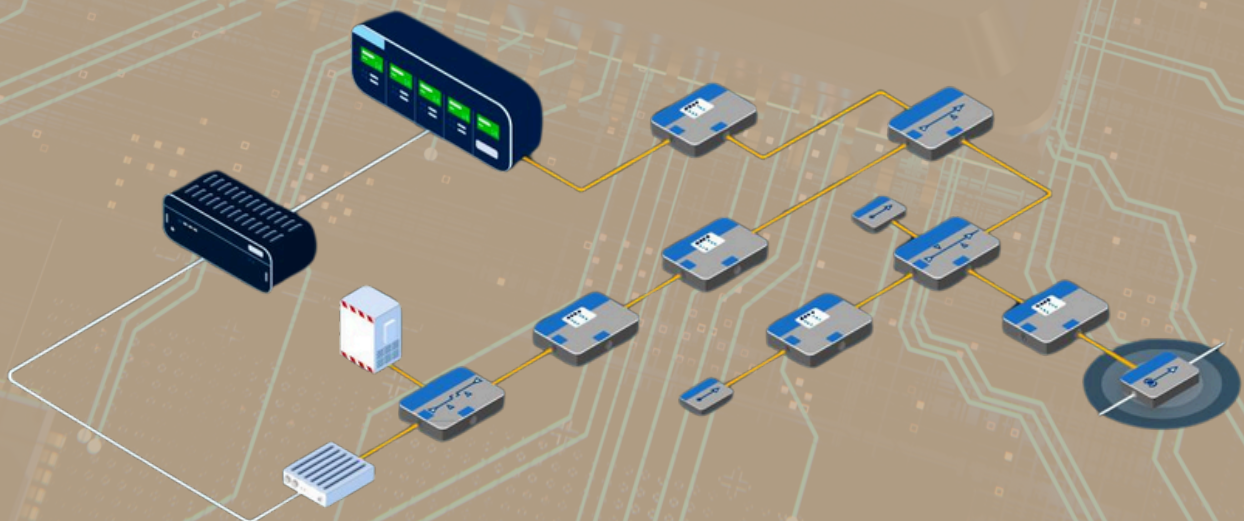
LFC - Cable leaky feeder

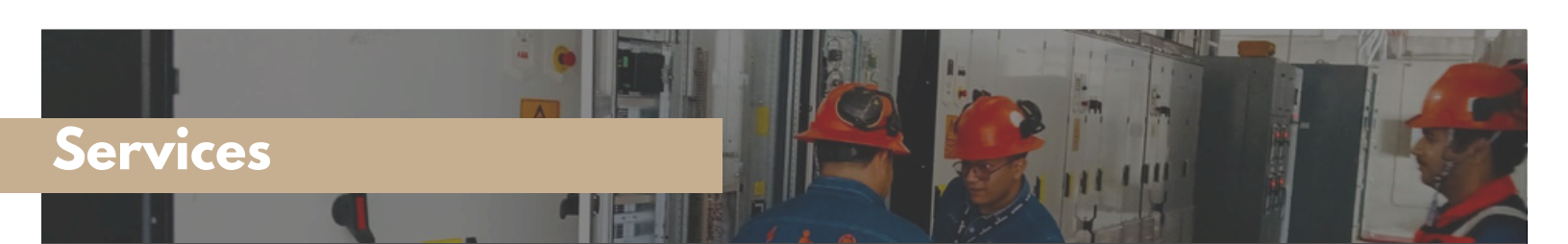
Permite las comunicaciones inalámbricas por su recorrido en los túneles.



Remote Unit

Equipo que recibe la información por la red de fibra óptica, la reconvierte y distribuye hacia la red de cable radiante.





Services

Electrical Systems

Installation and diagnosis of electrical equipment including drives, starters, motors, and transformers.

Medium and low voltage electrical installations.

Installation and diagnosis of a capacitor battery.

Installation and provision of specialized control, communication, and power cables.

Installation and diagnosis of CCM for mining operations

Installation and diagnosis of metal-clad panels.

Studies on short circuits, coordination, protection, and electric arcs.

Automation and regulation

Diagnosis, troubleshooting, and PLC programming.

Development of HMI applications.

Development of automated system projects, control system design.

Assembly of self-supported distribution and control panels.

Engineering progress.

Organized networks.

Assembly of rack-mounted boards.

Cabling infrastructure.

Maintenance and replacement of instruments.



Supply of Equipment

• CABLES

- Galvanized bare (retained, magneto, lightning rod)
- Uncovered copper and aluminum
- Specialized applications
- Aluminum with ACSR steel core
- Multiconductor
- For the distribution of WP, PSD, and DRS.
- GGC Cable
- Cable Solar Heat Gain Coefficient and Solar Heat Diffusion Coefficient.
- Submarine cables

ELECTRICAL EQUIPMENT AND COMPONENTS

- Transformers
- Transformer control
- Distribution and power transformers
- Power supply units

BOARD MANUFACTURING AND ASSEMBLY INDEPENDENT BOARDS

- Distribution panels
- Metal Cladding
- CCM'S
- Interior Sentinels
- Line Boards
- NQ panels
- E-House Manufacturing

ELECTRONICS AND INSTRUMENTATION

Telecommunications

- Coaxial
- Instrumentation and equipment linkage
- Security

AUTOMATION AND CONTROL

- Soft starters
- Button store
- Relays
- Timers
- Frequency converters
- HMI
- Sensing devices and mechanisms
- Encoders
- Software and licensing
- Grading systems
- PLC

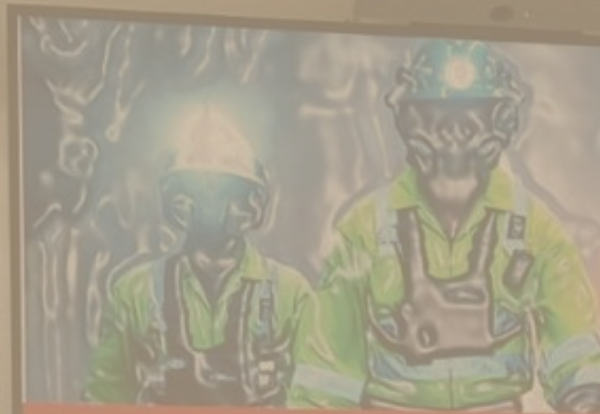
DISTRIBUTION OF ENERGY

- Starters
- Electricity meters
- Lighting and distribution panels
- Capacitor arrays
- Switches
- Engine protector
- Electricity generation facility
- Compressors

PROTECTION OF ENERGY

- Engines
- Surge suppressors
- Blades
- lightning arrester
- UPS
- Regulators
- Fuses
- Arc-flash

Our Clients



Inducción Seguridad para
Minera Roble S.A. de



PEÑOLES



GrupoMexico



AGNICO EAGLE



Our Territory



Our Partnerships



AMSAC
Asociación de Mineros de Sonora A.C.





TORREÓN COAHUILA

Headquarters

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HERMOSILLO SONORA

Angel garcia aburto
#320 Col. Balderrama



TUCSON ARIZONA



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