MICROGUIDE **PRO**
SURFACE EDITION

RELIABLE   FLEXIBLE   SAFE

The Microguide Pro Surface edition is a Human machine interface application for vehicle remote operations. It can be installed on any type of vehicle and offers almost endless customization possibilities. Any vehicle equipped with our camera system sends high quality live video feeds to an offsite operator who can then take control and operate the unit, either from surface at the mine site or anywhere else in the world using a simple wide band connection.

The system is available for all mobile fleet equipment, regardless of make or model, making it ideal for mixed fleets!

One of the biggest advantages of the Microguide Pro Surface Edition is the ability to choose any style of controller that fits the operator's preference. including joysticks, remote operating chairs, video game controllers such as Xbox and Playstation, making it a more flexible and affordable option for automation. Meglab also installs the selected telecommunication networks to support their technology, providing a highly reliable, truly turnkey product to its customers. This system opens the door to teleworking and recruitment of a qualified workforce that may not live near the mining operation. The system opens up opportunities for employees on light duties to contribute to the production effort while remaining an active team member.
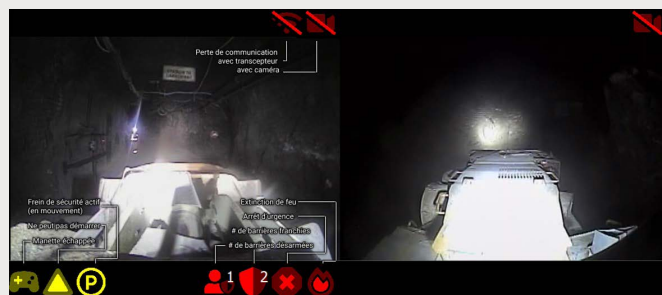
A COMPLETE SOLUTION

HARDWARE

- Encoder unit
- Control unit
- Cameras
- Barriers
- Wireless access point
- Controller of your choice
- Remote operators chairs available
- Portable control rooms available

Especially made for underground operations, the system meets the following standards :

- IP67
- Operating temperature: -40°C to 70°C

HMI

- User-friendly
- Alerts and signals

NETWORK

Our experts may audit and make recommendantions for backhaul link and access link and design your network plan. We provide a wide choice of technologies for your network that will support your teleoperation (fiber, docsis, WIFI, LTE, etc)

SAFETY FEATURES

An array of security features have been integrated in the MicroGuide Pro Surface edition to protect workers. One of our most significant features is laser boundaries which is installed at drift entries that will automatically shut down remotely operated vehicles crossing the beam. It also allows for safe operations of vehicles in unsupported drifts, keeping the worker out of harm's way.

- START-UP SEQUENCE
- SEQUENCE FOR PASSAGE FROM FORWARD TO REVERSE
- AUTOMATIC BRAKE APPLICATION
- INCLINATION DETECTOR
- EMERGENCY STOP

- LOSS OF COMMUNICATION
- BANDWIDTH OPTIMIZATION
- LIVE MAN'S SWITCH
- MOTOR SHUTDOWN ON INACTIVITY
- PHYSICAL BARRIER DETECTION

MICROGUIDE **PRO**
S U R F A C E   E D I T I O N

A TELEOPERATION SYSTEM FOR
TOTAL CONTROL OVER PRODUCTIVITY AND SAFETY

With this innovation, Meglab follows in the footsteps of the new working methods that make mining jobs more accessible.

- Designed to increase profitability, productivity and safety
- Advanced and reliable solutions
- Quick set up
- Extra productive hours during blast clearance and shift changing times
- Reduced fuel consumption in transporting workers
- No exposure to dust, flying rock, diesel fumes, and noise
- Time saving
- Complete solution available: telecommunication network application, hardware, integration and training.

TO ORDER | Contact us at orders@meglab.ca