

WE ARE LEADING THE CHARGE TO ELECTRIFY MINING.

ROKION is an OEM located in the heart of the Canadian prairies that specializes in continuous boring and haulage systems. For more than a decade, we have focused on developing battery electric technology for the mining industry. Today, we are recognized as a global leader in the field, with a solid track record of innovation and a mature, robust series of battery electric vehicles and equipment that is designed—and proven—to make mining operations safer, more efficient, and more sustainable.

Purpose-built. Our machines are not retrofits. They are purpose-built for the mining industry.

Innovative. We pioneered features such as modular battery systems and dynamic brake control for ramp descent.

Integrated. We design, engineer, test, and refine each machine to control quality standards from end to end.

Proven. Our technologies have been tested in the lab and in real-world mines for more than a decade.

Safety-focused. We integrate multiple safety systems and the world's safest battery technology.





THE POWER TO MINE THE FUTURE.

Rokion battery electric vehicles are powered by zero-emission, rechargeable, low-heat batteries that have continuous monitoring built in for optimal safety and performance.

ROKION BATTERY TECHNOLOGY

The energy that powers Rokion's R Series vehicles is produced by lithium iron phosphate (LiFePO₄) batteries, the safest, coolest reusable battery technology on the market.



Battery power. While other batteries require complex and sensitive active systems for monitoring and control, Rokion batteries are built on passively safe, rechargeable cell technology that is simple, and maintenance-friendly.

Battery management system. Operator safety is ensured through sophisticated battery management and vehicle control systems that monitor and control flow of power to protect from hazardous operating conditions..

Battery charging. The Rokion charging system is user-friendly and includes multiple levels of safety redundancy. Because it uses SAE J1772 charge connectors, the North American standard for electric vehicle charging, no special adapters or proprietary components are required.

SOLID. SAFE. RELIABLE.

The **ROKION R SERIES** battery-powered electric utility and crew trucks are engineered to handle the harshest mining conditions and the steepest ramps, traveling safely and efficiently through all corners of the mine, while producing zero emissions underground.

Zero emissions. Rokion battery electric vehicles eliminate local emissions to improve air quality and safety for mine workers.

Low maintenance. Patented modular system enhances serviceability, minimizes downtime, and improves mine asset availability and productivity.

Enhanced safety. Control systems ensure safe operation during ramp descent and include advanced controls for the battery, drive, and charging systems.

Rugged construction. Vehicles are designed to withstand rough terrain, high temperatures, abrasive conditions, and corrosive operating environments.

TechCenter. Access personalized support online, including equipment performance reports, technical support, safety and service updates, parts ordering, and more.



R-SERIES

R100 - MOST AGILE

This medium-duty vehicle facilitates quick access and high maneuverability in confined and high-traffic areas.



R100 / 2 Passenger Utility



R100 / 4 Passenger Utility

R200 - MOST VERSATILE

This versatile, all wheel drive mine-duty vehicle comes in 2-11 crew and utility options.



R200 / Ramp 2 Passenger Utility



R200 / 6x6 Ramp Electrician



R200 / 4 Passenger Ramp Utility



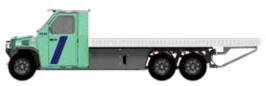
R200 / 6x6 Mechanic



R200 / 6x6 Electrician



R200 / 6x6 Ramp Utility



R200 / 6x6 Ramp Deck Hauler



R200 / 8 Passenger Utility



R200 / Ramp Electrician



R200 / 11 Passenger Bus



R400 / 12 Passenger Bus



R400 / Mine Rescue Ambulance

R400 - MOST ADAPTIVE

This rugged, heavy-duty ramp vehicle comes in 3-12 passenger utility & crew configurations.



R400 / 3 Passenger Mechanic

R700 - CONFIGURABLE UTILITY CARRIER

This modular machine is available as a forklift, Roof Bolter, front-end loader, backhoe, tire manipulator, and aerial work platform.



R710 / Roof Bolter



R700 / 6,000 - 11,000 lbs Forklift



The **R100** was engineered for the demands of underground mining and is our most agile platform design.

This rugged, medium-duty mining vehicle was designed to provide quick access and high maneuverability in both confined spaces and high traffic areas.

The R100 series includes a four-passenger crew truck and a two-passenger utility truck. Both models are built on the same frame dimensions and are available in ramp-ready configurations.



PASSANGERS 2-4	DRIVE 4WD	22 kWh
MAX. PAYLOAD	MAX. RANGE	MAX. SPEED
1400 LBS	up to 120km (75 miles)	35 km/h (22 mph)



The **R200** was engineered for the demands of underground mining and is our most versatile platform design. This mediumduty vehicle provides all-round capability in soft rock mining applications.

The R200 series can be configured as a 2 passenger 6x6 for maximum payload or as a 8 or 11 passenger crew transport, all with parts commonality that simplifies training for operation and service personnel, while minimizing replacement part inventory..



PASSANGERS	DRIVE	BATTERY CAPACITY
2-11	4WD or 6WD	27 to 54 kWh
MAX. PAYLOAD up to 5500 LBS	MAX. RANGE up to 150 km (90 miles)	MAX. SPEED up to 35 km/h (21 mph)



The **R400** was engineered for the demands of underground mining and is our most adaptive platform design.

This rugged heavy-duty vehicle was designed to provide a battery ramp truck capable of transporting a large crew in mine applications. The R400 series includes six-passenger, nine-passenger, and twelve-passenger crew trucks and a three-passenger utility truck.

All R400 trucks are built with the same drive, power, and battery modules and are available in ramp-ready configurations with full HVAC and optional wet brakes..

PASSANGERS 3 to 12	DRIVE 4WD	BATTERY CAPACITY 100 kWh
MAX. PAYLOAD 6000 LBS	MAX. RANGE up to 120 km (75 miles)	MAX. SPEED up to 32 km/h (20 mph)





The **R700** and **R710** Series are modular, articulated machines built to meet a range of underground needs and capable of taking on the toughest underground terrains.

R700

Designed primarily as a forklift, the versatile R700 is available in a wide array of configurations, including a front-end loader, backhoe, tire manipulator, and aerial work platform.

A 180-degree rotating seat gives operators independent control of front- and back-end components, while independent front and rear drive modules and dual steering cylinders help them navigate rough underground terrain.

R710

An even heavier-duty machine, the R710 Series is designed to replace fuel-driven roof bolters and forklifts, with an array of customizable front-end options available.

Equipped with the same independent front and rear drive modules and dual steering cylinders as the R700, this model is also outfitted with certified falling object protective structures (F0PS) to ensure operator safety during use.

PASSANGERS 1	DRIVE 4WD	BATTERY CAPACITY 43 kWh
MAX. PAYLOAD	MAX. RANGE	MAX. SPEED
6000 - 10,000 LBS	TBD	14 km/h (8.5 mph)

STANDARD FEATURES

Every machine in the R Series is equipped with these standard features:

FROM THE GROUND UP.

As the OEM for the entire R Series product line, Rokion engineers and builds each vehicle from start to finish, which enables us to deliver exceptional customization and quality control.

- Modular platform for enhanced serviceability and minimal downtime
- Zero diesel particulate matter emissions
- Rugged independent suspension for better handling and stability over rough terrain
- Regenerative braking for reduced brake wear on ramps of up to 20% grade
- Regenerative energy transfer to return power to batteries and extend lifespan
- LiFePO₄ batteries for superior thermal stability over other lithium-ion battery types
- High lifecycle batteries for shorter charge times and less frequent replacements
- J1772 charging standard for fleet compatibility
- Extended battery range to allow for full shift without charging

NEXT-LEVEL SAFETY.

The R Series is designed to keep operators and passengers safe in extreme mining situations that include rough terrain, high temperatures, abrasive conditions, and corrosive operating environments.

STANDARD SAFETY FEATURES

- Backup cameras, alarm and operator-accessible horn
- Dedicated disconnect switches
- · Ergonomic design
- · Regenerative braking
- Fail-safe brakes certified to CSA M424-M90
- Front and rear work lights
- Improved visibility
- Low center of gravity
- Lockable main power and auxiliary disconnects
- Programmable acceleration, deceleration, and speed
- Roll-over and falling object protection
- Safety interlocks for charge and drive systems
- Safety lighting
- SAE J1772 charging
- Suspension for rough terrain
- Stable battery chemistry
- Traction control

OPTIONAL SAFETY FEATURES

Speed Zone Control System

Automatically reduces the vehicle's maximum travel speed upon entering predefined low-speed areas.

Driver Profile System

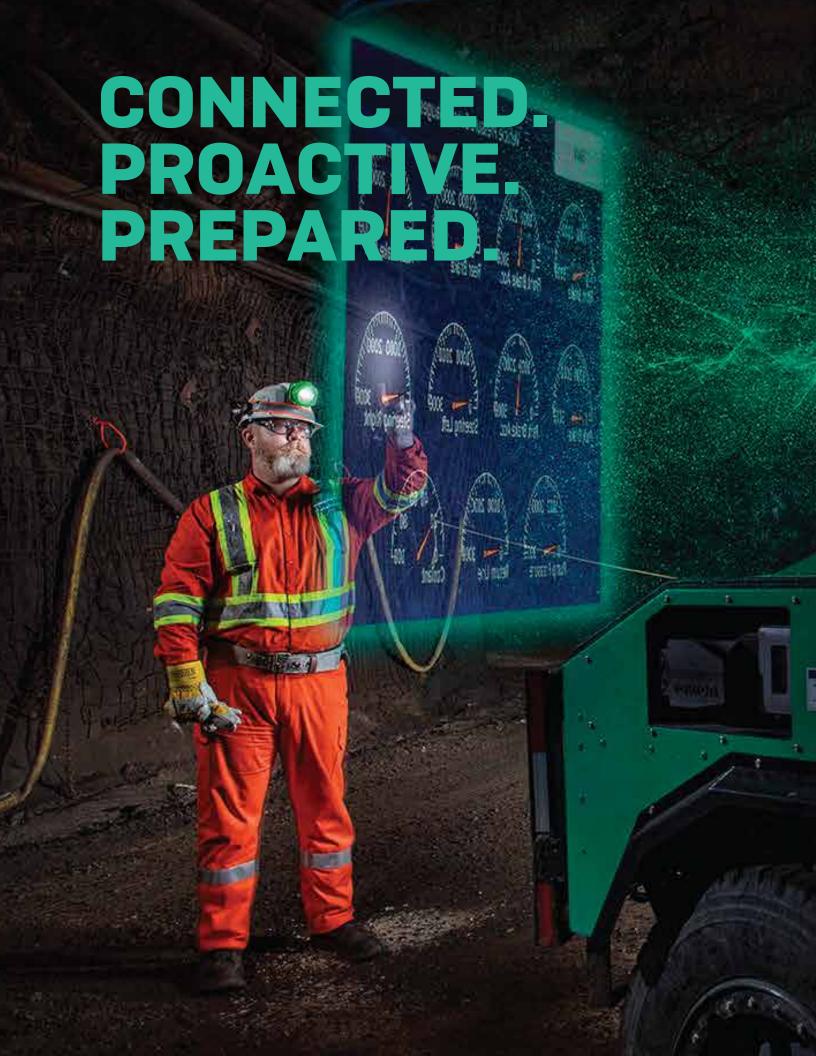
Controls speed limits for different operators based on factors such as ground conditions, traffic volume, personnel areas, and operator responsibilities.

Ramp Control Systems

Regenerative Braking, Integrated Brake Resistor, and Adaptive Speed Control systems complement standard service and fail-safe brakes to enhance safety during descent.

Adaptive Vehicle Control

Adaptive Vehicle Control Technology automatically optimizes the vehicle's allowable speed based on regenerative braking capacity of the battery.



ROKION TECHCENTER

Simplify the maintenance of your Rokion trucks and equipment with TechCenter, an online platform that connects you to Rokion's service experts and other resources.

TechCenter links directly to your battery-powered vehicle and generates real-time equipment health and performance reports. You can also request technical support, view relevant safety and service updates, access troubleshooting support and on-demand parts ordering, and much more.

Data collection. Upload data logs from your vehicle and view equipment reports in real-time to monitor performance and share the data with our technicians.

Fleet management. Track important diagnostic information and see how it relates to machine health and performance.

Service portal. Resolve issues yourself with access to troubleshooting documentation, get remote support from our technicians, or book an onsite service call.

"True quality is a way of thinking, a way of doing business and, ultimately, a way of satisfying our customers' long-term needs."

BROUGHT TO YOU BY PRAIRIE MACHINE.

Prairie Machine is a global leader in the manufacturing and supply of heavy-duty equipment and technical solutions for the mining industry. Located in the heart of the Canadian prairies, Prairie Machine has supplied the industry with high-quality, custom-engineered equipment for more than four decades.

In 2015, Prairie Machine created Rokion to lead the mining industry in fleet electrification. Today, Rokion is one of the only OEMs to specialize in purpose-built battery electric mining technology, and our vehicles can be found in some of the largest underground mines in Canada, South America, and Mexico.

We are ISO9001 Quality Management System certified and follow the strict environmental regulations required of Canadian manufacturers. We are committed to maintaining the highest standards of quality, safety, and sustainability so that we can support mines around the world to do the same.











rokion

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