

MEDIA RELEASE

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ELECTRIFYING THE MINING INDUSTRY A REALITY THROUGH THE WORLD'S FIRST IECEx GROUP I CERTIFIED ELECTRIC VEHICLE

- Ampcontrol battery electric vehicle solutions for underground mines receive full IECEx certification
- DRIFTEX is the world's first IECEx Group I certified electric vehicle, using an Intrinsically Safe traction battery

Ampcontrol delivers on promise to lead the global energy revolution after receiving certification for DRIFTEX, the world's first IECEx Group I certified Electric Vehicle (EV), using an Intrinsically Safe traction battery.

Ampcontrol Electric Vehicle, DRIFTEX, is helping to decarbonise and electrify the mining industry. Designed and developed in response to growing industry demand for low emissions technology, DRIFTEX offers significant health and environmental improvements on mine sites by removing carcinogens, minimising noise, and reducing demand on mine site ventilation.

Certified to operate and remain in Group I hazardous areas, DRIFTEX uses an Intrinsically Safe traction battery, the chemistry of which is designed to be fundamentally stable and not susceptible to a thermal runaway. Every cell in the battery pack is continuously monitored, even when not in use by an Ex ia BMS to ensure safety.

"We're applying our radical thinking and innovative collaborations to challenge the future with solutions that help our mining customers electrify their operations and make net zero a reality. Already in production and on their way to customers, this includes DRIFTEX, which we can proudly say is the world's first IECEx Group I certified electric vehicle.," said **Rod Henderson, Ampcontrol Managing Director & CEO**.

Ampcontrol is focused on diversifying and growing the business, focusing on renewable energy manufacturing and how it can support resource industry customers in decarbonisation and mine site electrification.

"We're making great strides in electrifying mining, with a collection of Electric Vehicle packages, stand-alone power systems, and microgrids that can facilitate customers' industrial needs and ensure a sufficient energy supply while minimising carbon emissions.," added Mr Henderson.

The innovative technology, as well as the environmental, social, and health benefits of DRIFTEX, have been recognised in 2023 with awards including the Health, Safety, Environment and Community People's Choice and Health Excellence awards and Ampcontrol being named one of Australia's Most Innovative Companies for 2023 by the Australian Financial Review (AFR) for its advanced Australian manufacturing of energy solutions, specifically DRIFTEX.

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Key IECEx certifications that have been achieved by DRIFTEX are detailed below, including the world's first Intrinsically Safe Traction Battery.

Item	Protection Technique	Certificate Number
Intrinsically Safe Battery Module (ISBM)	Ex ia ib	IECEX ExTC 22.0029X Issue 0 IECEx Certificates (iecex-certs.com)
Battery management and interface between the EV Guard and ISBM	Ex ia	IECEX ExTC 22.0028X Issue 0 IECEx Certificates (iecex-certs.com)
Ev guard - battery interface with tripping circuits	Ex ia	IECEX ExTC 22.0027X Issue 0 IECEx Certificates (iecex-certs.com)
Drain for Ex enclosures that contain fluids	Ex d	IECEX ExTC 22.0022U Issue 1 IECEx Certificates (iecex-certs.com)
Enclosure for battery isolation, control, and oil cooling pump	Ex d s	IECEX ExTC 21.0006X Issue 1 IECEx Certificates (iecex-certs.com)
Enclosure for motor, guards, and dashboard	Ex d s	IECEX ExTC 22.0013X Issue 0 IECEx Certificates (iecex-certs.com)
Enclosure for Foot pedal interface	Ex d	IECEX ExTC 22.0001X Issue 0 IECEx Certificates (iecex-certs.com)

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Ampcontrol is challenging the future by solving the most complex problems in energy. Ampcontrol creates energy solutions of scale using innovation partnerships, their smart people and advanced Australian manufacturing. Their vision is to lead the global energy revolution and make net zero a reality. Every day, the world-first innovations from Ampcontrol help and support customers in all industries to decarbonise. With a proven track record of award-winning innovations and 55 years of developing custom energy solutions, Ampcontrol is trusted by customers worldwide to future-proof their business.

MEDIA CONTACT

Crystal Bergemann

Ampcontrol, Group Manager – Marketing & Communication

P: 02 4961 9000 or 0427 633 423

E: crystal.bergemann@ampcontrolgroup.com

ampcontrolgroup.com