

# The battery-electric Cat<sup>®</sup> R1700 XE underground LHD has new trade dress, produces zero exhaust emissions

TUCSON, Ariz., September 21, 2024 – The electric Cat<sup>®</sup> R1700 XE Load Haul Dump (LHD) displayed at MINExpo 2024 offers 100% battery-electric propulsion, producing zero exhaust emissions and significantly less heat generation than a reciprocating engine powered model. Matching the performance of the diesel-powered R1700 and using switch reluctance (SR) technology, the R1700 XE features fast-onboard charging, allowing the batteries to be charged while remaining on the machine. The Cat MEC500 Mobile Equipment Charger fully charges the R1700 XE in less than 30 minutes with a single charger and less than 20 minutes using two units.

- The R1700 XE's new blue trade dress represents battery electric and zero tailpipe carbon emissions, including exclusive ancillary items and accessories
- Multiple design feature carryovers from the R1700 platform improve machine component durability and reliability, resulting in better machine availability
- Autodig delivers optimal loading and traction control to maximize tire life
- Offers 15 tonnes (33,069 lb) payload and 18 kph (11.2 mph) fully loaded top speed
- MEC500 charger eliminates the need for the R1700 XE to travel to a permanent, expensive charging bay and affords quick-opportunity charging
- The in-cab climate control system features high airflow, wide defrosting coverage and low noise levels
- STIC<sup>™</sup> (steering and transmission integrated control) steering provides maximum machine responsiveness and control
- Multilayered electrical safety systems withstand the rigors of underground mining
- Intrinsic to the battery-electric vehicle design, the R1700 XE has fewer parts for reduced maintenance, and it shares strong parts commonality with the R1700
- Provides 250 kW (335 hp) rated peak power and 220 kW (295 hp) rated nominal power output
- The efficient SR traction and auxiliary motors offer long, 16,000-hour service intervals
- Standard Product Link<sup>™</sup> Elite system for machine health monitoring boosts connectivity and increases availability of the data provided by the R1700 XE

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# TRADE PRESS RELEASE

## Product Update

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