

APPENDIX X

GLOSSARY OF TECHNICAL TERMS

This glossary contains definitions of certain technical terms used in this Document in connection with our Company. Such terms and their meanings may not correspond to standard industry definitions or usage.

“5G”	the fifth-generation mobile network, a new global wireless standard after 1G, 2G, 3G and 4G networks
“AGV”	automated guided vehicles
“AI”	artificial intelligence, the ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings
“axle”	a central shaft for a rotating wheel or gear supporting the weight of the machinery, transmitting driving torque and enabling movement across various terrains
“BOM”	bill of materials
“boom”	an extendable or fixed arm of an excavator that supports the lifting mechanism
“bucket capacity”	a measure of the maximum volume of the material that can be accommodated inside the bucket of the excavator
“Configuration”	products that are adaptively developed based on existing “Variant” according to customers’ working conditions
“digital twin”	a virtual representation of a physical object or system that serves as a real-time digital counterpart for simulation and testing
“EAM”	enterprise asset management
“ECU”	electronic control unit
“ERP”	enterprise resource planning
“FOPS”	Falling Object Protective Structure
“four rollers and one track”	carrier roller, sprocket, track roller, idler wheel and track assembly
“Hz”	Hertz, a unit of measurement for frequency

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“Intelligentization”	The application of advanced technologies, such as AI, assisted operation, remote control and autonomous driving systems across L1 to L5 levels, to empower construction machinery with autonomous capabilities in analysis, decision-making and execution, which enables a progressive transformation of construction machinery from manual operation to semi-automation, and ultimately to full automation, tailored to specific operational scenarios.
“IoT”	Internet of Things, a system of interrelated computing devices with the ability to transfer data over a network without requiring human interaction
“LiDAR”	light detection and ranging, a method for determining ranges by targeting an object or a surface with a laser and measuring the time for the reflected light to return to the receiver
“MBOM”	manufacturing bill of materials
“MES”	manufacturing execution system
“Platform”	products that are newly developed based on market demand and different from the existing products
“PLM”	product lifecycle management
“QMS”	quality management system
“RGV”	Rail Guided Vehicle
“ROPS”	Roll-over Protective Structure
“SaaS”	software as a service, a software licensing and delivery model in which software is licensed on a subscription basis and is centrally hosted
“SBOM”	software bill of materials
“SPM”	system of process management
“SRM”	supplier relationship management
“three electric systems”	electric drive system, battery system and vehicle control system in new energy construction machinery
“total cost of ownership”	the purchase price of an asset plus operating costs over its lifespan
“Variant”	products that are technically upgraded from existing “Platform”
“WMS”	warehouse management system