
GLOSSARY OF TECHNICAL TERMS

This glossary of technical terms contains explanations of certain technical terms used in this document in connection with our Company and our business. Such terminology and meanings may not correspond to standard industry meanings or usages of those terms.

“5C” & “10C”	“C” is the unit for battery charge and discharge rate, and 5C indicates that the battery can be fully charged in one-fifth of an hour or 12 minutes, while 10C indicates that the battery can be fully charged in one-tenth of an hour or 6 minutes
“3D”	a three-dimensional physical space characterized by length, width and height
“CSAM Centre for Sustainable Agricultural Mechanization of the United Nations”	a United Nations regional institution promoting sustainable mechanization in agriculture across Asia and the Pacific
“EHS”	Environmental, Health & Safety, which is a compliance and risk management framework covering environmental protection, workplace health and safety regulations
“embodied intelligence”	a robotics and AI concept where intelligence is not just programmed but emerges through the robot’s physical interaction with its environment. It integrates perception, cognition, decision-making, and action in real time. In agricultural robotics, embodied intelligence enables machines to adapt to complex, unstructured environments like fields, orchards and greenhouses, making them more autonomous, flexible, and capable of lifelong learning
“fixed-wing aircraft”	an aircraft with rigid wings that do not move, relying on forward motion to generate lift. These aircraft typically include planes and gliders
“Mechanization”	the replacement of manual labor with machines across all stages of agricultural production — from planting to harvesting
“IoT”	internet of things, the collective network of connected devices and the technology that facilitates communication between devices and clouds, as well as between devices themselves

GLOSSARY OF TECHNICAL TERMS

“ Lithium Batteries ”	rechargeable batteries that use lithium ions as the primary component of their electrochemistry. In agricultural robotics, lithium batteries enable longer operation times and faster charging
“ RTK ”	real-time kinematic
“ SAC/TC435/SC1 ”	the National Unmanned Aircraft Systems Subcommittee of the Standardization Administration of China
“ VLMs ”	Visual Language Models, which are a type of multimodal AI that combines computer vision and natural language processing (NLP). They can understand and generate text based on visual inputs (like images or videos) or generate visuals from text prompts