
GLOSSARY OF TECHNICAL TERMS

This glossary of technical terms contains explanations of certain terms used in this document in connection with our Group and our business. The meaning of these terms may not necessarily correspond to standard industry meaning or the usage of these terms.

"5G"	5th-generation mobile communication technology
"AGV"	automated guided vehicle, a self-guided automated vehicle designed to autonomously transport materials in industrial manufacturing
"AI"	artificial intelligence, an area of computer science that focuses on machinery simulation of intelligence displayed by humans and other animals
"BOM"	bill of material, a list that describes the composition and required materials of a product
"CAC"	Cyberspace Administration of China
"CAGR"	compound annual growth rate
"CC"	Company Communications, an online customer service system that integrates real-time communication, customer management, service monitoring, and data analytics into a single internet-based platform
"CFR"	the acronym for cost and freight, which requires the seller to arrange for the carriage of goods by sea to a port of destination and provide the buyer with the documents necessary to obtain the goods from the carrier
"CIF"	the acronym for cost, insurance and freight, where the seller is responsible to arrange for the carriage of goods by sea to a port of destination, and provide the buyer with the documents necessary to obtain the goods from the carrier, and the risk delivered

GLOSSARY OF TECHNICAL TERMS

"CII"	critical information infrastructure refers to the important network facilities and information systems in important industries and fields such as public telecommunications, information services, energy, transportation, water conservancy, finance, public services, e-government and national defense science, technology and industry, as well as other important network facilities and information systems which, in case of destruction, loss of function or leak of data, may result in serious damage to national security, the national economy and the people's livelihood and public interests
"CIIO"	critical information infrastructure operator
"Client-Edge-Cloud"	a distributed computing architecture, aiming to optimize system performance, reduce latency, and improve resource utilization by distributing computing tasks among clients, edge devices, and the cloud
"CNC"	computerized numerical control
"CRM"	customer relationship management system
"CVT"	continuously variable transmission, an advanced transmission system in tractors that enables smooth, uninterrupted speed changes without fixed gear steps by automatically adjusting the transmission ratio based on real-time load conditions
"ECVT"	electric continuously variable transmission
"EMS"	a system that consists of self-driving carriers suspended from an overhead monorail track, allowing for flexible, efficient and automated movement of materials or components across different zones of the facility
"ERP"	enterprise resource planning, a business process management software that allows an organization to use a system of integrated applications to manage the business and digitalize back-office functions relating to technology, services, and human resources

GLOSSARY OF TECHNICAL TERMS

“FOB”	the acronym for free on board, which requires the seller to assume responsibility until the products are loaded onto the shipping vessel
“horsepower”	a unit of measurement of power
“Huang-Huai-Hai”	a significant region in eastern China, formed by the alluvial of the Yellow River, Huai River, and Hai River, and serves as a vital agricultural base with a dense population and rich cultural heritage
“Transmission”	a transmission mechanical device used to adjust the speed and torque based on road conditions and operator requirements by shifting gears
“gear shift”	the act of changing the gear ratio in an engineering machine’s transmission, which adjusts the balance between speed and torque
“GHG”	green house gas, any gas that has the property of absorbing infrared radiation emitted from earth’s surface and reradiating it back to earth, thus contributing to the greenhouse effect
“intelligent agricultural machinery”	agricultural machinery that integrates modern information technologies such as artificial intelligence, remote communication systems, big data, cloud computing, sensors and automatic control with agricultural machinery, equipment and technologies, which is an industry term as advised by our Industry Consultant
“IP”	intellectual property
“ISO”	the International Organization for Standardization, a non-governmental organization based in Geneva, Switzerland, for assessing the quality systems of business organizations
“ISO 9001”	a standard published by ISO, prescribing specific requirements for a quality management system in an organisation

GLOSSARY OF TECHNICAL TERMS

“ISOBUS”	ISO 11783, a standardised communication protocol used in agriculture and forestry machinery
“IoT”	internet of things, the collective network of connected devices and the technology that facilitates communication between devices and the cloud, as well as between devices themselves
“IT”	information technology
“kg/s”	kilogram(s) per second
“kJ”	kilojoules
“mechanical shift”	a transmission system in tractor that requires manual gear changes using a clutch
“MES”	manufacturing execution system, a system used in manufacturing to track and document the transformation of raw materials to finished products in a production plant
“MIIT”	Ministry of Industry and Information Technology of the PRC
“mu”	mu, unit of area measurement, equivalent to approximately 666.67 square meters
“kWh”	kilowatt hour, unit of energy delivered by one kilowatt of power for one hour
“PLM”	product lifecycle management
“PMS”	project management system
“power shift”	a semi-automated transmission system in tractors that enables gear changes without the use of a clutch, instead relying on levers or buttons for quick shifting
“PTO”	power take-off, a drive shaft installed on a tractor allowing implements with mating fittings to be powered directly by the engine
“R&D”	research and development

GLOSSARY OF TECHNICAL TERMS

“SAP”	an acronym for systems, applications, products, an enterprise resource planning system and an accounting-oriented information system that provides users with a real-time business application
“SKU”	stock keeping unit
“smart agricultural solution”	a systematic solution providing a suite of intelligent agricultural equipment and digital, interconnectivity services grounded on the industrial essence of smart agriculture, which is an industry term as advised by our Industry Consultant
“‘space-air-ground’ agricultural monitoring framework”	a system that combines agricultural data (including seeding status, soil moisture, pest conditions and disaster indicators) collected via IoT sensors, drone imaging and satellite remote sensing, as well as operational data collected via intelligent agricultural machinery, which is analyzed through the smart agriculture management platform to generate actionable instructions and decisions
“sq.m.”	square meter
“SRM”	supplier relationship management
“TBOX”	telematics box, a vehicle electronic control unit handling bidirectional communications between a vehicle and the outside world
“tCO₂e”	metric tonnes of carbon dioxide equivalent, illustrating the amount of GHG emitted during a given period
“Teamcenter”	a product lifecycle management system