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Duos Releases Six Additional AI Detection Models for Rail Customers

AI-Infused Infrastructure Enhancing Safety Across North American Rail Network

JACKSONVILLE, FL / ACCESSWIRE / January 17, 2023/ [Duos Technologies Group, Inc.](#) ("Duos" or the "Company") (NASDAQ:DUOT) through its operating subsidiary Duos Technologies, Inc., a provider of machine vision and artificial intelligence that analyzes fast moving trains and trucks, today announced the release of six new artificial intelligence ("AI") detection models for use with the Company's Railcar Inspection Portal ("[rip@](#)" or "RIP") solution. The new offerings are the latest additions to a growing catalog of automated inspection tools that allow railcar operators to detect a wide variety of defects such as the condition of air hoses, sill steps, hand brakes, wheels and uncoupling levers. Other detections relate to coupler heights and unsecured pneumatic unloader caps all of which are operational and safety components for freight railcars. These detections can help to reduce Line-Of-Road ("LOR") delays, a key metric for railroad operations.

Each detection model in Duos' catalog is designed to target and identify specific defects or anomalies on railcars as they pass through the RIP at track speed. Most of the models are focused on identifying railcar defects relating to inspection points that are required by the Federal Rail Administration ("FRA") and other regulatory agencies. These latest additions, for which several of the Company's Class 1 Railroad customers have expressed a need, are also intended to address FRA inspection requirements. In addition to undergoing lab testing as well as the Company's stringent quality assurance processes, all six models have been successfully performing in customer-owned environments for several weeks.

"I am encouraged with the way our AI team is performing and the pace at which we've been able to introduce updates to our leading inspection capabilities," said Duos Chief Executive Officer Chuck Ferry. "We continue to focus on being an artificial intelligence company first and foremost, and we expect the use cases for the AI solutions will only increase in quality and quantity as we continue to grow our operations in this area. These new detection models are a key piece of the ongoing expansion of our rail business and help support the increasing value proposition for our more recent efforts towards a new subscription offering."

"We are committed to providing AI-assisted inspection in areas that will yield the greatest value to our customers," said Duos Chief Technology Officer Jeffrey Necciai. "We routinely interface with key customer accounts to understand the shifting needs of the market and have accumulated several requested inspection points that we will be seeking to address in the future. We are pleased with the delivery timelines and quality of the most recent models and look forward to continuing our development of additional solutions throughout the years to come." Duos publishes a catalog of AI detection models which can be accessed [here](#).

The Company [recently released](#) metrics highlighting that its technology is performing scans on about 35% of the total North American railcar population and expects that percentage to increase in 2023 and beyond.

About Duos Technologies Group, Inc.

Duos Technologies Group, Inc. (Nasdaq: DUOT), based in Jacksonville, Florida, through its wholly owned subsidiary, Duos Technologies, Inc., designs, develops, deploys and operates intelligent vision based technology solutions supporting rail, logistics, intermodal and government customers that streamline operations, improve safety and reduce costs. The Company provides cutting edge solutions that automate the mechanical and security inspection of fast-moving trains, trucks and automobiles through a broad range of proprietary hardware, software, information technology and artificial intelligence. For more information, visit www.duostech.com

Forward- Looking Statements

This news release includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, regarding, among other things our plans, strategies and prospects -- both business and financial. Although we believe that our plans, intentions and expectations reflected in or suggested by these forward-looking statements are reasonable, we cannot assure you that we will achieve or realize these plans, intentions or expectations. Forward-looking statements are inherently subject to risks, uncertainties and assumptions. Many of the forward-looking statements contained in this news release may be identified by the use of forward-looking words such as "believe," "expect," "anticipate," "should," "planned," "will," "may," "intend," "estimated," and "potential," among others. Important factors that could cause actual results to differ materially from the forward-looking statements we make in this news release include market conditions and those set forth in reports or documents that we file from time to time with the United States Securities and Exchange Commission. We do not undertake or accept any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements to reflect any change in our expectations or any change in events, conditions or circumstances on which any such statement is based, except as required by law. All forward-looking statements attributable to Duos Technologies Group, Inc. or a person acting on its behalf are expressly qualified in their entirety by this cautionary language.

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