Quanergy Launches LiDAR-Based, Hyper-Accurate Mantrap Tailgating Solution

*New LiDAR-Based Solution Provides the Granularity Necessary to Defeat the
Ongoing Threat of Tailgating*

SUNNYVALE, Calif. – Jan. 11, 2023 – Quanergy Systems, Inc., (OTC: QNGY) a leading provider of LiDAR sensors and smart 3D solutions, announced today the release of a new LiDAR-based mantrap physical security solution to the market that is hyper-accurate and more difficult to defeat. The 3D solution offers the granularity necessary to defeat the tailgating problem that mantraps face.

A mantrap or vestibule typically consists of a small room with two doors – one connected to the unsecured area and the other connected to the secured area. Gaining access from either side requires using a credential or identification validation, which is usually swiped against an access control reader. There are typically cameras set up to detect people passing through. Using mantraps is an important way for organizations to secure critical infrastructure, such as datacenters, airports and government buildings.

However, tailgating is an ongoing problem. This is the term for when an unauthorized person gains access to a sensitive area by following someone who is authorized into a secured area—and it's the main way criminals bypass most mantrap systems. All physical access systems, regardless of the underlying technology, are vulnerable to this problem.

Using LiDAR, organizations can create more efficient mantraps that combat tactics for bypassing traditional camera-based systems. Quanergy's mantrap solution, which consists of MQ-8 series LiDAR sensors and Qortex^{tm} DTC perception software, can detect tailgating through secure portals with far higher accuracy than proprietary optical imaging systems. The solution sees everything in 3D, unlike camera-based systems that only see in 2D. It offers the coverage, granularity and accuracy needed to provide a hyper-accurate people count – the most critical component of the entire system. It's available both as a standalone offering and as a supplement to existing security solutions that organizations have invested in.

Sonny Sekhon, senior product manager, Quanergy Systems, Inc., said: "Facilities like airports must have foolproof physical security systems, but most mantraps have historically lacked the visibility necessary to provide that level of safety. Using our solution, customers can implement mantraps that are hyper-accurate and hard to defeat using tailgating tactics. And it's turnkey – especially if they are already using Qortex and LiDAR for other applications such as perimeter intrusion detection."

For more information, visit www.quanergy.com.

About Quanergy Systems, Inc.

Quanergy's (OTC: QNGY) mission is to create powerful, affordable smart LiDAR solutions for IoT and automotive applications to enhance people's experiences and safety. Through Quanergy's smart LiDAR solutions, businesses can now leverage real-time, advanced 3D insights to transform their operations in a variety of industries including industrial automation, physical security, smart cities, smart spaces and much more. Quanergy solutions are deployed by nearly 400 customers across the globe. For more information, please visit us at www.quanergy.com.

Forward-Looking Statements
This press release includes certain statements that are not historical facts but are forward-looking statements for purposes of the safe harbor provisions under the United States Private Securities Litigation Reform Act of 1995. Forward-looking statements generally are accompanied by words such as "believe," "may," "will," "estimate," "continue," "anticipate," "intend," "expect," "should," "would," "plan," "predict," "potential," "seem," "seek," "future," "outlook," "project," "will likely result" and similar expressions that predict or indicate future events or trends or that are not statements of historical matters. All statements, other than statements of present or historical fact included in this press release, are forward-looking statements, including statements regarding the use of Quanergy's LiDAR -based mantrap physical security solution to defeat the tailgating problem that mantraps face and the ability of Quanergy's customers to implement mantraps that are hyper-accurate and hard to defeat. These forward-looking statements involve significant risks and uncertainties that could cause actual results to differ materially from expected results. Most of these factors are outside Quanergy's control and are difficult to predict. Factors that may cause such differences include, but are not limited to: risks and uncertainties relating to Quanergy's voluntary petition (Case No. 22-11305) for relief under Chapter 11 of the Bankruptcy Code (the "Case"), including but not limited to, Quanergy's ability to negotiate, develop, confirm and consummate a plan of reorganization, Quanergy's ability to obtain Bankruptcy Court approval with respect to motions in the Case, the effects of the Case, including increased legal and other professional costs necessary to execute Quanergy's reorganization, on Quanergy's liquidity (including the availability of operating capital during the pendency of the Case), the effects of the Case on Quanergy and on the interests of various constituents, Bankruptcy Court rulings in the Case and the outcome of the Case in general, the duration of the Case and risks associated with third-party motions in the Case; trading price and volatility of Quanergy's common stock and warrants; the risk that the Case may be converted to a case under Chapter 7 of the Bankruptcy Code; changes in domestic and foreign business, market, financial, political and legal conditions; the overall level of consumer demand for Quanergy's products; general economic conditions and other factors affecting consumer confidence, preferences, and behavior; disruption and volatility in the global currency, capital, and credit markets;

the financial strength of Quanergy's customers; Quanergy's ability to implement its business strategy; changes in governmental regulation, Quanergy's exposure to litigation claims and other loss contingencies; disruptions and other impacts to Quanergy's business, as a result of the COVID-19 global pandemic and government actions and restrictive measures implemented in response; stability of Quanergy's suppliers and the impact of supply chain constraints, as well as consumer demand for its products; the impact that global climate change trends may have on Quanergy and its suppliers and customers; Quanergy's ability to protect patents, trademarks and other intellectual property rights; any breaches of, or interruptions in, Quanergy's information systems; fluctuations in the price, availability and quality of electricity and other raw materials and contracted products as well as foreign currency fluctuations; Quanergy's ability to utilize potential net operating loss carryforwards; changes in tax laws and liabilities, tariffs, legal, regulatory, political and economic risks; and other risks and uncertainties indicated in Quanergy's filings with the U.S. Securities and Exchange Commission ("SEC"), including under the "Risk Factors" heading of Quanergy's quarterly report on Form 10-Q for the quarter ended September 30, 2022, filed with the SEC on November 14, 2022. In addition, forward-looking statements reflect Quanergy's expectations, plans or forecasts of future events and views only as of the date of this press release. Quanergy anticipates that subsequent events and developments will cause its assessments to change. However, while Quanergy may elect to update these forward-looking statements at some point in the future, Quanergy specifically disclaims any obligation to do so, except as required by law.

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