



News Release

Metasphere Labs Focuses its Carbon Aware Routing Protocol

Vancouver, British Columbia – May 31, 2024/ Globe Newswire / – Metasphere Labs Inc. (formerly Looking Glass Labs Ltd., "**Metasphere Labs**" or the "**Company**") (Cboe Canada: [LABZ](#)) (OTC: [LABZF](#)) (FRA: [H1N](#)) is pleased to provide further details on its innovative carbon aware routing protocol initiative. In response to the significant environmental impact of the Internet's growing energy demands, Metasphere Labs has chosen to build the reference design for its carbon aware routing protocol with a focus on NVIDIA-based GPU clusters and their typical data center architectures.

Rationale for Focusing on NVIDIA GPU Clusters

The Internet's energy usage is set to more than double this decade, driven largely by the increasing reliance on machine learning and AI technologies. These technologies are dependent on Graphical Processing Units ("**GPUs**"), with NVIDIA leading the charge in performing deep, energy-intensive computations. As AR/VR and the open metaverse gain traction, the demand for efficient GPU clusters will continue to grow exponentially.

Moreover, the resurgence of GPU mining within the cryptocurrency sector, fueled by the convergence of AI and Web3 technologies, further intensifies the computational load. Complex processes such as zero-knowledge proofs, which cannot be efficiently managed by ASICs, are becoming more prevalent. These developments underscore the necessity for optimized energy use in GPU clusters.

Transitioning to Internet 3.0

We are transitioning from Internet 2.0, characterized by simple computations and extensive input/output operations, to Internet 3.0, which demands significantly more computational power. This new era involves:

- Running sophisticated AI models that require substantial energy.
- Supporting the metaverse with AR and VR technologies.
- Facilitating blockchain applications, such as mining and solving zero-knowledge proofs.

Given these trends, Metasphere Labs is committed to addressing the environmental impact of this shift by designing a carbon aware routing protocol that prioritizes routes minimizing carbon emissions, particularly within NVIDIA GPU cluster setups.

MVP Release Timeline

Metasphere Labs is on track to have the Minimum Viable Product (“MVP”) of the reference design for the carbon aware routing protocol ready by Mobile World Congress Americas 2023. This milestone will demonstrate the feasibility and impact of the protocol, setting the stage for broader industry adoption and further development.

The Path Forward

By focusing on the use case of NVIDIA GPU clusters and their typical data center architectures, Metasphere Labs aims to create a practical and impactful solution to reduce the Internet’s carbon footprint. This reference design will serve as a foundational blueprint, encouraging industry-wide adoption and further innovation.

Join the Initiative

As this initiative progresses, Metasphere Labs welcomes collaboration from partners and industry leaders to enhance and diversify the reference design, incorporating various architectures and elements to optimize its effectiveness. To learn more about our carbon aware routing protocol or to participate in its development, please contact Natasha Ingram at info@metasphere.earth.

Metasphere Labs is excited to lead this initiative towards a more sustainable future for the Internet. Together, we can significantly reduce the environmental impact of the Internet, fostering a greener digital landscape.

About Metasphere Labs:

Based in Vancouver, British Columbia, Metasphere Labs develops solutions for the metaverse, DAOs, gamification, and Web3, addressing social challenges related to climate change and aiming for a positive planetary impact.

For more information, contact Natasha Ingram, CEO, at info@metasphere.earth.

Forward-Looking Information

This news release contains "forward-looking statements." Statements in this news release that are not purely historical are forward-looking statements and include any statements regarding beliefs, plans, expectations, or intentions regarding the future. Such forward-looking statements include,

among other things, the development of the carbon credit protocol initiative, other open metaverse projects and the development of virtual world projects.

The material assumptions supporting these forward-looking statements include, among others, that: the Company could mitigate the risks associated with the blockchain and NFT industry; the ability to compete with other businesses in the NFT, metaverse and blockchain markets; the availability of sufficient funding to carry out the Company's business development plans; favourable market conditions; and the market acceptance for its products.

Although management considers these assumptions to be reasonable based on information currently available to it, they may prove to be incorrect. These forward-looking statements are only predictions and involve known and unknown risks, uncertainties and other factors, including: the continued growth and adoption of NFT, metaverse and blockchain offerings; the cost of developing and designing NFTs and metaverses is economically viable; the Company being able to attract and retain a sufficient workforce with desired skillsets to develop the Company's digital offerings; the availability of offerings provided by third-parties in the NFT, metaverse development and online gaming market to identify potential transactions; the increasing adoption of NFTs as a solution for various online gaming, entertainment and collectible uses; the Company having the ability to mitigate the risks associated with the blockchain and NFT industry; and the ability to compete with other businesses in the NFT, metaverse development, content creation and collectibles market.

Although management considers these assumptions to be reasonable based on information currently available to it, they may prove to be incorrect. These forward-looking statements are only predictions and involve known and unknown risks, uncertainties and other factors, including: the risk that the Company's offerings are not accepted by the consumer, the risk that other competitors may offer similar digital offerings; the risk that there may be negative changes in general economic and business conditions; the risk that the Company may have negative operating cash flow and not enough capital to complete the development of any of its technologies; the risk that the Company may not be able to obtain additional financing as necessary; the risk that there may be increases in capital and operating costs; the risk that the NFT technology may be subject to fraud and other failures; the risk that there may be technological changes and developments in the blockchain that make the NFT solutions obsolete; risks relating to regulatory changes or actions which may impede the development or operation of the blockchain solutions; the risk that other competitors may release similar blockchain offerings; the potential future unviability of the NFT market in general; the volatile cost of the amount of computational effort required to execute specific operations on the blockchain, and other general risks involved in the blockchain solutions.

Risks and uncertainties about the Company's business are more fully discussed in the Company's disclosure materials, including its reports filed with the Canadian securities regulators and which can be obtained from www.sedarplus.ca.

Any of these risks may cause the Company's actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed or implied by these forward-looking statements. Further, although the Company has attempted to identify factors that could cause actual results, levels of activity, performance or achievements to differ materially from those described in forward-looking statements, there may be other factors that cause results, levels of activity, performance or achievements not to be as anticipated, estimated or intended. These forward- looking statements are made as of the date of this news release, and the Company assumes no obligation to update the forward-looking statements, or to update the reasons why actual results could differ from those projected in the forward-looking statements, except as required by applicable law, including the securities laws of the United States and Canada. Although the Company believes that any beliefs, plans, expectations and intentions contained in this news release are reasonable, there can be no assurance that any such beliefs, plans, expectations or intentions will prove to be accurate. The Company does not assume any liability for disclosure relating to any other company mentioned herein.