

# Equinix and Alice & Bob Partner to Help Businesses In United States Enter the Quantum Computing Era

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[/EINPresswire.com/](#) -- [Equinix, Inc.](#) (Nasdaq: EQIX) the world's digital infrastructure company, has today announced its collaboration with [Alice & Bob](#), a leading quantum computing company developing one of the most reliable quantum processors on the market. Through the collaboration with Alice & Bob, Equinix customers in United States and across the world will benefit from secure access to Alice & Bob's cutting-edge quantum technology through Equinix Metal and Equinix Fabric, and from Alice & Bob's quantum strategy services for businesses to unlock opportunities worth billions of dollars\*.



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*Régis Castagné, Managing Director of Equinix France*

Quantum computing is a transformative technology that allows users to complete computationally intensive tasks such as simulation, optimization, machine learning and cryptography. Although still in its early stages, it has the potential to revolutionize several industry processes, change our understanding of the universe, and even help slow down climate change. Quantum computers have the power and potential to solve problems that would take our

best classical computers thousands of years.

Alice & Bob's technology, the result of cutting-edge research carried out in French and international laboratories, is uniquely positioned to help businesses accelerate innovation and future proof their offering. While current quantum computers may suffer from computation errors which prevent them from fulfilling their theoretical promises, Alice & Bob is developing a patented technology of self-correcting superconducting quantum bit: the cat qubit. Cat qubits allow for a much simpler road to fault-tolerant and universal gate-based quantum computing, with the potential to transform the promise of quantum computing into a decisive commercial advantage.

Théau Peronnin, CEO of Alice & Bob, comments: "We are proud that our technology is moving out of the laboratory and into the real world. Equinix is the ideal partner to bring the quantum

revolution into society. We are looking forward to helping Equinix customers solve some of the world's most challenging problems."

Combining Equinix's rigorous secure operations with Alice & Bob's quantum expertise creates the ideal environment to design breakthrough innovations. This synergy will allow companies to discover the power of quantum computing with the peace of mind that their research will remain completely confidential.

Régis Castagné, Managing Director of Equinix France, said: "Alice & Bob is a gateway to quantum computing for many businesses, and Equinix is the key. We know our customers are constantly looking for ways to be at the cutting

edge, and we want to be right there with them, providing innovative solutions to the world's issues and helping them access a potentially hundred-billion-dollar market. Alice & Bob's technology is a fantastic addition to our global interconnection ecosystem and we can't wait to see some of the pioneering work it creates."

Industries that rely on high intensity compute power such as sustainable energy, chemicals, pharmaceuticals and financial services are among those set to be radically changed by the technology by 2035, standing to potentially gain up to \$1.3 trillion in value by this date.\*

A vast array of industries and ecosystems who are looking to explore potential use cases in quantum computing can now securely access on-demand Alice & Bob's quantum computers, housed in Alice & Bob's own on-premises data centre, through Equinix Metal and Equinix Fabric.

Jean-Noël Barrot, French Minister Delegate for Digital, said: "This partnership is a recognition of French expertise in a technology poised to revolutionize the field of computing and industry. The government has launched the national strategy for quantum technologies to position France at the forefront of this field on a global scale, and we are pleased to see an innovative young French company partnering with a global leader in digital infrastructure. There is no doubt that Alice & Bob will benefit from Equinix's network to develop its business and contribute to France's attractiveness."

Equinix Metal is on-demand, high performance bare metal, which has the potential to be directly



integrated with Equinix Fabric to deploy powerful infrastructure across global locations in minutes and allows companies to connect to hundreds of networks, communication, security, and cloud providers - all from a single location. This opens a world of potential for companies wanting to explore trialling and experimenting with Alice & Bob's quantum computer within their own digital infrastructure, but with the security and ease Equinix is known for.

#### About Equinix

Equinix (Nasdaq: EQIX) is the world's digital infrastructure company™. Digital leaders harness Equinix's trusted platform to bring together and interconnect foundational infrastructure at software speed. Equinix enables organizations to access all the right places, partners and possibilities to scale with agility, speed the launch of digital services, deliver world-class experiences and multiply their value, while supporting their sustainability goals.

#### About Alice & Bob

Alice & Bob is a French start-up whose goal is to realize the first universal, fault-tolerant quantum computer. Founded in 2020, Alice & Bob has already raised 30M€ in VC capital, hired over 80 employees, and demonstrated experimental results surpassing those of technological giants like Google or Amazon. A laureate of the French Tech DeepNum 20 and French Tech 2030 programs, Alice & Bob specializes in Cat Qubits, a technology reducing hardware requirements by up to 60 times compared to competing approaches. Demonstrating the power of its Cat Qubit architecture, Alice & Bob recently demonstrated that the number of qubits required for Shor's algorithm can be reduced from 22 million to 300 thousand through a combination of algorithm optimization and adaptation by leveraging its approach.

#### Notes to Editors

\*<https://www.mckinsey.com/~media/mckinsey/business%20functions/mckinsey%20digital/our%20insights/quantum%20technology%20sees%20record%20investments%20progress%20on%20talent%20gap/quantum-technology-monitor-april-2023.pdf> (Page 5)

\*\* As above (Page 4)

#### Forward-Looking Statements

This press release contains forward-looking statements that involve risks and uncertainties. Actual results may differ materially from expectations discussed in such forward-looking statements. Factors that might cause such differences include, but are not limited to, risks to our business and operating results related to the COVID-19 pandemic; the current inflationary environment; foreign currency exchange rate fluctuations; increased costs to procure power and the general volatility in the global energy market; the challenges of acquiring, operating and constructing IBX® and xScale® data centers and developing, deploying and delivering Equinix products and solutions; unanticipated costs or difficulties relating to the integration of companies we have acquired or will acquire into Equinix; a failure to receive significant revenues from customers in recently built out or acquired data centers; failure to complete any financing arrangements contemplated from time to time; competition from existing and new competitors;

the ability to generate sufficient cash flow or otherwise obtain funds to repay new or outstanding indebtedness; the loss or decline in business from our key customers; risks related to our taxation as a REIT and other risks described from time to time in Equinix filings with the Securities and Exchange Commission. In particular, see recent and upcoming Equinix quarterly and annual reports filed with the Securities and Exchange Commission, copies of which are available upon request from Equinix. Equinix does not assume any obligation to update the forward-looking information contained in this press release.

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