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iBRIDGE and Swiss Vault Revolutionize Data Management with Groundbreaking Sustainable Storage Solution

[Sacramento, CA, 22.August.2024]—In a bold move set to reshape the future of data storage, iBridge Cloud Technologies (iBRIDGE), a leading managed service provider for private cloud solutions, and Swiss Vault (SV), an innovative deep-tech company, have announced the successful deployment of a cutting-edge "Software Defined Data Storage" solution, called Vault File System (VaultFS), permitting more data storage in less space. This collaboration marks a significant leap forward in sustainable data management, promising to drastically reduce the environmental impact of data storage in data centers worldwide.

The VaultFS solution, developed by Swiss Vault, was rigorously tested at iBRIDGE's state-of-the-art data center, where it demonstrated the potential to reduce storage overhead by a staggering 60%. This breakthrough was achieved by utilizing advanced data management algorithms that optimize and reduce the volume of data storage while enhancing resiliency against data loss. As a result, the energy consumption, required for managing vast amounts of data, was slashed by more than 50%, directly contributing to a lower carbon footprint and reduced electronic waste.

"For 5 Petabytes of active archive data, including resiliency parity fragments, we were able to operate with just 6 Petabytes of total storage—only 20% overhead—compared to the 15 Petabytes required by traditional methods like ZFS," said Paul Smitham, CEO of iBRIDGE. "This is not just an improvement; it's a revolution in how we think about data storage. By reducing the number of disks and servers needed, we're not only saving energy but also extending the life of existing hardware, cutting down on electronic waste."

iBRIDGE's deployment of this innovative solution underscores their commitment to sustainability and operational efficiency. "Our collaboration with Swiss Vault is a testament to what's possible when two forward-thinking companies come together with a shared vision," said Gary Lamb, CTO of iBRIDGE. "We're proud to lead the way in transforming the data industry, proving that it's possible to deliver high-performance data management while drastically reducing environmental impact."

Swiss Vault is a Deep-tech company that saw the tidal wave of data and started to develop solutions that made it easy to store data, while reducing energy, construction, and materials. Bhupinder Bhullar, the CEO of Swiss Vault, stated emphatically, "We are thrilled to be in partnership with iBRIDGE, a team that exemplifies true innovation and forward-thinking in the data storage industry. Their commitment to disrupting the status quo and pushing the boundaries of what's possible aligns perfectly with our vision at Swiss Vault. Together, we are setting new standards for sustainable and efficient data management, and it's an exciting journey to be on with such a pioneering partner."

This partnership is a blueprint for the entire industry. The implications of this collaboration are global. As data centers around the world face increasing pressure to minimize their environmental impact, the pioneering work of iBRIDGE and Swiss Vault sets a new standard for what can be

achieved through innovation and collaboration. Together, they are not just managing data—they are helping to sustain the future of our planet.

About iBRIDGE

iBRIDGE is a leading managed service provider specializing in private cloud solutions for businesses. With a focus on lower cost, high performance and sustainability, iBRIDGE is dedicated to providing innovative technology solutions that meet the evolving needs of its clients while reducing environmental impact to meet the growing data storage demand.

About Swiss Vault

Swiss Vault is a deep-tech company at the forefront of innovation in data storage solutions. Specializing in software-defined data management and innovative low-cost servers, Swiss Vault is committed to creating sustainable, efficient, and resilient storage technologies that help companies reduce their carbon footprint and electronic waste.

Media Contact:

Joe Suppers, Swiss Vault

info@swissvault.io

tel: +1 609 477 4941