



20 November 2024

DorsaVi Commences Blockchain Integration Planning for Core Data Platform to Enhance Data Security and Compliance

Key Highlights:

- DorsaVi has commenced scoping the integration of blockchain technologies to determine how an encrypted, immutable, and tamper-proof solution could enhance data safety and reliability for its health data architecture.
- The program is being driven by the data security needs of dorsaVi's largest enterprise clients who require highly secure data transfers in healthcare and workplace contexts.
- The initiative aims to improve alignment with stringent health data regulations such as HIPAA¹, reinforcing dorsaVi's leadership in data integrity, privacy, and security.
- Blockchain's potential to complement AI-driven tools like ViMove+ positions dorsaVi's platform to remain at the forefront of motion analysis technology while preparing to leverage future advancements.

dorsaVi (ASX: DVL) ("**dorsaVi**" or the "**Company**"), a leader in FDA-cleared wearable sensor technology and motion analysis solutions, has commenced a strategic feasibility study to incorporate blockchain technology into its core data platform. This carefully designed initiative reflects the company's commitment to addressing the growing data security and privacy requirements of its largest enterprise clients already working with the sensitive health and biomechanical data generated by dorsaVi's best-in-class wearable devices and software.

The evaluation will focus on how blockchain technology could be integrated into its existing data architecture to enhance data integrity, storage security, and privacy controls for the Company's current enterprise-grade healthcare and workplace applications. The initiative directly complements dorsaVi's existing capabilities, including its AI-driven video-based tracking tool ViMove+², and is a response to the growing demands of the Company's enterprise clients. The scoping phase is expected to deliver an integration roadmap.

The Role of Blockchain in Healthcare Data Security

Blockchain technologies offer unique advantages for managing sensitive health and biomechanical data. Its decentralised, immutable architecture could provide a tamper-proof framework for data storage and sharing, reducing vulnerabilities associated with centralised systems. dorsaVi's technical review has a specific focus on leveraging advanced consensus mechanisms like Proof-of-Stake (PoS) and Directed Acyclic Graphs (DAGs), which offer energy-efficient scalability and security, tailored to the needs of mobile health data applications.

¹ HIPAA = Health Insurance Portability and Accountability Act. A US federal law designed to protect sensitive patient health information from being disclosed without the patient's consent or knowledge.

² See ASX release 21 May 2024

Potential benefits of blockchain integration include:

- **Alignment with Evolving Regulatory Requirements:** Blockchain systems can support compliance with the strictest data privacy regulations, such as HIPAA in the United States.
- **A Secure and Immutable Data Record:** Blockchains can ensure sensitive data, such as wearable sensor data, is encrypted, tamper-proof, and securely stored.
- **Reliable Data Exchange:** Blockchains can facilitate accurate and secure sharing among patients, providers, and enterprise clients.
- **Towards a Future-Ready Platform:** By moving to a blockchain architecture, dorsaVi can ensure its system is ready to integrate additional advanced AI and wearable IoT technologies as they become more prevalent.

Addressing Enterprise Client Needs

Discussions with dorsaVi's major US enterprise clients underscore the increasing demand for robust data security. By evaluating blockchain's potential, dorsaVi aims to align its data platform with these priorities, ensuring it can continue to deliver value to enterprise customers while unlocking new commercial opportunities.



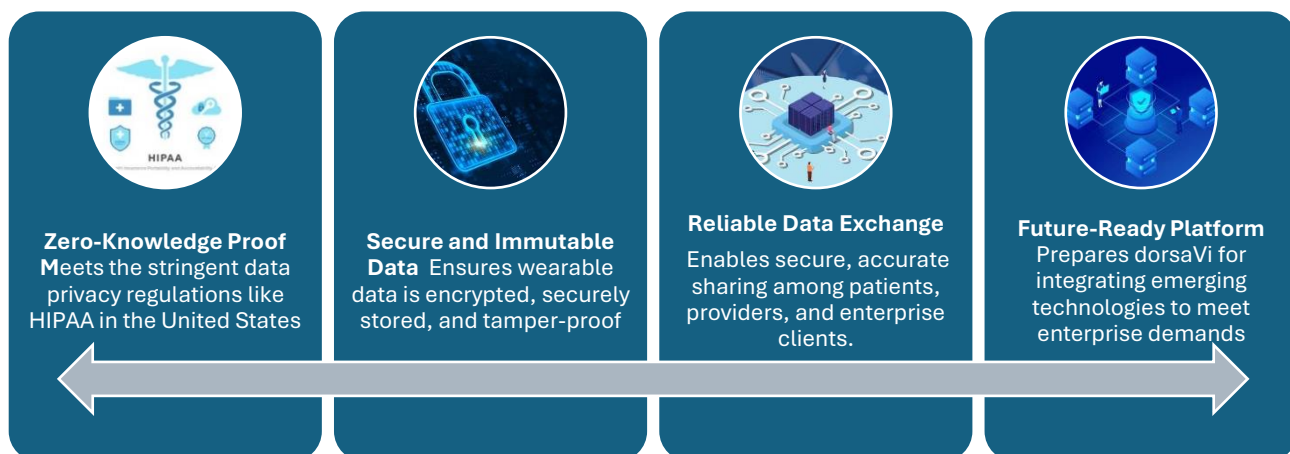
Figure 1: Blockchain's main contributions to healthcare

Building on Excellence in Motion Analysis Technology

dorsaVi's core technology already sets a high standard for quality and reliability with one of the only FDA-approved wearable sensors in the market. The platform currently supports millions of data transfers annually, capturing over ~10,000 data points per session, including joint angles, muscle activity (EMG), gait parameters, and postural alignment. These sensors continuously track movement patterns, with real-time data syncing for immediate analysis and long-term monitoring. The integration of blockchain technology is expected to further strengthen this foundation by helping ensure the data platform remains compliant with the very highest regulatory standards while enhancing accuracy, security, and scalability.

By synchronising information on a shared database, blockchains can enable timely secure data sharing. Additionally, blockchain integration could allow dorsaVi's platform to incorporate future advancements in AI and wearable IoT technologies, enhancing its versatility across clinical care, workplace safety, and elite sports.

Key Benefits of Blockchain Integration



Enhancing Current Offerings with Blockchain

While still under evaluation, blockchain presents significant potential to improve dorsaVi's existing solutions:

- **ViMove+**: Could enhance data security and privacy, allowing patients to control access to their data while supporting real-time monitoring and early health issue detection.
- **ViSafe+**: Could enable immutable record-keeping and smart contracts for transparent data sharing with regulators and insurers, fostering a proactive safety culture.
- **Research+**: Could facilitate secure global collaboration by enabling discretionary data sharing while protecting proprietary information through smart contracts.

Dr. Andrew Ronchi, Chief Executive Officer of dorsaVi, expressed his enthusiasm: *"Exploring blockchain technology is a natural progression for dorsaVi. Our enterprise clients already demand the highest levels of data security, privacy, and compliance, and we believe blockchain could help us further meet and exceed those expectations and help redefine how sensitive health data is managed, shared, and secured. This initiative demonstrates our commitment to ensuring our platform is prepared for future advancements in motion analysis and data management and that we continue to deliver unmatched value to our clients and shareholders"*

This release has been authorised for lodgement by the Company's Board of Directors.

- ENDS -

For further information about dorsaVi, please contact:

Andrew Ronchi
Chief Executive Officer
+61 417 882 267
Email: ar@dorsaVi.com

About dorsaVi

dorsaVi Ltd (ASX: DVL) is an ASX company focused on developing innovative motion analysis device technologies for use in clinical applications, elite sports, and occupational health and safety. dorsaVi believes its wearable sensor technology enables, for the first time, many aspects of detailed human movement and position to be accurately captured, quantified, and assessed outside a biomechanics lab, in both real-time and real situations for up to 24 hours. dorsaVi's focus is on two major markets:

- For personal use only
- **Workplace:** dorsaVi enables employers to assess risk of injury for employees as well as test the effectiveness of proposed changes to OHS workplace design, equipment or methods based on objective evidence. dorsaVi works either directly with major corporations, or through an insurance company's customer base with the aim of reducing workplace compensation and claims. dorsaVi has been used by major corporations including London Underground, Vinci Construction, Crown Resorts, Caterpillar (US), Boeing, Monash Health, Coles, Woolworths, Toll, Toyota, Orora, Mineral Resources and BHP Billiton.
 - **Clinical:** dorsaVi is transforming the management of patients with its clinical solutions (ViMove+) which provide objective assessment, monitoring outside the clinic and immediate biofeedback. The clinical market is broken down into physical therapy (physiotherapists), hospital in the home and elite sports. Hospital in the home refers to the remote management of patients by clinicians outside of physical therapy (i.e. for orthopaedic conditions). Elite sports refer to the management and optimisation of athletes through objective evidence for decisions on return to play, measurement of biomechanics and immediate biofeedback to enable peak performance.

Further information is available at www.dorsaVi.com