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dorsaVi Progresses Blockchain Integration Planning with Proof-of-Concept Study for Secure Data Sharing

Key Highlights:

- Rapid progression of blockchain scoping study via Proof of Concept (PoC) testing.
- PoC will tokenise clinical data collected by dorsaVi's wearable sensors and Video AI techniques, for secure, privacy-preserving sharing with healthcare providers, insurers, and workplaces.
- Oasis Network, a leading privacy-focused blockchain, will be utilised to demonstrate secure, compliant, and efficient data-sharing capabilities.
- PoC marks the first step toward a comprehensive blockchain strategy aimed at driving innovation in clinical data management, privacy, and accessibility.

Following the announcement of its blockchain scoping study ¹, **dorsaVi Ltd** (ASX: DVL) ("dorsaVi or the "Company") is pleased to announce it has commenced a Proof of Concept (PoC) to tokenise and securely share clinical device data generated by its wearable sensor devices and Video AI techniques. This milestone builds on dorsaVi's commitment to delivering innovative and compliant solutions to meet the evolving demands of enterprise clients, regulatory environments and patient privacy concerns.

By leveraging the Oasis Network's blockchain technology in this PoC, dorsaVi will not only demonstrate how clinical data can be securely tokenized and shared, but also set the stage for integrating advanced analytics, artificial intelligence (AI), and Internet of Things (IoT) capabilities into the platform. These innovations will enable real-time decision-making in healthcare, workplace wellness, and insurance, while ensuring that data privacy and integrity remain paramount. As the PoC progresses, the platform will evolve, paving the way for wider adoption and global scalability, revolutionising how health data is handled, shared, and used for better patient outcomes and operational efficiency.

Goals of The Proof-of-Concept Study

The PoC will test and demonstrate how blockchain can work with dorsaVi's existing data architecture. Specifically, the following components will be evaluated:

1. **Tokenize Clinical Device Data:** Transform health data from dorsaVi devices into secure, digital tokens that allow precise control over access and usage. This Tokenization enables immutable records of data exchanges, ensuring transparency and accuracy at every step of the process.
2. **Enable Trusted Data Sharing:** Distribute these tokens to authorized parties (e.g., healthcare providers, workplaces, insurers) for secure, transparent access. This will allow the seamless exchange of information while maintaining strict privacy controls and ensuring compliance with global health data regulations (e.g., HIPAA, GDPR)

¹ See ASX release 21 November 2024

3. **Maintain Data Privacy and Integrity:** Ensure that data remains encrypted and tamper-proof, meeting stringent regulatory requirements.
4. **Set the Stage for Future Innovation:** Create a scalable, privacy-preserving foundation for integrating advanced analytics, AI, and IoT capabilities into dorsaVi's platform. By establishing a secure, scalable foundation, the company will be able to integrate predictive analytics and real-time data insights, enabling better outcomes in healthcare, workplace safety, and clinical research.

The Oasis Network Blockchain PoC

The PoC will utilise the Oasis Network, a privacy-first technology platform that serves as both a blockchain protocol and a toolkit for building secure, decentralised applications. Oasis is currently the 123rd largest blockchain network by market capitalisation². The Oasis Network's unique architecture combines privacy-preserving technologies with high throughput and scalability, making it ideally suited to handle sensitive healthcare data.

Key Steps in the PoC:

1. **Data Collection and Encryption:** Test clinical device data will be securely encrypted upon collection from dorsaVi devices.
2. **Tokenisation:** Data will be tokenised using the Oasis Parcel SDK, creating secure digital representations of patient information.
3. **Access Control:** Tokens will be distributed to trusted parties, enabling controlled access through blockchain-based permissions.

Delivering Value to Stakeholders

The Proof-of-Concept aims to demonstrate how clinical data from dorsaVi's wearable devices can be securely shared using the Oasis Network. By transforming this data into digital tokens, dorsaVi can give trusted parties - like healthcare providers, workplaces, and insurers - controlled access to important information while keeping it private and protected. This approach ensures sensitive data stays secure and is only used to benefit patients and clients. It's a key step toward building a secure, privacy-first platform that meets the needs of both patients and enterprise clients.

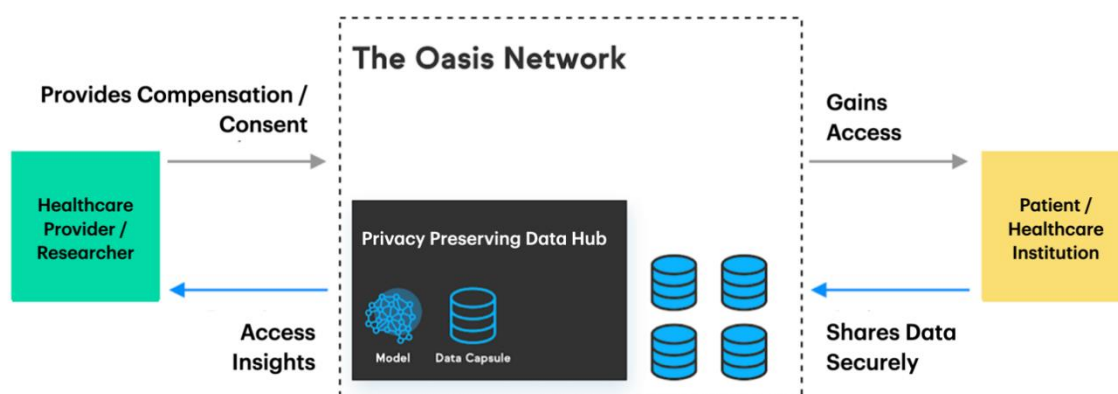


Figure 1: Schema diagram of Oasis Data Tokenisation. Source: <https://docs.oasis.io/general/oasis-network/why-oasis>

² <https://coinmarketcap.com/currencies/oasis-network/>

The PoC is expected to be completed before the end of CY2024 and results are expected to guide further blockchain integration into dorsaVi's platform. Future updates will be provided as the initiative progresses.

dorsaVi Chair, Gernot Abl commented: *"This Proof of Concept marks a pivotal step in evaluating the value of blockchain technology to enhance the security, privacy, and accessibility of our clinical data, especially for our most privacy concerned enterprise clients. "*

"By tokenizing data from our wearable sensors and Video AI techniques, and securely sharing it through the Oasis Network, we have the potential to set a new standard for how sensitive health information can be managed and set a foundation for integrating advanced analytics and real-time insights into our platform, ensuring better outcomes for patients and greater value for our clients."

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

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For further information about dorsaVi, please contact:

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

About dorsaVi.com

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:

- **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.