DART

Digital Assets Risk and Trustworthiness Assessment

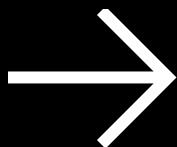→

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PROJECT INFORMATION

Pulse Network

Project Category: Web3 AI-Enhanced Medical Care Protocol

Official Website: https://www.pulsemed.xyz/

Blockchain/Platform: Polkadot Network.

Brief Description: With the vision to create a better experience for patients by collating a global database of medical expertise and knowledge and putting the best healthcare within everyone's reach, Pulse Network is a next-generation medical data repository and sharing platform, building the infrastructure for state-of-theart, artificial intelligence (AI) enabled diagnostic and treatment capabilities. Pulse aims to facilitate the collection of data, including electronic medical records (EMRs), biometric data and sensor data, and dissemination of the best treatment options by leveraging blockchain technology to ensure authentic, secure, continuously available, automated, and immutable foundation for healthcare data.

Prelude: This review presents the risk factors associated with the given project and provides an analysis and respective overall risk rating as per a prescribed methodology.

TEAM COMPOSITION

The Pulse Network team is comprised of the following individuals:

Kazuo Morishige – CEO
Kazuo Morishige is the CEO of Pulse Network and has extensive experience in the healthcare and consulting industries. He has served as the President of Total Health Consulting Inc. in Tokyo, where he leads initiatives to improve health services. Previously, Kazuo held the position of Deputy Manager at Japan Network Tours Co., Ltd., also based in Tokyo, where he was responsible for overseeing business operations. Earlier in his career, he served as a Clerk in the Faculty of Medicine at Yamaguchi University, where he gained valuable insights into the academic side of healthcare.

Minoru Mogi – CFO
Minoru Mogi, the CFO of Pulse Network and is responsible for overseeing the project's finances. He was also noted as having held the role of COO of Total Health Consulting Inc. in Tokyo. His previous roles include Executive Officer of Finance at Japan Xpress Ltd., Director of Finance and Administration at Mondial Assistance Japan (A.S. 24 K.K.), and various high-level financial positions at AXA Life Insurance Co., Ltd., Prudential Financial Advisors Securities Co., Ltd., Credit Suisse First Boston Securities (Japan) Ltd., and UBS Securities Japan Ltd.

Dr. Souichiro Asanami, DDS, PhD – COO
Dr. Souichiro Asanami, the COO of Pulse Network, is a distinguished figure in the field of dentistry with a career spanning several decades. He earned his DDS from Tokyo Dental College in 1966 and later completed his PhD at the same institution in 1979. Dr. Asanami furthered his education with postdoctoral studies at Johannes Gutenberg University Mainz in 1988. His professional affiliations include roles as an Associate Professor at Keio University, a Professor at the International University of Health and Welfare, and the Director of the Nishi–Azabu Oral Surgery Implant Center. He is also an Honorary Member and Auditor for several prestigious societies in the fields of oral and maxillofacial surgery, as well as pediatric dentistry.

Toshifumi Oda – CBO
Toshifumi Oda, the Chief Business Officer (CBO) of Pulse Network, has a rich background in engineering and healthcare. He graduated from Keio University's Engineering Department and began his career at Matsushita Electric Industrial Corporation. He later became the CEO of Japan Systems Corporation, which is now known as Japan Medical Systems. Toshifumi has served in various leadership roles, including Executive Chairman of Japan Medical Systems, CEO of Japan Healthcare Business, and Director of Tobu College of Medical Technology. Additionally, he has been actively involved in public service as a Konosu City Council member and holds directorial positions at Genkimura Group and Meisei Gakuen Urawa Gakuin.

TEAM COMPOSITION

The Pulse Network team is comprised of the following individuals:

The Pulse Network Project Advisors: The Pulse network is composed of the members of Medical Supervision and Medical Intellectual property rights supervision.

Medical Supervision

Dr. Peter Lingström
Is a professor and senior dental officer at the University of Gothenburg, specializing in cariology. He plays a crucial role in advancing dental health in Sweden, particularly in the prevention of dental caries and periodontal diseases. As Vice President of Sweden's Society of Cariology and a clinical specialist for the public dental health department, Dr. Lingström has significantly contributed to the country's dental guidelines. With over 100 academic publications, he is recognized globally as an expert in his field.

Masakuni Tamura
Tamura is a professor at Meiji University's School of Science and Technology. He currently serves as the Supervisory Officer for Mori Hills REIT Investment Corporation and is the CEO of Arc Brain, Co., Ltd. Additionally, he is also a board member for both Sigma Planning Institute, Inc., and Sumitomo Construction Co., Ltd.

Medical Intellectual property rights

Ryosuke Tamura
Tamura is the Chief Patent Attorney at Lighthouse International Patent Firm, specializing in intellectual property management. With a background in chemical research and development, he became a registered patent attorney in 2003 and founded his firm in 2007. He now provides expert support for patent applications, particularly in software and chemistry, and plays a key role in managing the intellectual property of the Pulse Network project.

The Pulse Network Team Structure
The Pulse Network team is led by Kazuo Morishige, CEO, with extensive experience in healthcare and consulting. Minoru Mogi serves as CFO, bringing a strong financial background. Dr. Souichiro Asanami, DDS, PhD, is the COO, with a distinguished career in dentistry. Toshifumi Oda is the CBO, with a rich background in engineering and healthcare. The team is supported by advisors Dr. Peter Lingström, specializing in medical supervision, and Masakuni Tamura, an expert in intellectual property and business strategy.

TEAM

The Pulse Network team structure

Only the team members and advisors listed above were identified with their respective roles.

The Pulse Network supporters

Pulse's blockchain-based electronic medical record (EMR) technology is being implemented through trusted healthcare partners worldwide, with major rollouts planned for Japan, China, and South Korea. The initiative is set to support hundreds of thousands of clinicians across Asia, serving over 100 million patients. Additionally, Pulse is exploring partnerships with mail health check-up providers that reach more than 40 million patients. The above partnership claims were made known by the Pulse network team via the project litepaper. However, the information is not verified by any third party as such it is only verified one-sided.

The Pulse Network concerns

The project has presented a compelling narrative, particularly with its global partnerships and ambitious goals in the healthcare sector. However, while the litepaper mentions collaborations and large-scale implementations across Asia, this information has not been substantiated by independent sources or third-party verification (be it tweets, official circulars or interviews). Moreover, while the team members' biographies and backgrounds are solid, the absence of publicly accessible social media handles, resumes and verified professional histories on the official website introduces a degree of uncertainty, however, some of the advisors were indeed noted on open source with corresponding works, speakership, and experience, which adds further verifiability to the information identified. This combination creates a scenario where a portion of the project's credibility rests on self-reported information.

GITHUB & CODE QUALITY

The Pulse network Github account is not publicly available. Hence, it is difficult to discuss the project's open-source status, the level of activity on Github (including commit frequency and number of contributors), the quality of documentation, and the use of accepted software development practices.

A portion of this is understandable, since the project deals with very sensitive material, however, some technical open-source documentation would be desirable since it would reflect development.

SOCIAL MEDIA & COMMUNITY

Community size and activity

The Pulse Network's community presence across various platforms presents a mixed picture. On X, the project has accumulated a respectable following of about 15,000, but the low engagement levels—few likes, reposts, or comments—suggest that most followers are either inorganic or uninterested. This discrepancy between follower count and interaction is concerning, as it indicates that the community isn't genuinely engaged. On Medium, however, the situation differs. With 380 followers, the platform shows solid engagement through post claps and comments, suggesting that a niche group is actively following updates.

Quality of interactions

Telegram presents another weak spot for the Pulse Network. Despite having approximately 1,800 members, community activity remains minimal. The presence of bot activity, which deletes unauthorized messages, combined with the lack of responses from admins to even simple greetings or questions, raises concerns about the group's overall health. The absence of real interaction and the reliance on bots instead of human moderators is troubling, as it points to an inattentive team or a community that has lost interest in the project.

Red Flags and Risks

The Pulse Network's lack of official presence on LinkedIn, Instagram, Facebook, and Reddit further undermines trust, as it leaves room for impersonators. This, combined with low engagement on key platforms and an inactive community, raises concerns about the project's ability to foster and maintain a vibrant, trustworthy community. The limited social media footprint, coupled with the reliance on bots and minimal admin involvement, paints a worrying picture of the project's long-term sustainability.

BUSINESS MODEL

The Pulse Network's business model is ambitious, aiming to revolutionize healthcare through a comprehensive, interoperable EMR system and AI-enabled diagnostics. The vision is clear: to bridge the knowledge gap in healthcare and offer patients better outcomes by providing clinicians with up-to-date, actionable information. This value proposition is compelling, especially given the fragmented nature of current healthcare systems and the challenges posed by stuff such as; outdated medical knowledge and incomplete records.

However, the model's robustness depends heavily on the adoption of its technology by healthcare providers, insurers, and patients. The staking mechanism for accessing the platform, research data, and patient records aligns well with the industry's move towards blockchain-based solutions, and the use of PULSE tokens adds an incentive for long-term engagement. Yet, the success of this approach hinges on the ability to onboard key stakeholders at scale, which could be challenging given the traditional nature of the healthcare industry. The potential for growth is significant, particularly in regions like Japan, China, and South Korea, where large-scale rollouts are planned. The integration of AI diagnostics could further differentiate Pulse from competitors, driving demand for its platforms. However, profitability will largely depend on user adoption, effective marketing, and the ability to establish Pulse as a trusted name in healthcare. Pulse network financial planning appears to be thought out, with a substantial portion of funds allocated to marketing and ecosystem growth. The tokenomics are designed to encourage long-term sustainability, with a careful balance between incentivizing early investors, the team, and the community.

CONCLUSION AND SCORE

Conclusion

Pulse Network presents a promising initiative in the healthcare sector with a strong vision to enhance patient outcomes through blockchain-based EMR systems and AI diagnostics. The team, led by experienced professionals across healthcare, finance, dentistry, and engineering, provides a solid foundation for the project, bolstered by reputable advisors in medical supervision and intellectual property.

However, the project faces challenges, particularly in verifiability, community engagement, and transparency. The absence of third-party verification for partnerships and the lack of publicly accessible Github or active social media engagement raises concerns about the project's overall security, executions and community support.The business model is a significant strength, offering a compelling value proposition with considerable growth potential, especially in Asia. Yet, achieving widespread adoption in the conservative healthcare industry remains a key hurdle.
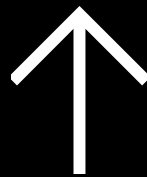
Score

Due to the aforementioned reasons, the Pulse Network has achieved **three out of five stars**. Investors and stakeholders should monitor developments closely, particularly improvements in code quality, community engagement strategies, and network security. Despite these challenges, the project's strong business model and team foundation suggest significant potential for growth and impact in the field of decentralized AI development. As always, stakeholders are advised to conduct further research and stay updated with the project's official communications to make informed decisions.

Disclosure: The information in this report is as of Q3 of 2024, all information is subject to change. Please use at your own discretion.

CONTACT US

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Discord Community

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