Bitfury and Longenesis Partner with Medical Diagnostic Web to Deliver Next-Generation Healthcare Blockchain

Announced Today at HiMMS19, Tech Sets New Industry Standards

ORLANDO, Feb. 11, 2019 – The Bitfury Group and Longenesis today announced a partnership with Medical Diagnostics Web (MDW) to bring some of the best implementations in blockchain technology to MDW's growing radiology marketplace.

The partnership between Bitfury, the world's leading full-service blockchain technology company, Longenesis, a startup that merges AI and blockchain, and MDW radiology marketplace will create a next-generation platform for maintaining, sharing and securing medical imaging and diagnostics data. Deployment of this blockchain infrastructure is expected to set new industry standards for healthcare blockchain implementation.

MDW is the first radiology blockchain platform designed to connect all players in the medical imaging ecosystem to create an open and transparent marketplace for image interpretation. It allows radiologists to contract with imaging facilities and securely share patient data and medical images such as X-rays, CT scans for interpretation.

The groundbreaking combination of new technologies, built on Bitfury's Exonum™ private blockchain framework, will take the security of sensitive medical information to the next level. It will provide users with a more robust and discrete environment, while allowing transactions to be validated by nodes installed at a variety of respected sites, using "anchoring" technology to increase trust in recorded transactions.

Longenesis' state-of-the-art data management practices will ensure that medical data, while recorded transparently via blockchain, is accessible only by authorized parties in full compliance with HIPAA, GDPR and "right to forget."

"Blockchain technology can strengthen patient data security by providing a tamper-proof record of patient history while simultaneously providing an avenue for doctors to more easily share information," said Val Vavilov, CEO of Bitfury. "The digitization of trust that blockchain offers, paired with the medical potential of AI algorithms, has the ability to revitalize medical systems all over the world."

This advanced new infrastructure, with baked-in data anonymization, advanced encryption and user permissioning, complements MDW's existing immutable blockchain audit trails and tamper-proof records of patient data that create safe and transparent way for users to exchange data and increase care quality, while improving efficiency and interoperability along the care continuum.

"We at Longenesis welcome how the medical data management industry is adopting new approaches in data storage and analytics by leveraging both the ultimate trust offered by blockchain and AI-powered data insights, allowing users to extract more value from data sets," said Garri Zmudze, CEO of Longenesis. "A complete life data storage ecosystem should be transparent, smart and equipped with advanced cryptography tools. Thus, this is the blend we are building."

The MDW marketplace is already successfully enabling radiology stakeholders to forge new business relationships. Radiologists enjoy immediate compensation for services, while radiology groups can access as-needed resources to boost reading volume, decrease exam turn-around-time and attract new clients. AI companies benefit through access to the highly specialized annotated imaging datasets and raw imaging data required to train and validate algorithms.

“A partnership with these industry innovators will enable MDW marketplace to provide the most advanced healthcare blockchain technology available today,” said Michael Averbach, MDW CEO and co-founder. “Our new hybrid private/public blockchain will provide the best of both worlds — a transparent and flexible yet protected and secure environment for medical data. We believe that together our advanced technologies will pave the way for a new quality standard in healthcare blockchain. “

The platform also helps solve many of today’s significant medical imaging problems, including service access and delivery, results communication and integration across the continuum of care.

MDW, Longenesis and Bitfury announced the partnership today at the HiMSS 2019 Global Conference & Exhibition (booths 669 and 9000-147 Innovation Live).

About The Bitfury Group

The Bitfury Group is the world’s leading full-service blockchain technology company. Bitfury™ is building solutions for the future, with the most significant technologies of the millennium. Our mission is to make the world more transparent and trusted by innovating at every level of technology – hardware, security, and software – to put trust back into the equation. Founded in 2011, Bitfury is the leading security and infrastructure provider for the Bitcoin Blockchain. In addition to securing the Bitcoin Blockchain, Bitfury also designs and produces innovative hardware that keeps cryptocurrencies and blockchains secure, including custom semiconductor chips and mobile datacenters. Bitfury is also a software provider for the some of the world’s most cutting-edge applications through its Exonum™ private blockchain framework, its Crystal™ Blockchain advanced analytics platform, and its specialized engineering team for the open-source Lightning Network, Lightning Peach. To learn more, visit www.bitfury.com.

About Longenesis

Longenesis is a partnership between Insilico Medicine, a leading artificial intelligence company that uses deep learning for drug discovery, and the Bitfury Group, a leading full-service blockchain technology company. Longenesis has developed a blockchain platform that uses AI-integrated toolsets to store and exchange healthcare-related data such as lab test results and has already launched the platform in alpha and piloted it for over a year. The main goal of the company is to accelerate the development of the health care by providing the solutions (for pharma, clinics, researchers, data analytics companies, and patients) for data management and data analytics utilizing blockchain and AI technologies.
For more information visit: www.longenesis.com.

About MDW

MDW - Medical Diagnostic Web - is the first radiology blockchain marketplace designed to connect all players in the diagnostic digital imaging ecosystem and create an open, transparent and fair marketplace. MDW aims to build new business opportunities for radiologists and streamline access to imaging providers for all healthcare stakeholders. With its open, decentralized communications infrastructure, encrypted data transmission and immutable audit trails, MDW’s blockchain marketplace enables individual radiologists and radiology groups to forge new business relationships and benefit from

immediate compensation for services rendered. Radiology service organizations can easily take advantage of as-needed resources to transact with new clients, boost reading volume and decrease exam turn-around-time. To learn more, visit www.mdw.io

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