

Design and build a supply chain and facility operations management system using Blockchain technology.

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Abstract: In the 4.0 era, the application of Blockchain technology in supply chain management is becoming increasingly important due to the need to improve traceability, information security, and operational performance. This project aims to design and build a supply chain management system using Blockchain technology to enhance transparency and reliability in business operations. The research method combines the principles of Blockchain with practical experiments to ensure implementation effectiveness. The expected result is a comprehensive solution that helps businesses manage their supply chains optimally and contributes to promoting sustainable development in the information technology industry.

Keywords: Blockchain, supply chain, operations management, information technology