



# Benefits of Blockchain for Manufacturing Processes

Blockchain is becoming more popular in the manufacturing field as it can significantly accelerate production times. At virtualdeveloper.com, LLC we understand the importance of swiftness and can deploy our blockchain expertise to help you start streamlining your production today. Our technology is available as an IP-Cosell on the Azure Marketplace and is backed by Microsoft.

Our blockchain technology is well advanced in its implementation of smart contracts, which is the foundation to automating all aspects of manufacturing, even the paperwork.

## Smart Contract Execution



STEP 1

An option contract is written as code into a blockchain.



STEP 2

An event (delivery of goods, an expiration date, etc.) triggers the execution of the coded terms of the contract.



STEP 3

Assets are released to the necessary parties.



STEP 4

Regulators can study the immutable transaction record to understand all activity that has taken place.

## Why Smart Contracts for Manufacturing?

- Our DLT4 smart contracts can integrate with digital records and protocols used by all parties in a transaction.
- Each smart contract is signed with digital signatures to ensure identities.
- Smart contracts are immutable, which guarantees digital records cannot be altered.

Trust	Security	Automation	Resilience
All transactions are validated by the blockchain network.	Decentralized framework means the network is harder to compromise.	Self-executing agreements, where funds/materials are only released once both parties commit set terms.	Even if a node leaves the network, operations continue as normal.
Transaction records cannot be altered or deleted.	Digital signatures ensures the identity of each participant.	Transparency by automatic documenting of the product's development.	Counterfeit detection and tracking of its origin.

## Testimonial: Perfecto PDO Threads



Dr. Carlos Mercado  
Director of Perfecto Medical

“Manufacturing in South Korea but selling in America wouldn’t have been possible without Virtual Developer. They ensure we operate within FDA standards and never have to worry about if the production line is functioning or not.”

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