



Cygnet **Infotech**
IT is about you



A Blockchain Based B2B Platform for Anonymous Trading

Cygnet Infotech

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Decentralized Platform

Allows trustless anonymous trading of branded and serial numbered products by various players across the globe

A Self-Regulated Community

Built in escrow functionality and smart contracts ensures unbiased professional resolution of conflicts between traders

Advanced Verification Process

KYC, KYB, and AML Process for identifying and verifying the identity of traders

Hassle-Free Payment

A complete ecosystem that supports crypto-enabled tokens and escrow-based payment transactions

Client Profile

Our client is a prominent service provider in the tech space, offering cutting-edge solutions using ground-breaking technologies such as blockchain, artificial intelligence and machine learning, robotics and IoT, and AR/VR for several industries that include healthcare, retail and ecommerce, logistics, banking and insurance, and many more across the Middle East.

Business Scenario

Our client identified major challenges in the way conventional B2B trading took place on a daily basis. Some critical concern areas were:

- Lack of trust, consistency, and transparency
- Challenges in validating trustworthiness of the counterparties
- Fabricated reviews
- Loss of actual and potential revenues
- Lengthy and expensive dispute resolution
- Inefficient domestic and cross-border transactions



ACCORDING TO GARTNER, UP TO 15% OF AVAILABLE REVIEWS ARE PAID FOR BY THE COMPANIES THEMSELVES, AND OVER 20% OF REVIEWS AT YELP ARE FABRICATED.

This means missing sales opportunities and overhead cost for B2B vendors. Our client wanted to address the above-mentioned inefficiencies by using blockchain to end dependency on electronic data exchange using conventional technologies.

Cygnet's Solution

Empowering decentralized interaction between buyers and sellers

- Cygnet worked with the client's team to support its evolving decentralized solution strategies.
- Cygnet's expert team analyzed the scope of work and developed online marketplace powered by blockchain that addresses all the aspects of the future world of ecommerce.
- Our blockchain based solution is the only ecosystem that allows verified yet anonymous trading of various products across the globe by various players (distributors, traders and resellers) with bank and insurance to hedge the risks.
- Decentralized escrow system and smart contracts allow trustless transaction among the business community in the virtual space.

Key Features

A decentralized trading platform was designed to incorporate many modules:

Dashboard

Allows seller/buyer to review and approve/bid for the goods

API Integrations

For KYC/AML verification, bank, insurance, credit insurance, a seller/buyer ERP, and logistics company

Banking & Credit Insurance

To tokenize your financial guarantees for credit trading

Conflict Management

For rejecting cases of non-conformity, damaged goods or delay in order shipment

Escrow Payment

To execute safe transactions protected by a decentralized escrow

Reputation Management

To ensure verified reviews based on previous deals and success rating

Tokenization

For trading with stable cryptocurrency

Logistics Management

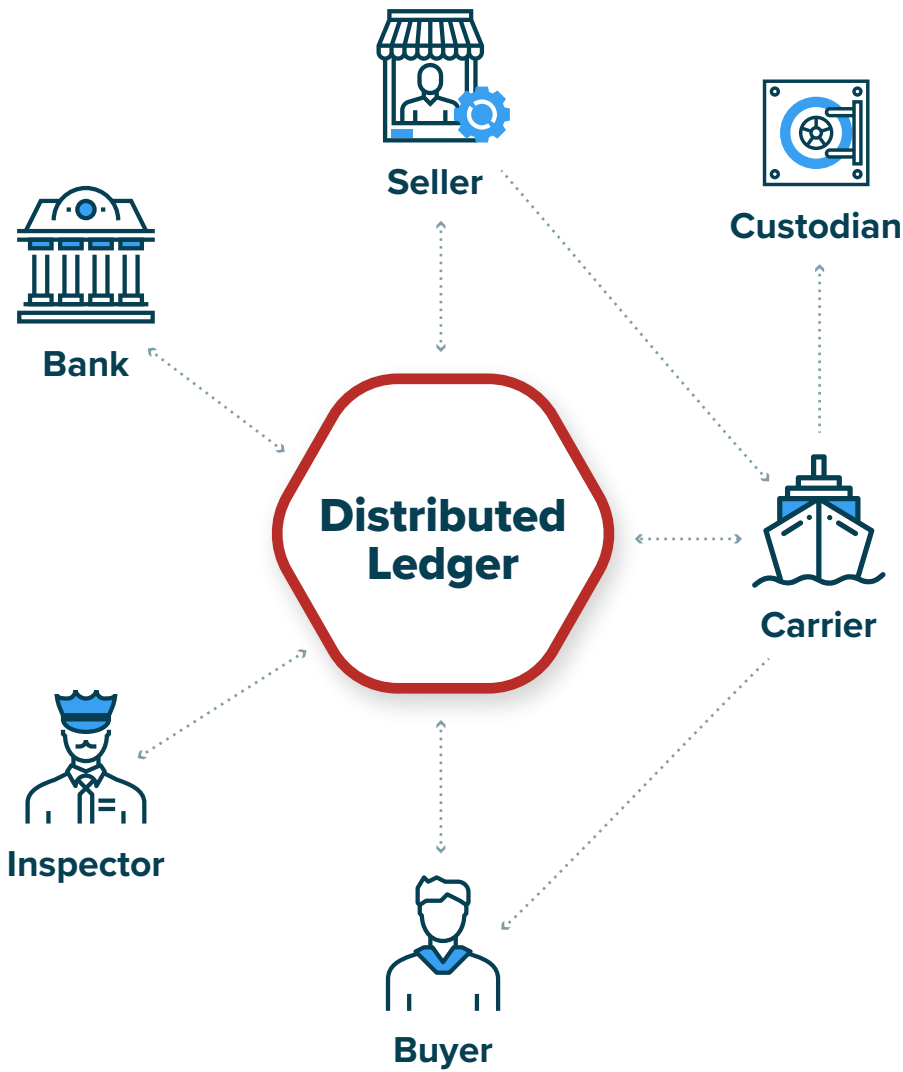
To avail logistics services (inspection, shipping, escrow of goods)

Third-Party Invoicing

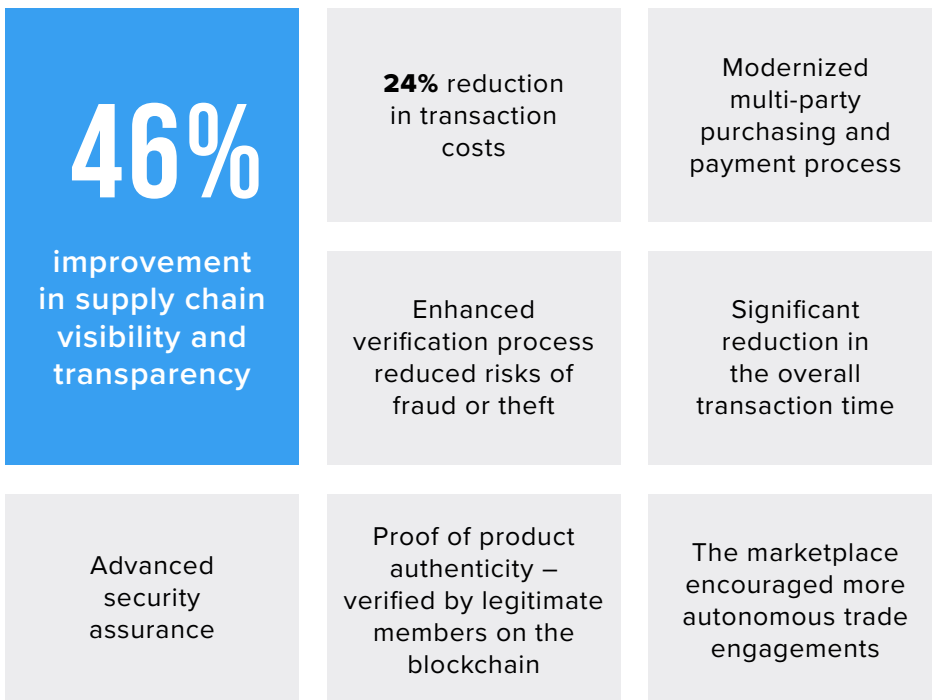
For confidential trading backed by blockchain



Architecture Diagram



Business Benefits



Tools & Technology



TECHNOLOGY

- ASP.NET Core
- Hyper ledger Fabric Blockchain
- IBM Stellar



DEV FRAMEWORK & ENVIRONMENT

- Microsoft Visual Studio 2017
- Visual Studio Code



PROGRAMMING LANGUAGE

- C#
- .Net
- Node.js
- Go
- HTML 4
- JQuery



DATABASE ENVIRONMENT & DESIGN STRUCTURE

- SQL Server 2017
- N-Tier Architecture

About Cygnet

Cygnet Infotech is one of the most trusted names in the IT space delivering technology solutions to global clients across 29 countries. Born out of a vision to create software development company where quality, innovation and personalized services trump low cost, makeshift solution, Cygnet partners with its client to help them transform in to high performance businesses.

Cygnet has deep industry and business process expertise, global resources and a proven track record in delivering innovative technology solutions. Cygnet can mobilize the right people, skills and technologies that improves business performance.

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Founded in 2000,
currently with offices
across 6 continents



900+ Employees
Delivered 2000+
Projects



18 Years of Experience
Serving 250+ clients
in 35 countries



95% Client Retention



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