TEMCO TEAM.

TEMCO team started with the co-founders’ dream of commercialization of the blockchain. Currently there are total of 30 employees with 2 headquarters and 5 departments.
WHAT WE DO.

Taking true value of supply chain data to the next level with E-commerce and Supply Chain Ecosystem

Supply Chain Management
Blockchain based SCM and proof of authenticity

E-commerce
Blockchain based e-commerce platform for B2C mass adoption

Open Blockchain API
Blockchain based API integrated solution for B2B
Supply Chain Blockchain

- Creation of Contract
- Product Sales
- Product Delivery
- Order Confirmation
- Transfer of Ownership
GUHADA

TEMCO’s major launch is an e-commerce platform called ‘GUHADA’ which is used to track the reselling of luxury goods and verify authenticity using blockchain.
KEY FEATURES IN GUHADA

GUHADA is a new and revolutionary e-commerce open market platform system that applies supply chain blockchain technology and active rewards system from the entire process of authenticity verification to user community.

- Vendor Verification System
  - TEMCO verifies vendors with business registrations and documents
  - Uploading data to blockchain

- Transparent Product Record Management
  - Recording of sales, delivery, transfer of ownership, etc.
  - Uploading data to blockchain

- Authentic Product Registration System
  - Smart Contract based
  - Counterfeit compensation
  - Sale of NFC attached Products

- Token Economy
  - Luxury Goods Community
  - Token Payment System
COMPENSATION CONTRACT WITH SELLERS THROUGH SMART CONTRACT
Supply Chain Authentication

1. User confirms the product to purchase
2. User confirms the payment options
3. The order is completed with TEMCO Tokens
4. User checks the order summary through blockchain
5. Detailed order data in "Blockchain Information"
**Purchase confirmation by user**

1. Confirm Purchase

   - Product Order API

2. Get purchase history

   - Blockchain
     - Smart Contract
     - Klaytn Nodes

3. Upload ownership transfer caver-java

   - DB

The order is completed with TEMCO Tokens

**Auto purchase confirmation**

[2 weeks later after user buy product]

1. Get purchase history

   - DB

2. Bulk upload ownership transfer

   - Blockchain
     - Smart Contract
     - Klaytn Nodes
1. User confirms the product to purchase
2. User selects the "TEMCO Token" in payment options
3. User confirms the payment details
4. Token payment completed
CRYPTO PAYMENT

Transfer Your 300 TEMCO to GUHADA

User confirms the payment details

TRANSFER COMPLETED

Balance: 100 TEMCO
$40.00

Token payment completed

Exchange Request

Cancel Order

Return Request

- Cancel order or return request can be placed within 2 weeks after complete payment
- Paid token price could be huge difference
CRYPTO PAYMENT

User confirms the payment details

Transfer Your 300 TEMCO to GUHADA

REFUND

REPLACE

TEMCO Token

GUHADA Point
CRYPTO PAYMENT

User selects the "TEMCO Token" in payment options

User confirms the payment details
CRYPTO PAYMENT

Transfer Your 300 TEMCO to GUNADA

1) Claim Data
Ex: Nov 18th 4PM 50,000 TEMCO

2) KRW price on Nov 18th 4PM [1 TEMCO]

3) KRW price on Nov [1 TEMCO]

4) Calculate conversion rate [T vs. P]

5) Return T or P based on user request

HMD (Historic Market Data)

DB

Exchange

User confirms the payment details
COMMUNITY REWARDS

REVIEW

1. User writes product review
2. User receives reward points

Q&A

1. User answers authentication inquiry
2. User receives reward points
BLOCKCHAIN INCENTIVE STRUCTURE FOR PRODUCT REVIEW

TEMCO TOKEN POINT POOL
Connect

Admin: TEMCO
TEMCO: 0x23b3d4d1---

User A: JAESEOB YOON
TEMCO: 0x23b3d4d1---
- Felt smaller
- Felt true to color
- Felt shorter

Modularized REWARD API

TEMCO TOKEN REWARD
1,000 TEMCO

WRITE A REVIEW

WRITE A REVIEW

1,000 TEMCO
Review Submitted!

HE TOKEN
37,070 TEMCO

Klaytn
BLOCKCHAIN INCENTIVE STRUCTURE FOR Q&A

TEMCO

TEMCO TOKEN POINT POOL
Connect

Admin: TEMCO
TEMCO: 0x234d456...

User: JAEOB YOON
TEMCO: 0x3456789...
TOTAL SCORE: 130

User: JOEY CHO
TEMCO: 0x9876543...
TOTAL SCORE: 100

User: BRIAN LEE
TEMCO: 0x3456789...
TOTAL SCORE: 80

Modularized REWARD API

GUHADA

TEMCO TOKEN REWARD
500 TEMCO

Klaytn

LUXURY APPRAISER

500 TEMCO
You are now a luxury appraiser!
**Java**
Math.random()
Random()

**Solidity → ?**

**Issues**
Expensive algorithm cost too much
Solidity code should be deterministic (majority of miners have to obtain the same result when evaluating a transaction to reach consensus)
THANK YOU.