



**BLOCKCHAIN-ENABLED  
FACTORING FOR THE  
DIGITAL AGE**

Factoring agents faced significant risks when providing financial assistance to manufacturers. The challenges were multifaceted and potentially devastating:

- **Dead Stock Risk:** Traditional factoring methods often left agents exposed to potential losses if manufacturers produced goods that couldn't be sold, resulting in dead stock.
- **Fraud Risk:** There were instances where unscrupulous manufacturers would take the money provided by factoring agents and disappear, leaving the agents with substantial financial losses.
- **Bankruptcy Risk:** If a manufacturer went bankrupt, factoring agents often found themselves as unsecured creditors, with little hope of recovering their investments.
- **Lack of Control:** Agents had limited visibility into how their funds were being used once released to the manufacturer, making it difficult to prevent misuse or mismanagement.
- **Market Volatility:** Rapid changes in market demand could leave manufacturers with unsold inventory, impacting their ability to repay factoring agents.

There was a pressing need for a comprehensive solution that would give factoring agents more control, visibility, and security throughout the manufacturing process. The ideal solution would need to:

- Provide real-time tracking of funds and materials
- Offer legal protections against fraud and bankruptcy
- Allow for staged release of funds based on verifiable production
- Include mechanisms for rapid recovery of assets in case of default
- Incorporate market analysis to prevent overproduction

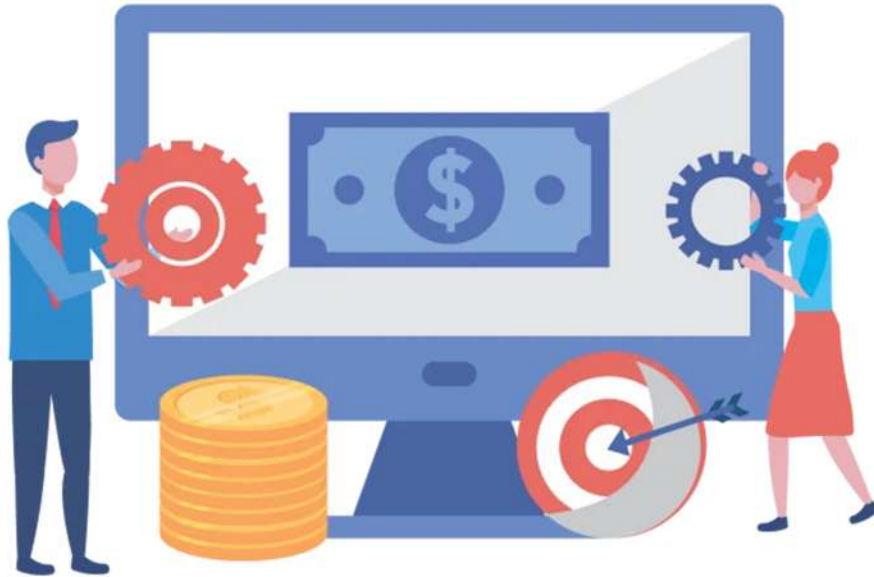
# OUR SOLUTION

We developed a Factoring solution , a comprehensive platform that revolutionizes the relationship between factoring agents and manufacturers. Key features include:



- **DIRECT RAW MATERIAL PROCUREMENT:**
  - Factoring agents purchase raw materials on behalf of manufacturers
  - Integration with supplier networks for streamlined ordering
- **INVENTORY MANAGEMENT SYSTEM:**
  - Real-time tracking of raw materials and finished goods
  - Predictive analytics for demand forecasting
- **PRODUCTION OVERSIGHT:**
  - Milestone-based manufacturing progress tracking
  - Quality control checkpoints throughout the production process
- **SMART CONTRACT INTEGRATION:**
  - Blockchain-based record of all transactions and agreements

# BENEFITS



- **REDUCED RISK FOR FACTORING AGENTS:**
  - Greater control over the use of funds
  - Ability to liquidate raw materials if necessary
- **IMPROVED CASH FLOW FOR MANUFACTURERS:**
  - Real-time tracking of raw materials and finished goods
  - Potential for better supplier terms due to factoring agent's involvement
- **ENHANCED TRANSPARENCY:**
  - Milestone-based manufacturing progress tracking
  - Real-time reporting on inventory levels and production status

- **OPTIMIZED PRODUCTION:**
  - Greater control over the use of funds
  - Improved alignment between production and market demand
- **STRENGTHENED RELATIONSHIPS:**
  - Closer collaboration between factoring agents and manufacturers
  - Potential for long-term, mutually beneficial partnerships

## **TECHNOLOGIES USED**

- Tendermind Core
- Cosmos SDK
- Golang
- LevelDB
- Tendermind Core
- RabbitMQ
- gRPC
- Docker
- Kubernetes
- Terraform