

Web Designer - Crypto & Web3



I'm a multidisciplinary designer and technologist with a background spanning UX, software development, transportation operations, AI, Web3, and digital education. My work blends creativity and engineering to build intuitive systems, craft meaningful user experiences, and solve complex real-world problems.



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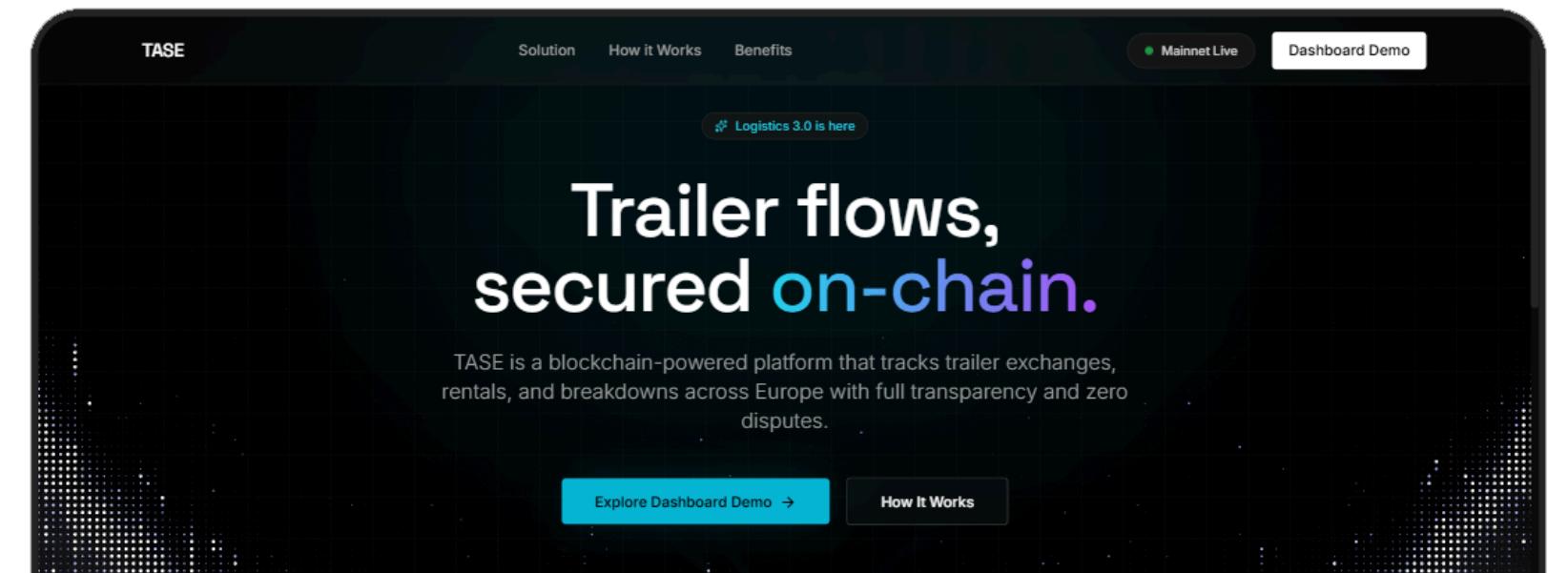
December 2025

Project Description - TASE

TASE is a blockchain-powered platform I designed to bring transparency, traceability, and operational trust to the European road-freight industry. The system introduces an on-chain lifecycle for trailers turning each unit into a verifiable digital asset whose exchanges, rentals, breakdowns, and maintenance events are immutably recorded.

By combining Web3 principles with real-world logistics workflows, I created a user experience that simplifies multi-actor coordination between transport companies, traction providers, depots, workshops, and insurers.

The result is a streamlined ecosystem where responsibility transfers are clear, disputes are reduced, and data flows seamlessly across borders. This project showcases my ability to design intuitive interfaces for complex operational systems, transforming fragmented processes into a cohesive, audit-ready platform built for scale.



TASE - Case Study



The screenshot displays the TASE platform's user interface. At the top, there are navigation links for 'Solution', 'How it Works', 'Benefits', 'Mainnet Live' (highlighted in green), and 'Dashboard Demo'. A banner at the top center reads 'Logistics 3.0 is here'. Below this, a large heading says 'Trailer flows, secured on-chain.' A subtext explains that TASE is a blockchain-powered platform for trailer exchanges, rentals, and breakdowns across Europe with full transparency and zero disputes. Two buttons are present: 'Explore Dashboard Demo →' and 'How It Works'. The main area features a 'Fleet Tracker' section for 'EU-CENTRAL - 1' with filters for 'On Route (4)' and 'Depot (12)'. It shows three specific trailers: one 'IN TRANSIT' from Hamburg to Stockholm, another 'CUSTOMS' from Berlin to Oslo awaiting clearance docs, and one 'DELIVERED' from Lyon to Milan signed by A. Russo. To the right is a map showing trailer routes from locations like LON, FRA, and BER through various European cities like CENTRAL, STOCKHOLM, and STO. A callout on the map highlights the 'Stockholm Zone'. At the bottom, a driver profile for 'Marcus W.' is shown with a 4.9 rating, a Krone Cool Liner XL truck, and contact icons.

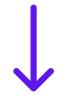
TASE brings clarity to the complex world of European trailer operations. By combining real-time fleet data with on-chain transparency, the platform ensures that every exchange, rental, and incident is recorded with complete accuracy.

This reduces operational friction, strengthens trust between actors, and creates a unified ecosystem where information flows seamlessly across borders.

My approach focuses on turning fragmented logistics processes into a coherent, auditable workflow. With blockchain verification and intuitive UI design, companies can manage assets with confidence, track responsibilities in real time, and eliminate the uncertainty traditionally associated with multi-actor transport operations.

Exploring the unseen layers of logistics bringing precision, transparency, and depth to every trailer movement.

Networks in Motion



Across Europe, transport operations rely on a patchwork of disconnected tools, manual updates, and unverified exchanges. Trailers change hands at depots, parking hubs, and borders with little to no real-time visibility, creating blind spots that slow down decision-making and make coordination unnecessarily difficult. The result is an ecosystem where responsibility is often unclear, and every delay adds friction to already complex logistics networks.

Every journey leaves a trace—yet in today's logistics landscape, many of these traces fade into silence. Trailers move across countries, pass through hands, and navigate thousands of kilometers without a clear, verifiable trail. What happens on the road often remains invisible to those who depend on that information the most, creating gaps that ripple through the entire supply chain.

TASE

Solution How it Works Benefits

Mainnet Live Dashboard Demo

Transport logistics is fragmented.

The current ecosystem relies on trust without verification, leading to costly disputes and operational blindness.

Scattered Information

Manual reconciliation across disconnected channels.

ID	STATUS	LOC
#TR-89	Unknown	DE
#TR-92	Delayed	
#TR-44	In Transit	

Missed Call
Driver (Hans M.)
2 min ago

Lost Visibility

Blind spots in asset tracking and responsibility.

SIGNAL_LOST

Frequent Disputes

Costly disagreements over asset condition.

TRAILER STATE LOG	ID: 8842
Tire Pressure	PASSED
Rear Bumper	DAMAGED
Cooling Unit	PASSED

Dispute Open #4492

No Unified History

Fragmented records across multiple parties.

Handover Protocol
scan_0042.pdf

Incident Reported
Carrier B reported scratch

Transfer pending...

A single source of truth for trailer & trucks lifecycles.

Orchestrate your entire logistics network from a single, high-fidelity command center.



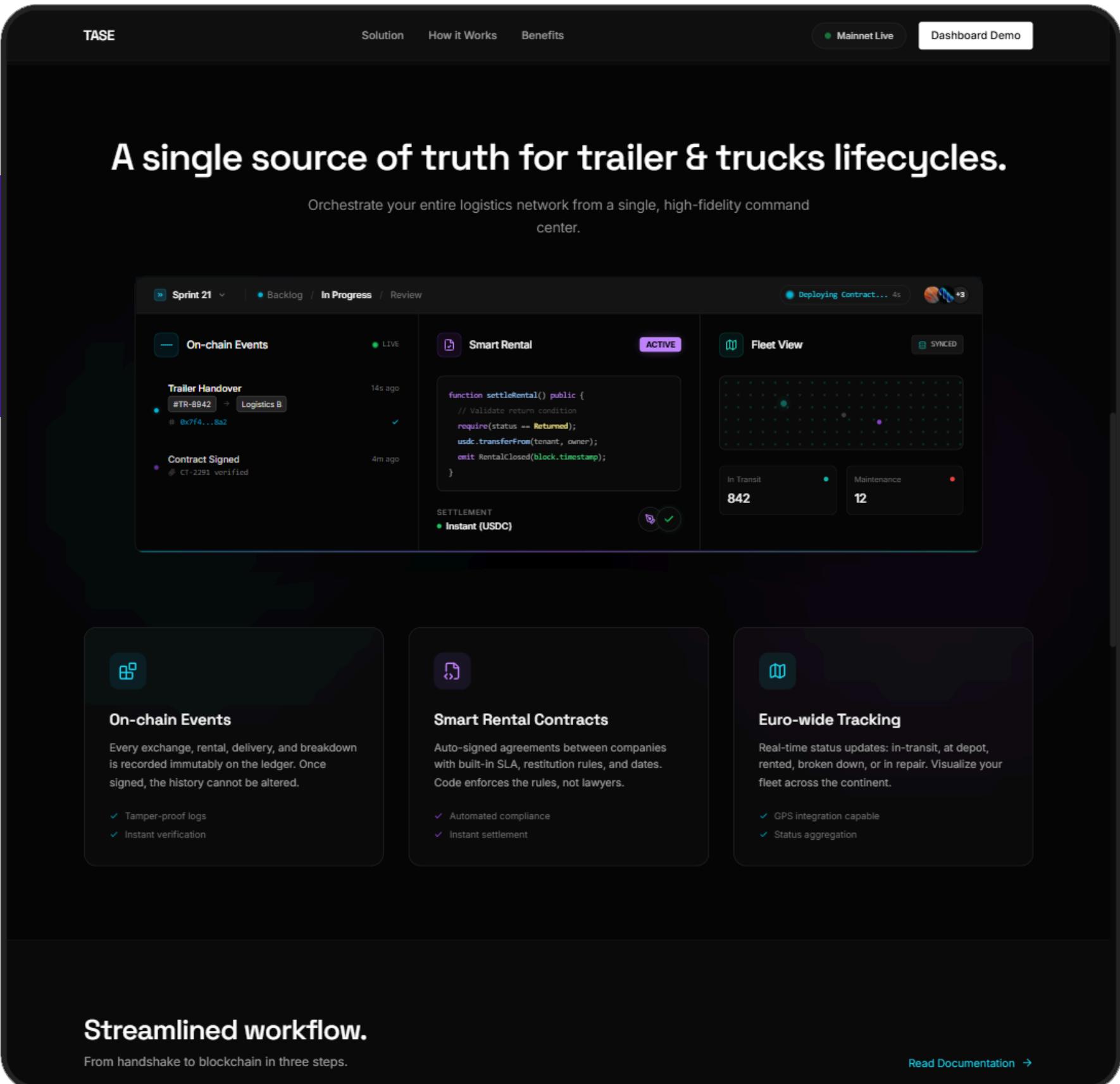
Just as pollinators connect ecosystems by carrying vital information from one point to another, TASE links every actor in the transport chain through a unified digital backbone. Each exchange, rental, and delivery becomes part of a verifiable on-chain record, ensuring that the flow of data remains uninterrupted, consistent, and impossible to lose.

What used to be scattered across calls, emails, and paperwork is now captured within a single source of truth that updates itself as operations unfold.

Euro wide tracking

A single source of truth for trailer & trucks lifecycles.

Orchestrate your entire logistics network from a single, high-fidelity command center.



The screenshot displays the TASE platform's user interface. At the top, there are navigation links for "TASE", "Solution", "How it Works", "Benefits", "Mainnet Live", and "Dashboard Demo". The main content area features a dark-themed dashboard with several sections:

- On-chain Events:** Shows a "Trailer Handover" event from "Logistics A" to "Logistics B" at 14s ago, and a "Contract Signed" event at 4m ago. It includes a code snippet for the "settleRental()" function and a "SETTLEMENT" section indicating "Instant (USDC)".
- Smart Rental:** Shows a "Smart Rental" contract with the status "ACTIVE". It includes a code snippet for the "settleRental()" function.
- Fleet View:** Displays a map with fleet locations and statistics: "In Transit" (842) and "Maintenance" (12).
- On-chain Events:** Describes how every exchange, rental, delivery, and breakdown is recorded immutably on the ledger. It lists benefits: Tamper-proof logs, Instant verification, Automated compliance, and Instant settlement.
- Smart Rental Contracts:** Describes auto-signed agreements between companies with built-in SLA, restitution rules, and dates. It lists benefits: GPS integration capable, and Status aggregation.
- Euro-wide Tracking:** Describes real-time status updates for in-transit, at depot, rented, broken down, or in repair. It lists benefits: GPS integration capable, and Status aggregation.

Streamlined workflow.

From handshake to blockchain in three steps.

[Read Documentation →](#)

Streamlined workflow.

From handshake to blockchain in three steps.

01

Create Contract

Define terms for rental or exchange. Set duration, cost, and liability rules via the dashboard.

02

Identify Asset

Scan the trailer's QR code or select from the fleet inventory to attach the physical asset to the digital deal.

03

Sign via Web3

Both parties sign with their wallet identity. The event is minted on-chain instantly.

[Read Documentation →](#)

Trusted by leading logistics innovators.

Real impact from real operators across Europe.

LW Lena Weber
EuroFleet GmbH
42% faster cycles

MF Marco Fernández
IberiaRepair
Zero disputes (90d)

SL Sophie Laurent
TransNordic Logistics
+18% utilization

AM Alex Meyer
Rail&Road Assets
Audit: 5d → 6h

4,500+ VERIFIED ASSETS

TransEuro PayCargo LogisticsOne FleetControl

A trusted logistic workflow

From creating a contract to identifying an asset and signing via Web3, every action becomes reliable and traceable. Transport operators across Europe report faster cycles, fewer disputes, and complete confidence in their fleet data.

By giving trailers a digital identity and automating operational rules, TASE helps companies navigate the logistics ecosystem as smoothly as natural systems move through the plains aligned, synchronized, and built on trust.



The Logistics confidence loop

This unified ecosystem enables transport companies, depots, and workshops to collaborate without friction. Fraud is eliminated through immutable identity checks, real-time visibility provides continuous awareness, and digital records stand up to audits and insurance claims.

With TASE, each part of the logistics cycle strengthens the next building a more reliable, transparent, and secure European supply chain.

With fraud-resistant identity checks, real-time tracking, and immutable data, every step of the logistics cycle becomes reliable and verifiable.

TASE enables seamless collaboration between carriers, depots, and workshops turning fragmented operations into a secure, transparent, and effortlessly coordinated network.

TASE

Solution How it Works Benefits

• Mainnet Live

Dashboard Demo

Why leading logistics firms choose TASE.

			
Fraud Reduction Eliminate phantom trailers and unauthorized usage through immutable identity checks.	Real-time Visibility Know exactly where your assets are and who is legally responsible for them at any second.	Immutability Audit-proof records that stand up in court and insurance claims. Code is law.	Collaboration Unified interface for depots, carriers, and workshops to coordinate without friction.

Ready to secure your fleet?

Join the future of European logistics. Start tracking your trailer exchanges on the blockchain today.

[Request Access](#)

[Book A demo](#)

TASE

On-chain logistics infrastructure for the modern European supply chain.

Product

[Dashboard](#)

[Smart Contracts](#)

[Tracking](#)

Company

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Behind the interface, TASE relies on a hybrid architecture combining Web3 identity, geolocation services, and automated smart contract logic. Every trailer's NFT serves as a single source of truth, with all updates handover confirmations, sensor-based condition checks, and incident reports minted on-chain to guarantee immutability. API integrations connect depots, carriers, and IoT systems, allowing the dashboard to synchronize real-world movements with blockchain-backed records in real time. This ensures that operational data is accurate, tamper-proof, and instantly accessible to all authorized stakeholders.

The system combines blockchain immutability with IoT data, smart contracts, and API integrations to synchronize every change occurring in the field. Each update is validated, recorded, and attached to the trailer's digital identity, ensuring that fleet operations remain transparent, auditable, and technically robust.

On-chain identity

The screenshot displays the TASE dashboard interface. At the top, there are tabs for Solution, How it Works, and Benefits, along with buttons for Mainnet Live and Dashboard Demo. Below the header, there are four summary cards: Active Trailers on Chain (214), Fleet Utilization Rate (87%), Average Downtime (1.2d), and Open Incidents (3). A search bar at the top left allows users to search by ID or Hash. The main area features a table for managing trailers, with columns for TRAILER ID / NFT, STATUS, CURRENT LOCATION, LAST EVENT, and ACTIONS. The table lists four trailers: #TASE-042 (In Transit, A1 Autobahn, DE, Geofence Exit 12m ago), #TASE-089 (At Depot, Lyon Logistics Hub, Check-in 4h ago), #TASE-112 (Breakdown, E40 Highway, BE, Incident Reported 20m ago), and #TASE-055 (Available, Hamburg Port, Maintenance Done 2d ago). To the right of the table is a detailed timeline for trailer #TASE-042, showing events like Geofence Exit, Rental Started, Condition Check Passed, and Smart Contract Created. Buttons for Generate Handover Protocol and a map are also present.

TRAILER ID / NFT	STATUS	CURRENT LOCATION	LAST EVENT	ACTIONS
#TASE-042 Krone Profi Liner	In Transit	A1 Autobahn, DE	Geofence Exit 12m ago	
#TASE-089 Schmitz Cargobull	At Depot	Lyon Logistics Hub	Check-in 4h ago	
#TASE-112 Krone Mega Liner	Breakdown	E40 Highway, BE	Incident Reported 20m ago	View Report
#TASE-055 Krone Cool Liner	Available	Hamburg Port	Maintenance Done 2d ago	

#TASE-042 Token ID: 8992...3b1 • On-Chain [View Metadata](#)

Timeline	Contract	Map
<p>Geofence Exit Vehicle left Munich Logistics Center zone. # 0x8a...52c1</p>		
<p>Rental Started Contract executed by TransCargo Ltd.</p>		
<p>Condition Check Passed Automated sensor verification via Oracle. Tires OK Brakes OK</p>		
<p>Smart Contract Created Parameters defined on Polygon Network.</p>		

[Generate Handover Protocol](#)

48.1351° N, 11.5828° E

Designing Seamless On-Chain Contract Operations

TASE

Solution How it Works Benefits

Mainnet Live Dashboard Demo

Contract Operations
On-chain workflow management and settlement.

BACKLOG

ORACLE CHECK

SIGNATURES

SETTLEMENT

Smart Contract Workflow Action Req

ID: 0x82...99a1 • Rental Agreement v2.4

Contract Drafted Verified

master_agreement_2023.pdf SHA256: 8a71...b92

Oracle Data Verification Passed

TIRE PRESSURE OK (Bar 8.2)

GPS LOCATION Match

Digital Signatures Awaiting You

Sign as TransCargo Ltd. 0x71...849

```
function signAgreement(uint256 _id) public {  
    require(msg.sender == lessee, "Not auth");  
    Agreement storage a = agreements[_id];  
    a.signed = true;  
    a.timestamp = block.timestamp;  
    // Trigger minting event  
    emit AgreementSigned(_id, msg.sender);  
}
```

On-Chain Settlement Pending

Funds will be locked in escrow contract 0x99...a1.

Audited by Certik Gas est: 0.004 ETH

TASE
On-chain logistics infrastructure for the modern European supply chain.

Product Company

Dashboard About

Smart Contracts Partners

Tracking Contact

This interface was designed to simplify the full lifecycle of trailer rental and exchange contracts by breaking the workflow into clear, structured stages. Each card represents a distinct operational step backlog, oracle verification, digital signatures, and on-chain settlement allowing users to monitor progress at a glance.

Behind the UI, each action corresponds to a verifiable blockchain event. Sensor and GPS data are fetched through oracle checks, rental agreements are validated via smart contract logic, and stakeholders authenticate their participation through cryptographic signatures.

Tools



The interface was first conceptualized and structured in Figma, where the full workflow from backlog to oracle checks, signatures, and settlement was prototyped as a modular, card-based system. Figma allowed precise control over hierarchy, spacing, and component consistency, ensuring a frictionless experience even for complex operations. The prototype was then refined in Unicorn Studio, enabling interactive transitions, state changes, and micro-interactions that simulate real-world contract flows.

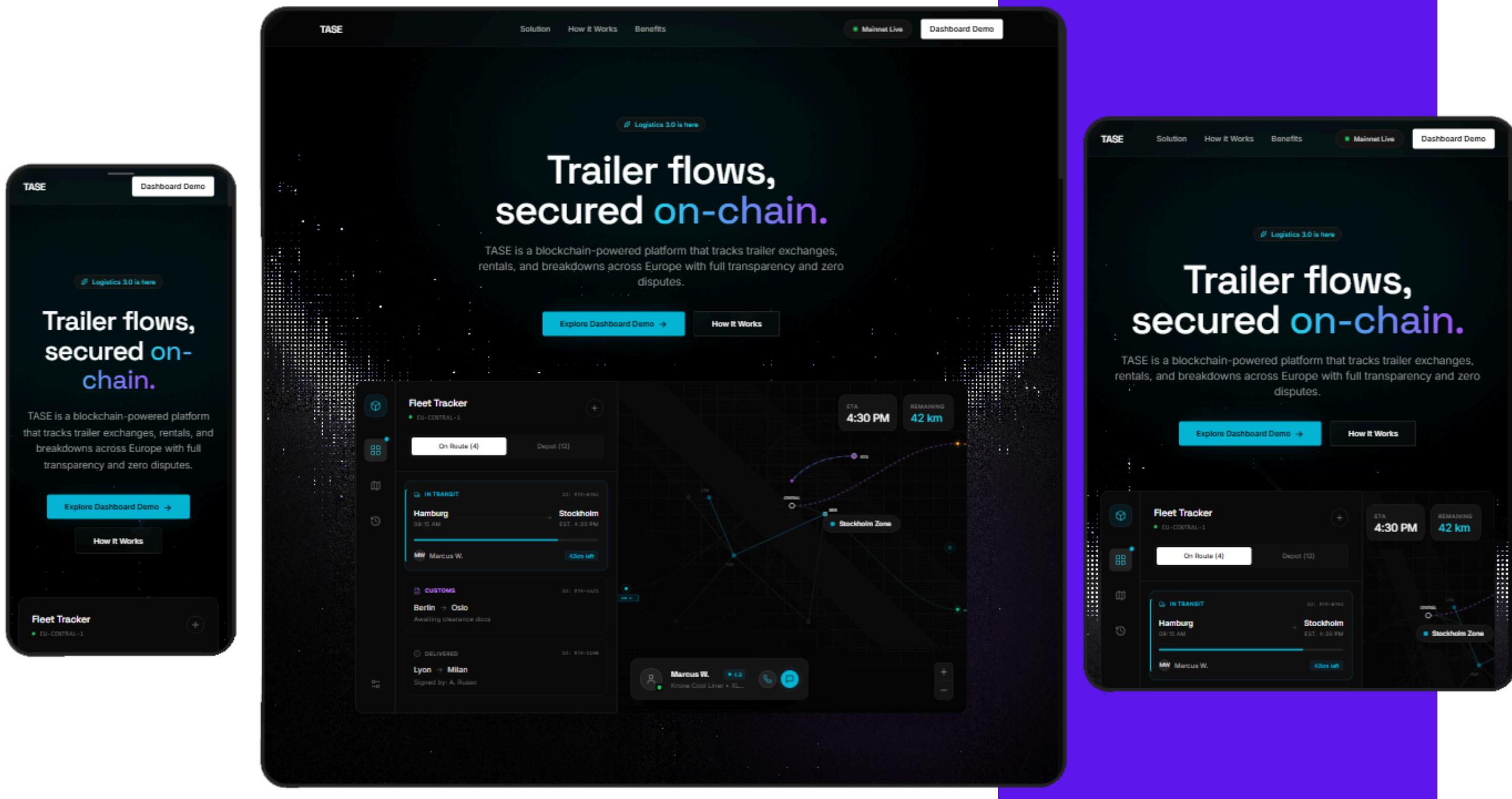
This combination of tools provided a seamless bridge between UX exploration and high-fidelity interface behavior.

For implementation, the interface was built using Tailwind CSS, allowing rapid styling with a scalable utility-first approach that keeps the design perfectly aligned with the original Figma components.

The structure of the dashboard is powered by clean HTML and optimized CSS, while interactive elements such as real-time updates, verification states, and signature prompts are handled with JavaScript. This stack ensures a responsive, high-performance interface, capable of displaying blockchain-driven events dynamically while maintaining clarity and usability across devices.

Thank You.

Ismaël BERNARD [in](#)



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