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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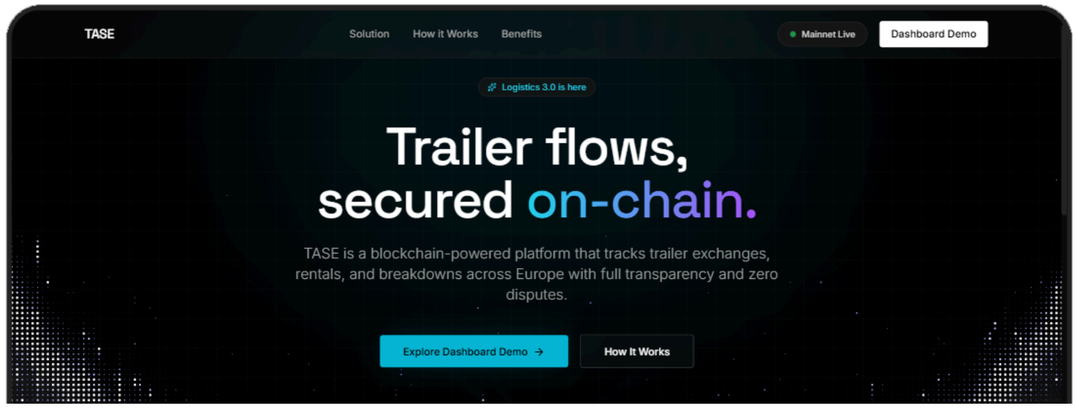
Project Description - TASE

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.

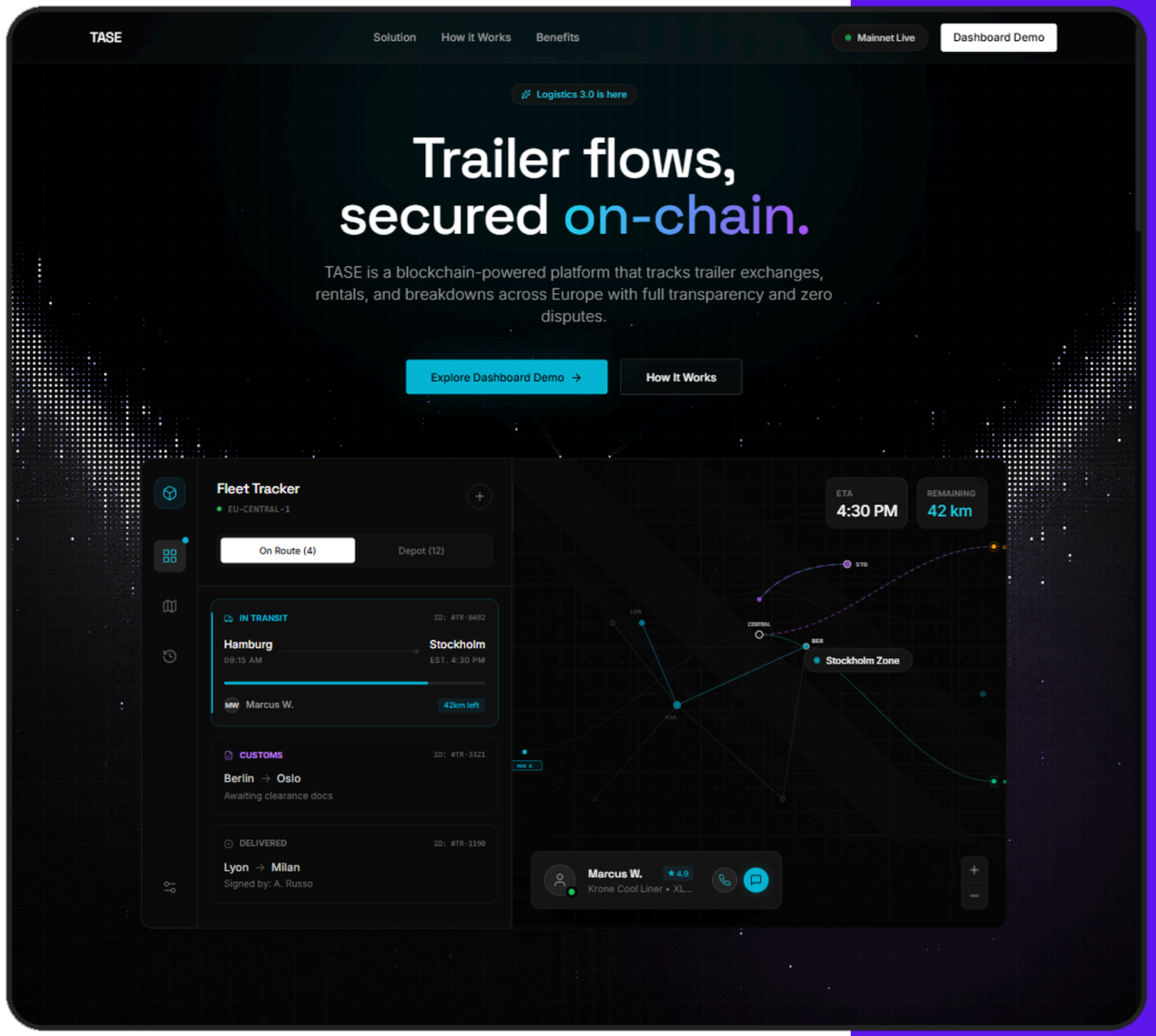
By combining Web3 principles with real-world logistics workflows, I created a user experience that simplifies multi-actor coordination between transport companies, traction providers, depots, workshops, and insurers.

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

TASE



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.

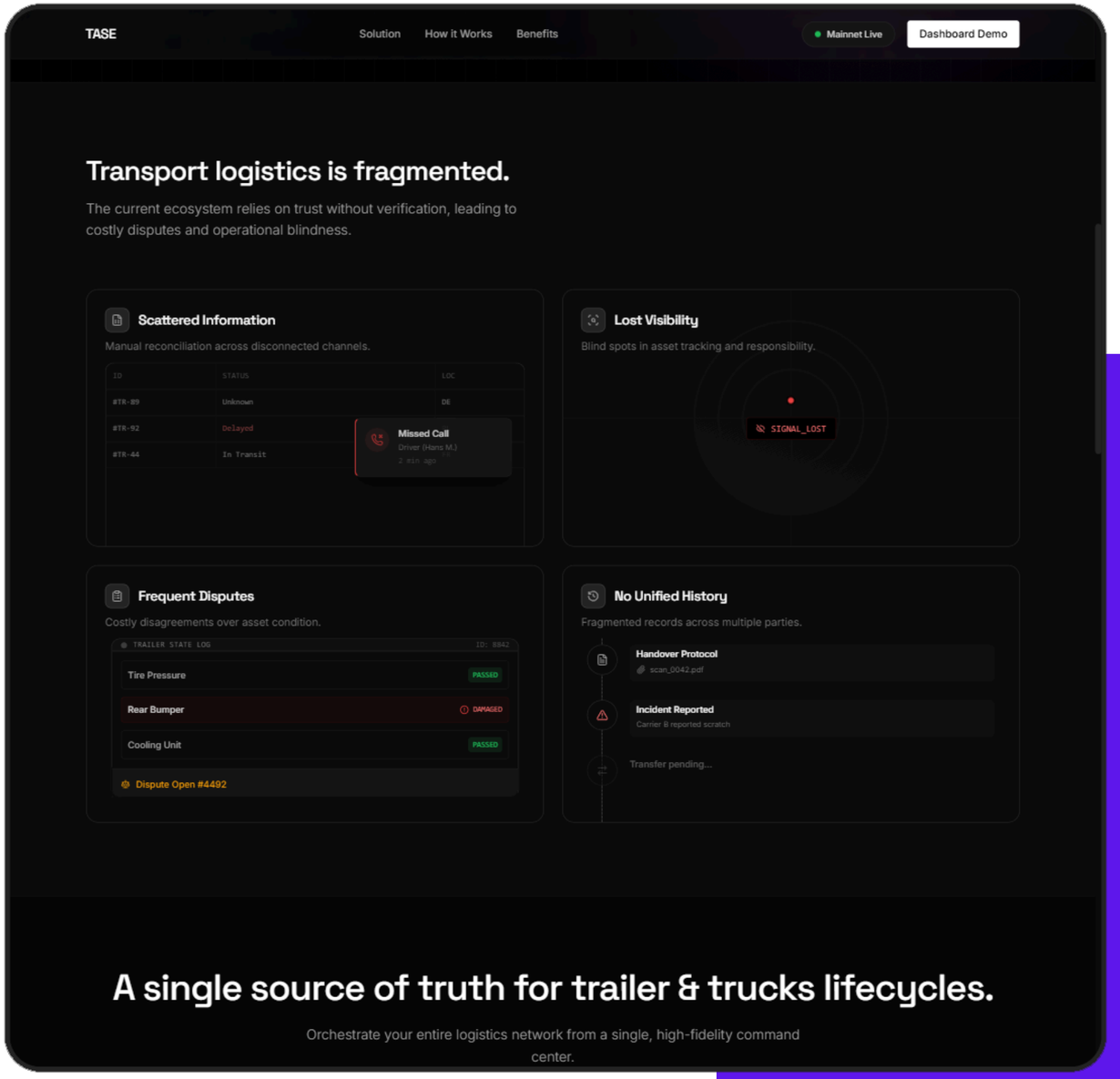
Exploring the unseen layers of logistics bringing precision, transparency, and depth to every trailer movement.

TASE

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.

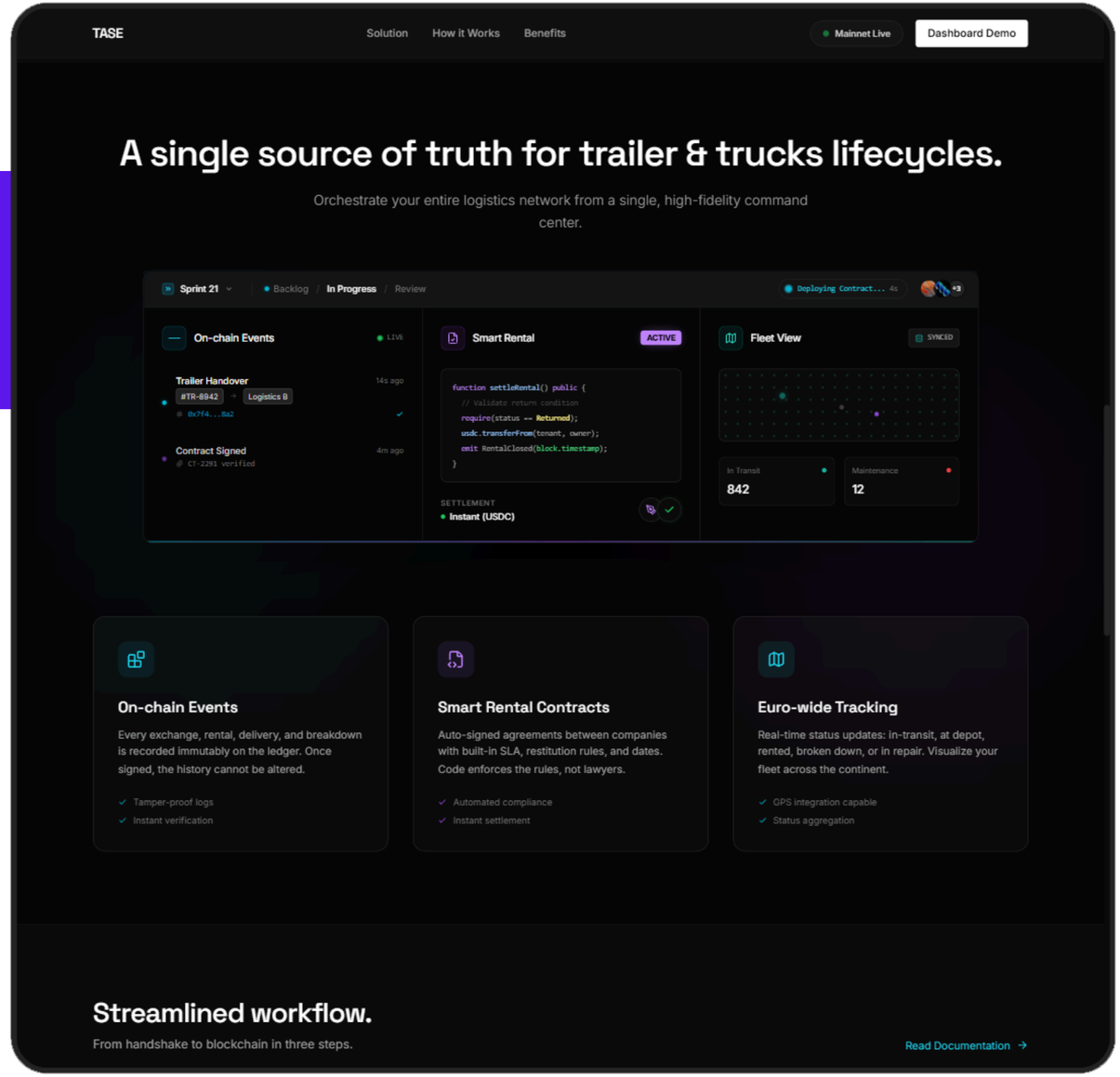


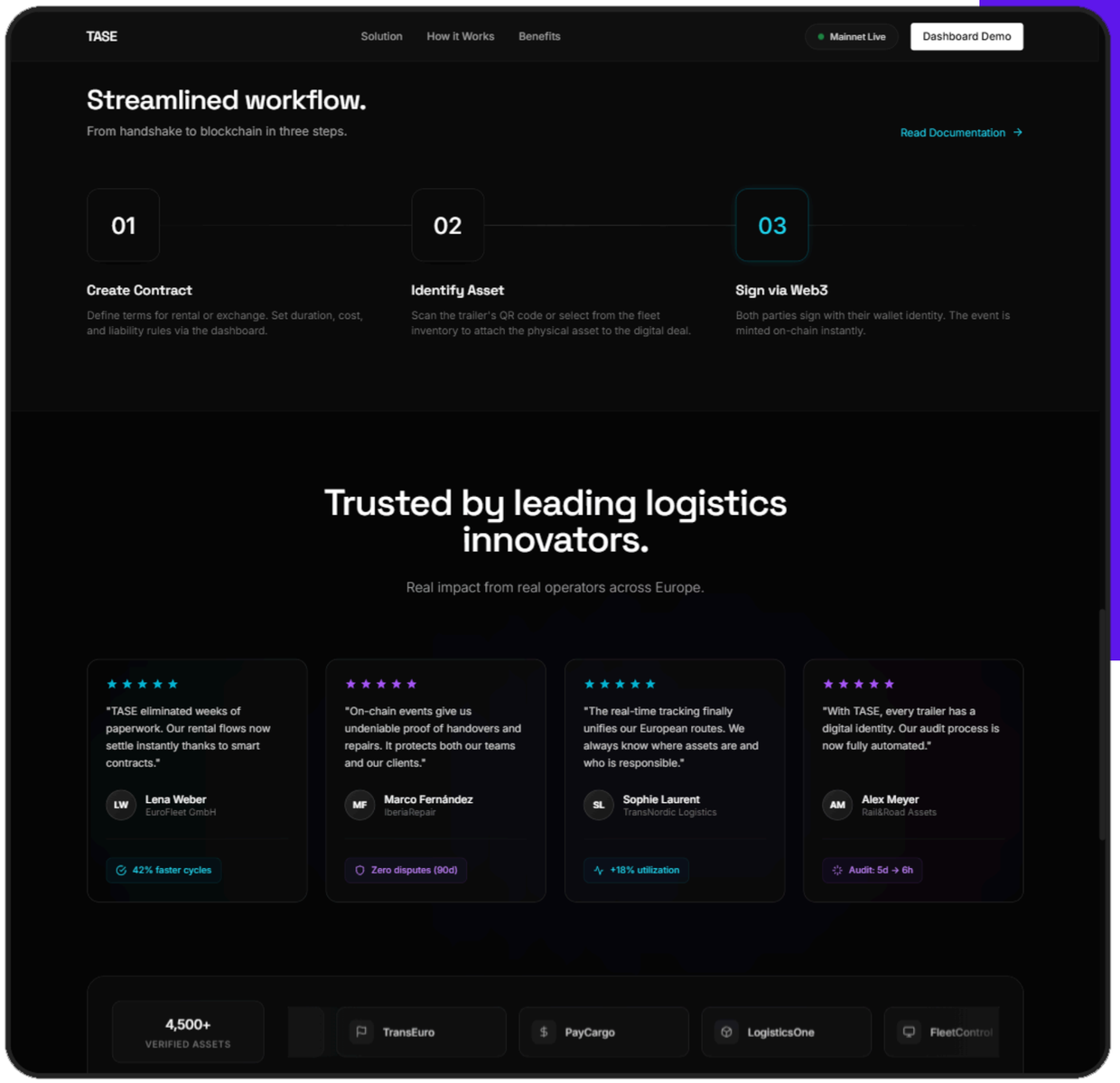
TASE

Euro wide tracking

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.





TASE

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.

Wardiere Inc.

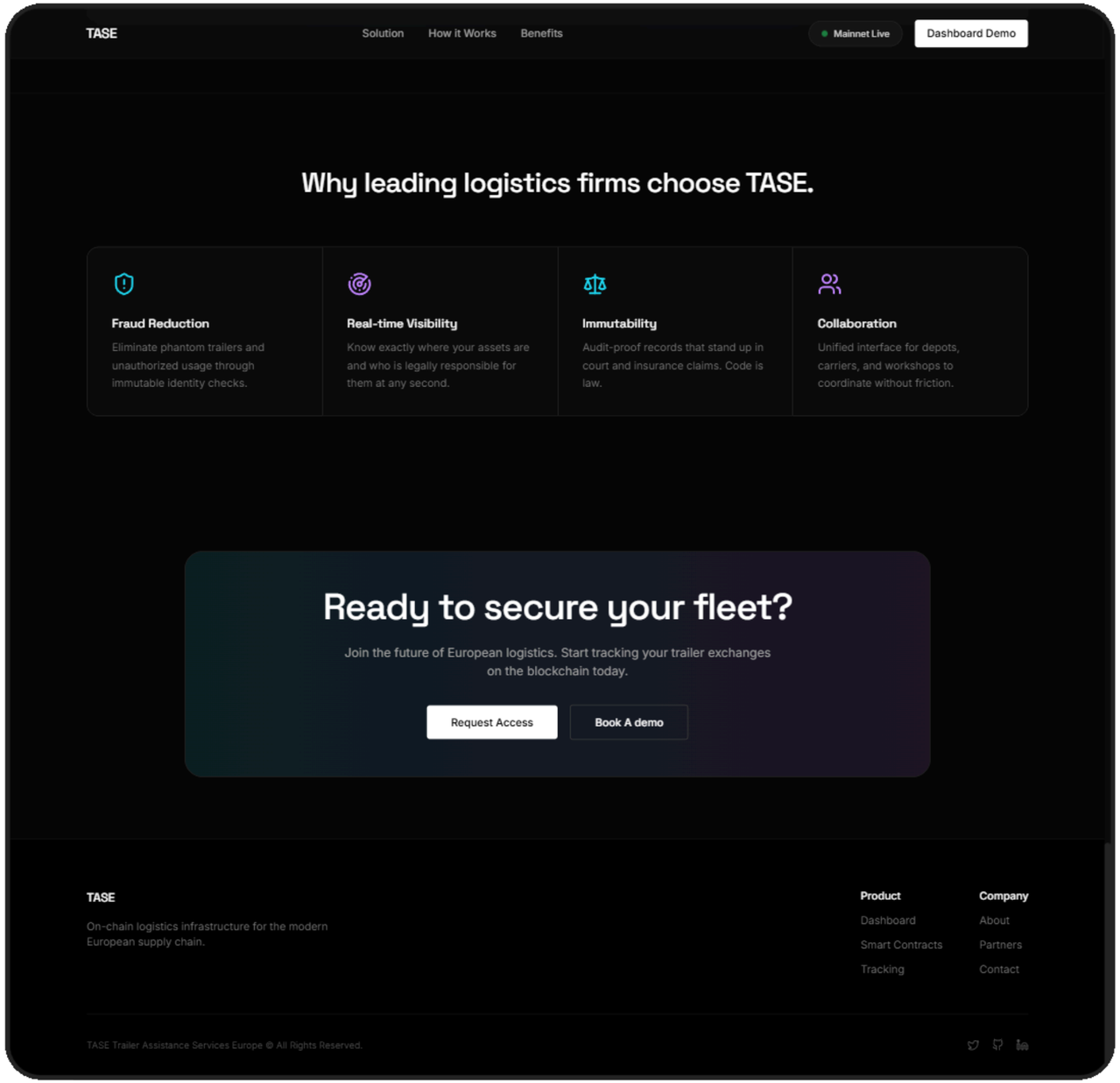
The Logistics confidence loop

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.

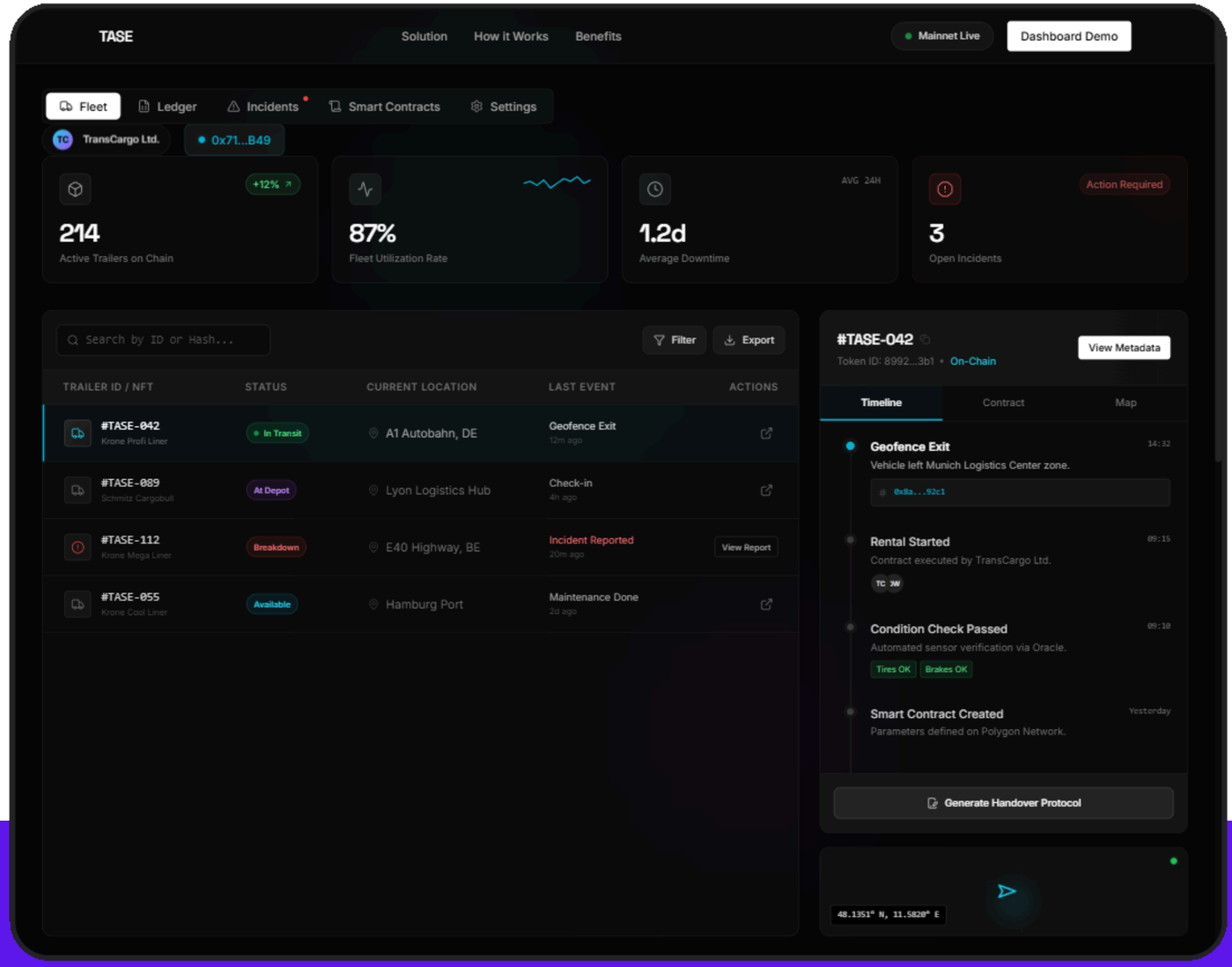


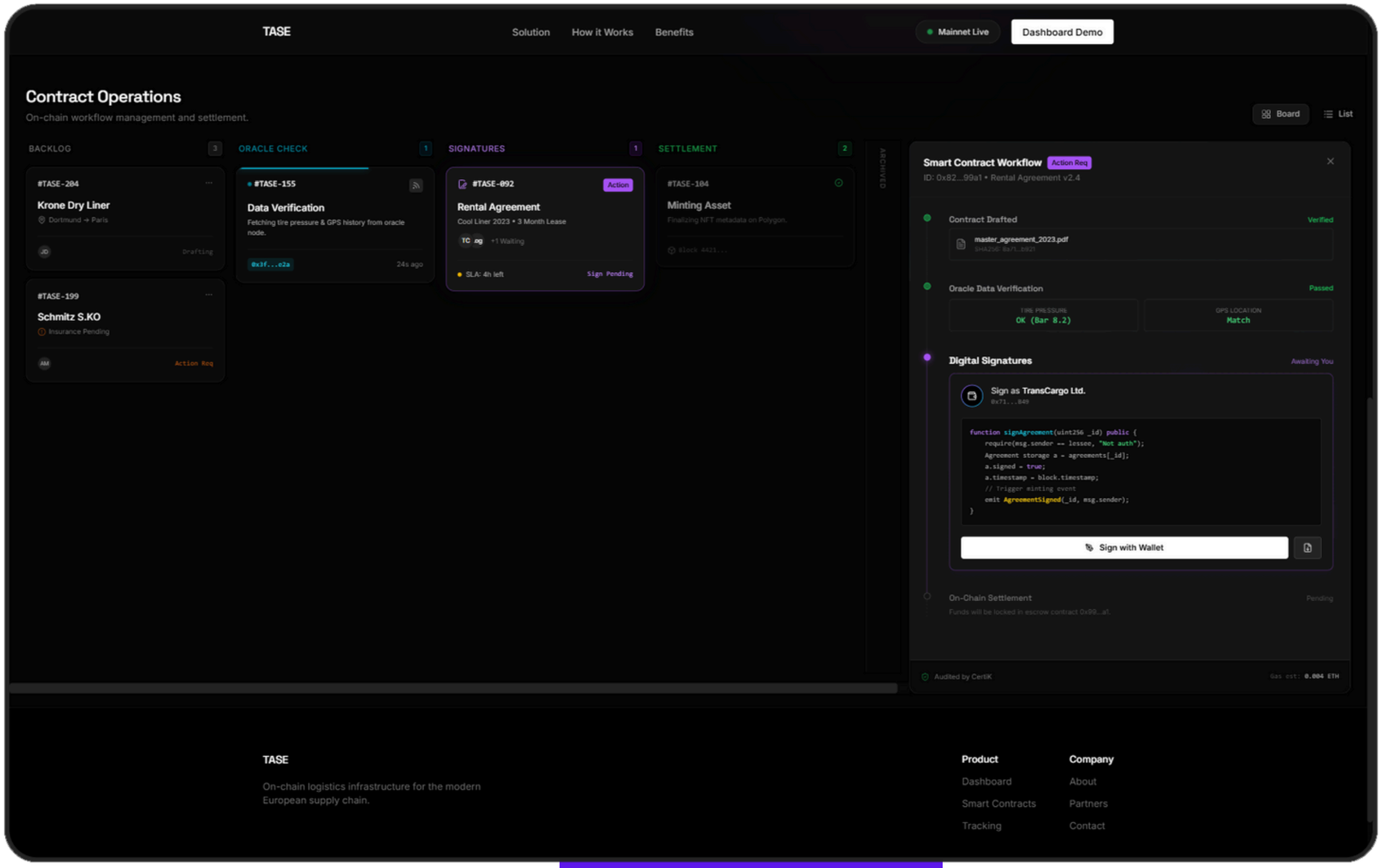
TASE

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





Designing Seamless On-Chain Contract Operations

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.

TASE

Tools

he 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.

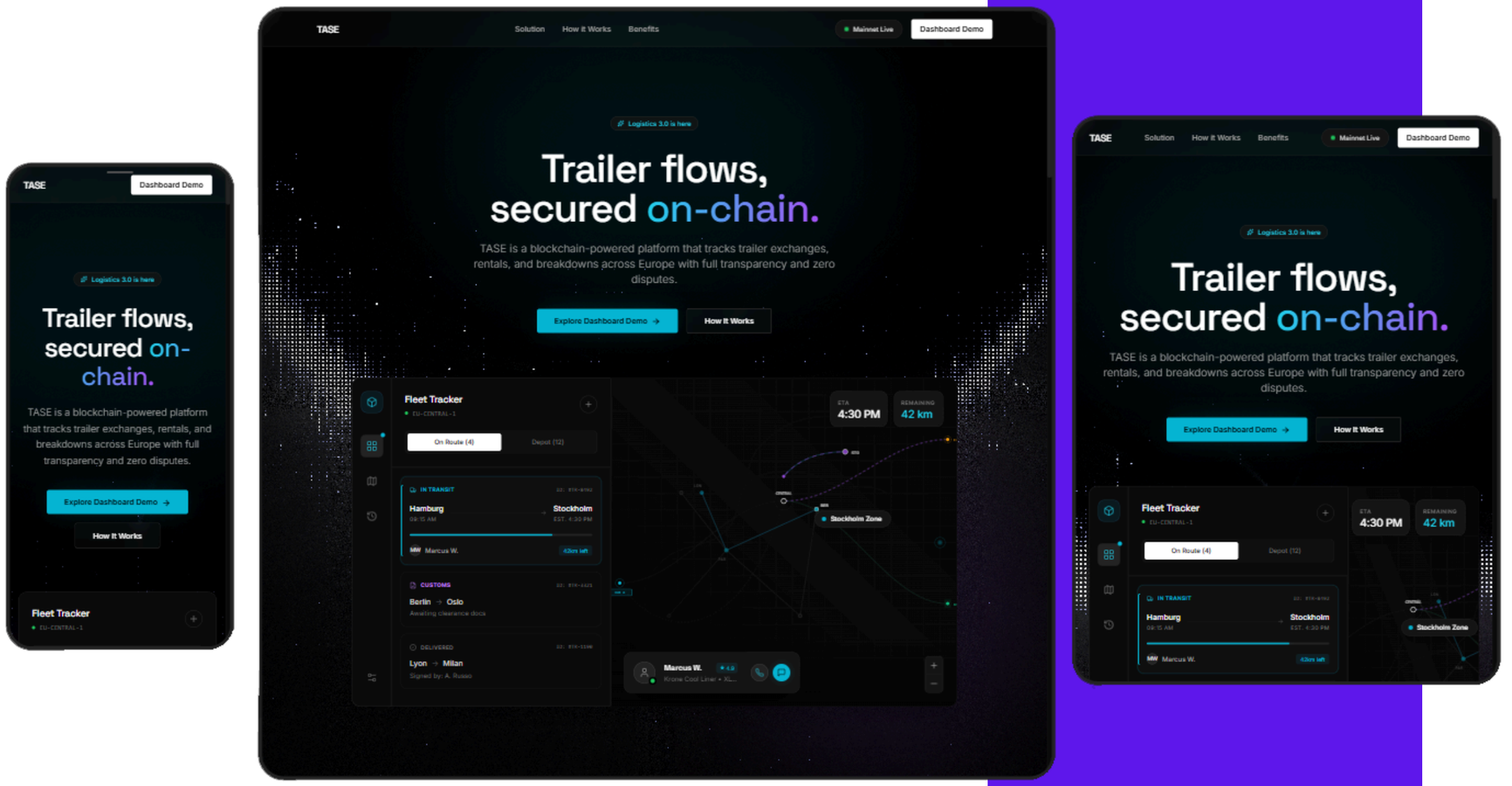
This combination of tools provided a seamless bridge between UX exploration and high-fidelity interface behavior.

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



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