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Digital Supply Chain Resilience Platforms for SMEs in Europe – Experiences from the ResC4EU Project

World Conference on Transport Research Society (WCTRS) 2026

SIG B1 Special Session (77831): Supply Chain Resilience Platforms

Dr. Violeta Damjanovic-Behrendt, GreenTwin GmbH, Austria - 07 July 2026

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ResC4EU Project

Funded by the European Union

- Defining risk, disruption and alerts models for SC
- A holistic European value network for strengthening SC
- Adoption of resilience methods through a SC platform
- Demonstrating SC resilience
- **Join: https://resc4eu.greentwin.app/**





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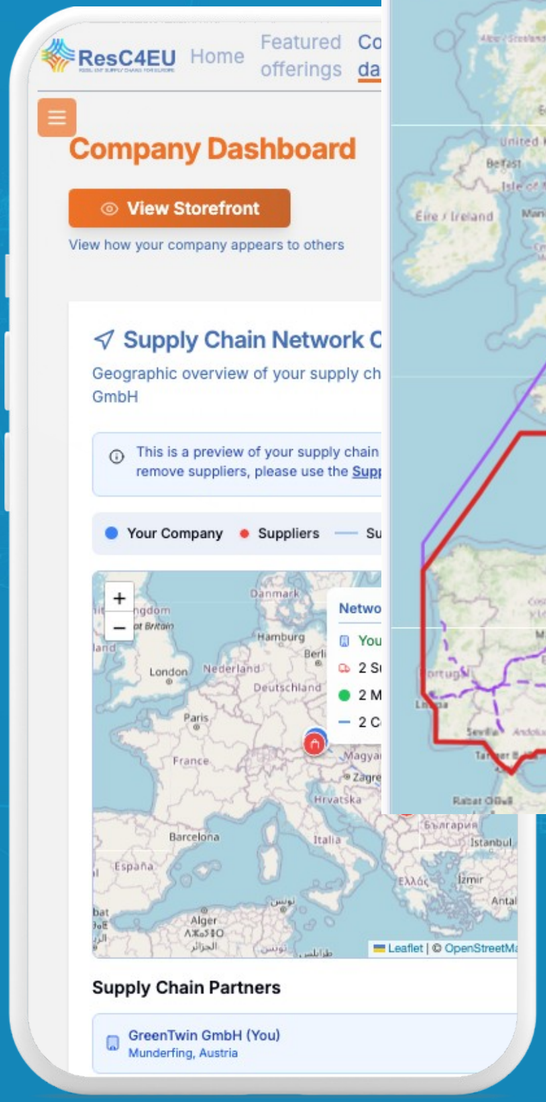
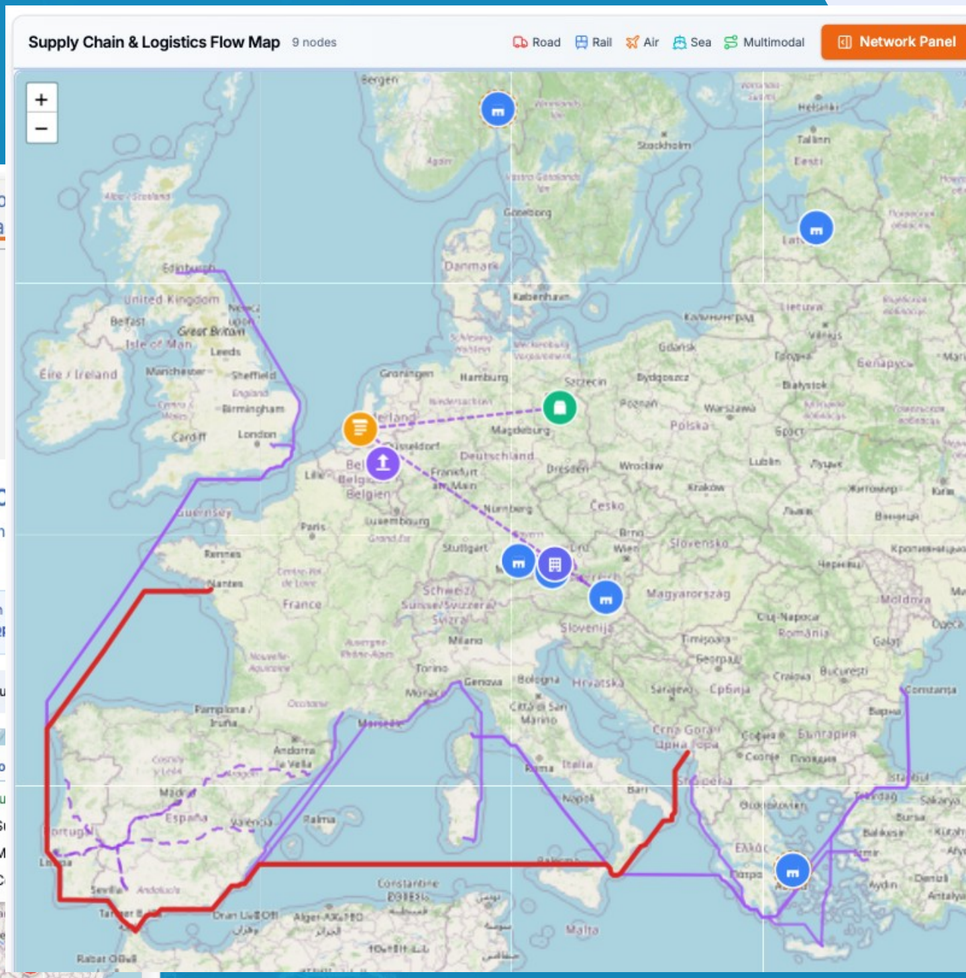
Our Role in ResC4EU

- ResC4EU Platform Design & Implementation
- Platform services for 14 industrial sectors
- Deployment of 4 industrial demonstrators
- Join: https://resc4eu.greentwin.app/







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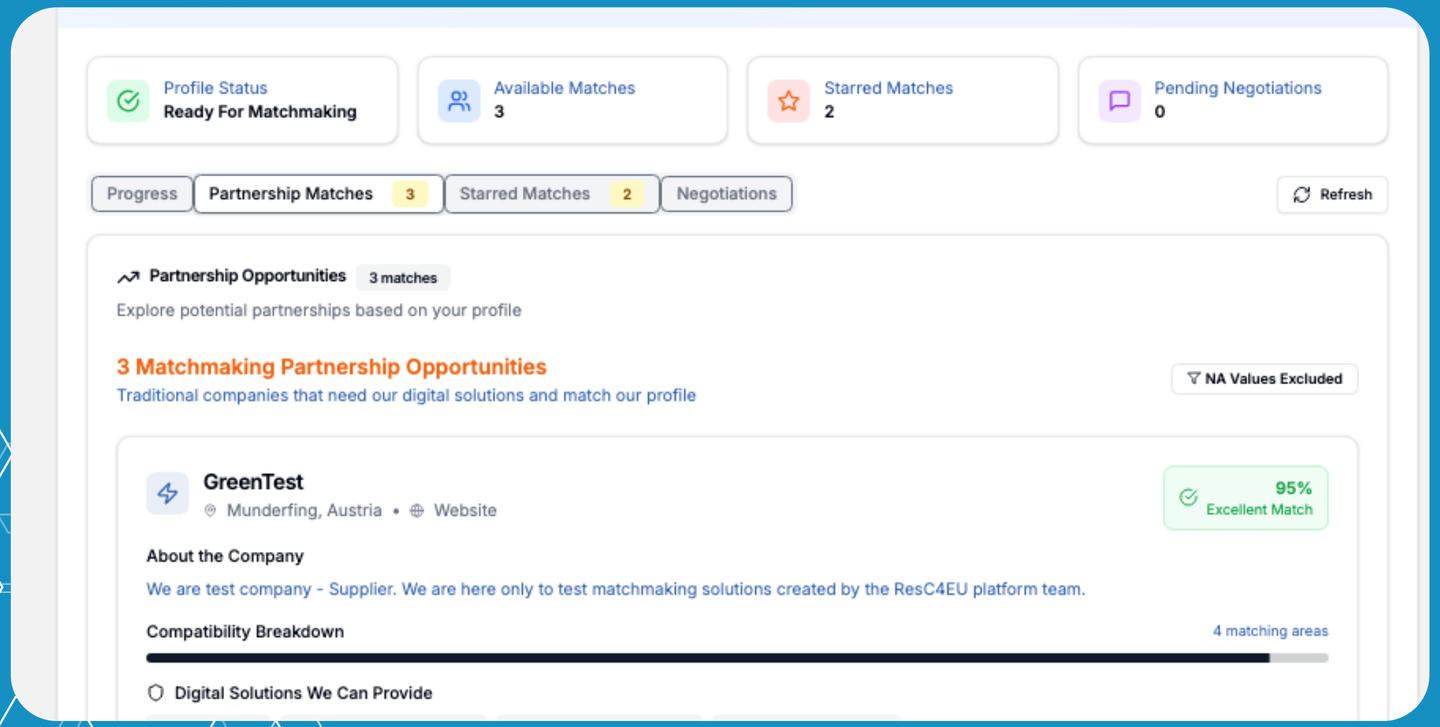
Automated Matchmaking for Supply Chain Resilience



Collaborative Dashboards

Secure Data Exchange

Identifying Alternative Suppliers



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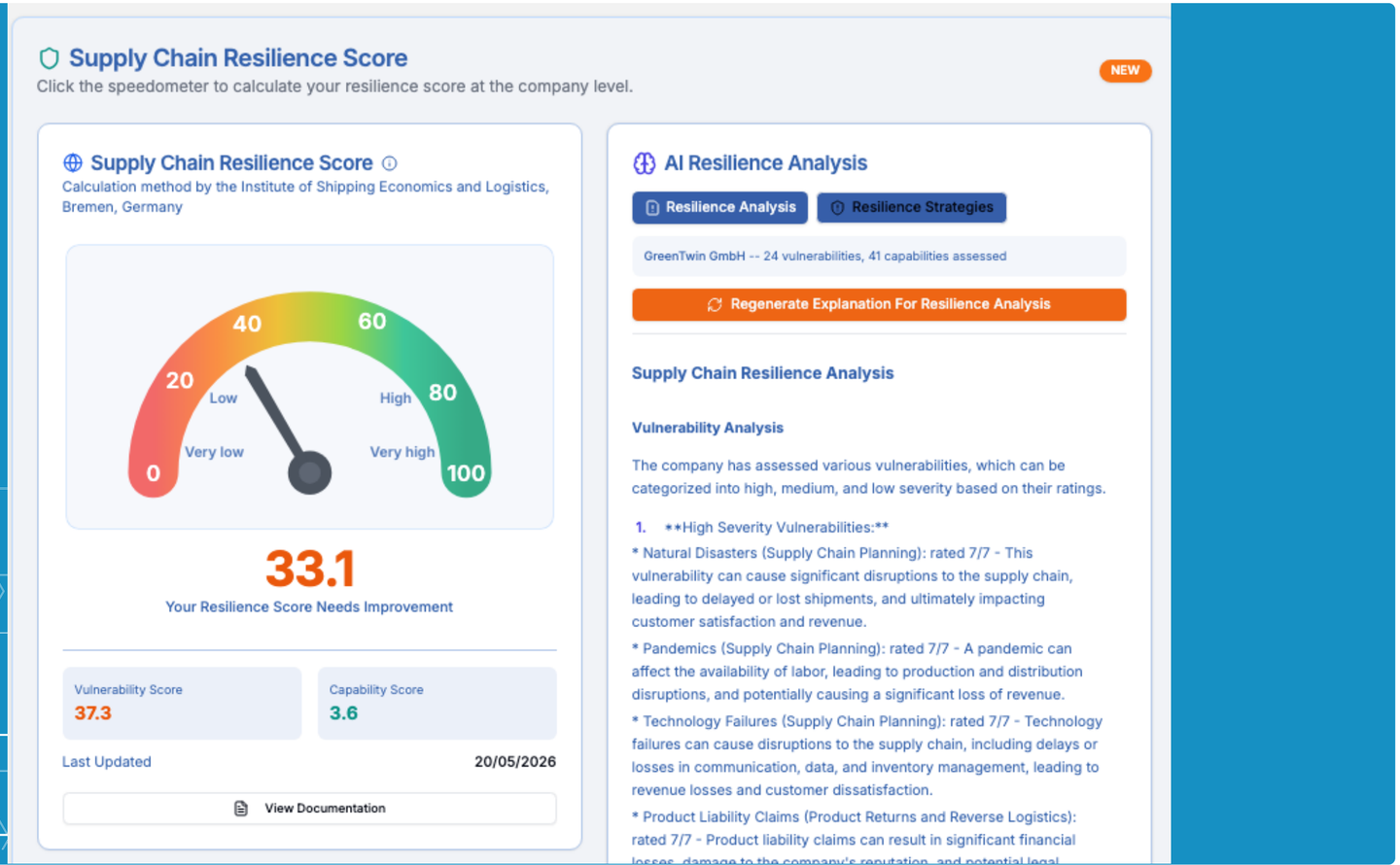
Resilience Score Calculation & AI-Enabled Tailored Strategies



SC Resilience Score Calculation

AI-based Resilience Analysis

AI-based Resilience Strategies



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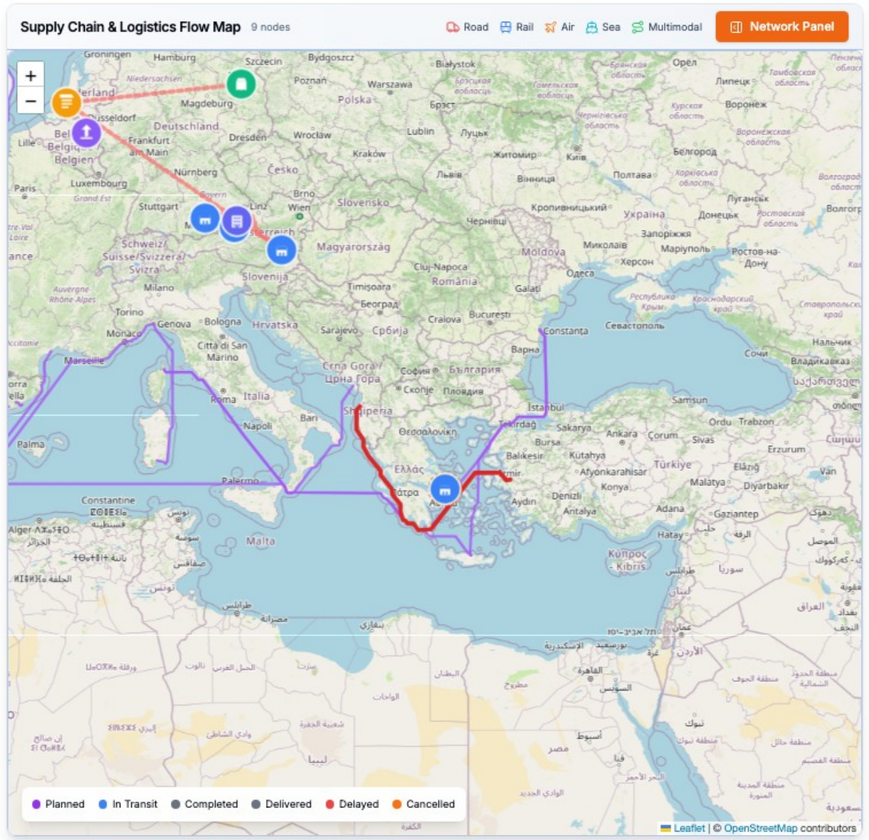
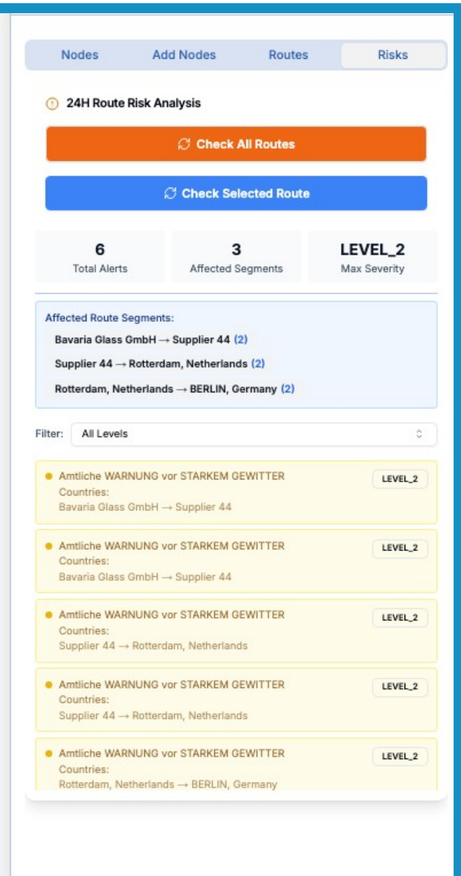
Risk Alerts at the Route Level





Platform-External Risk Alert API

Risk Alert for Selected Route

Risk Alert for the SC Network



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Risk Alerts Leveraging Earth Observation



Earth Observation Analytics

Automated Risk Monitoring

Space Data Economy



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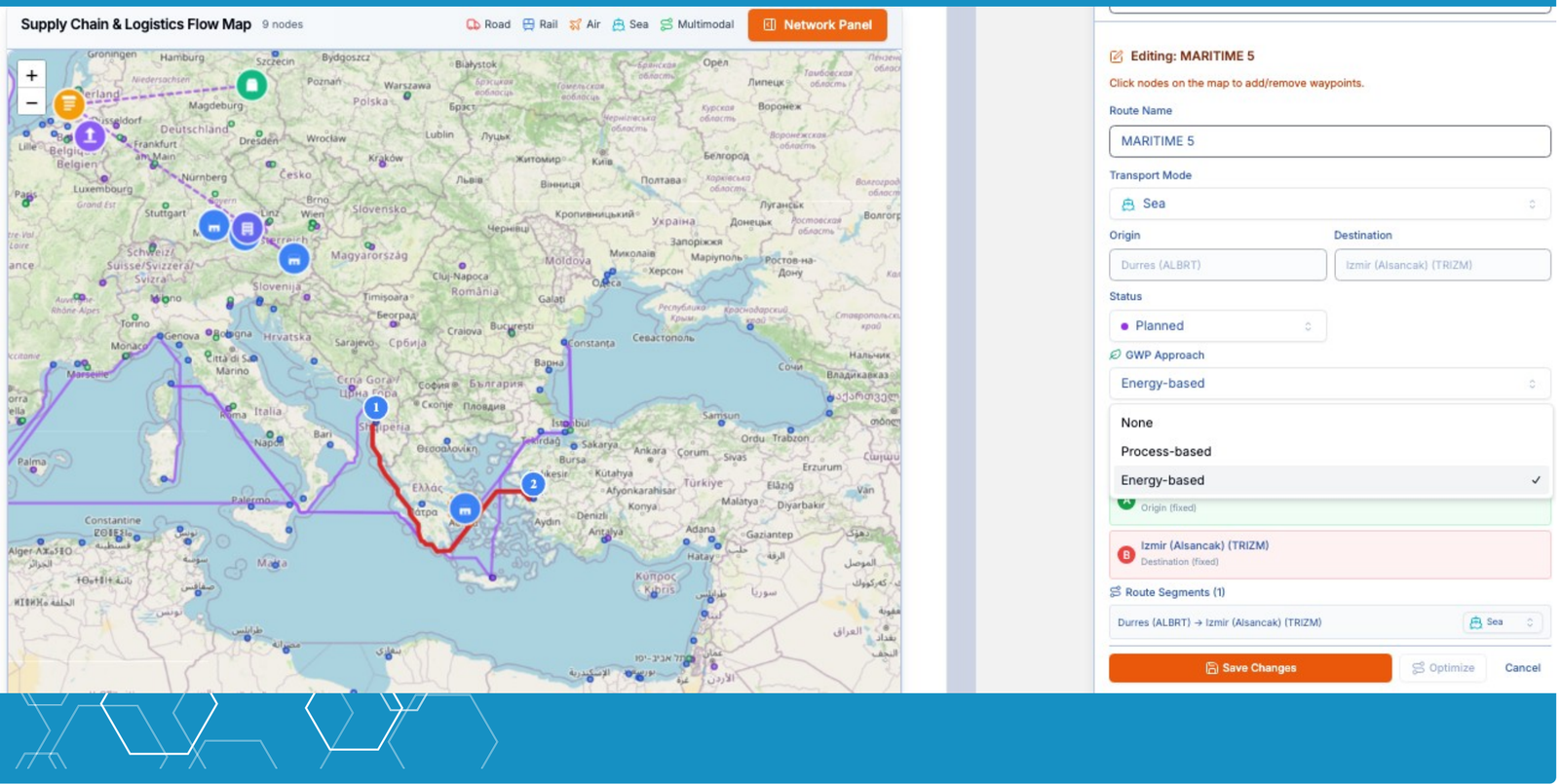
Global Warming Potential Calculation at the Route Level



Process-based GWP

Energy-based GWP

Transport-based GWP

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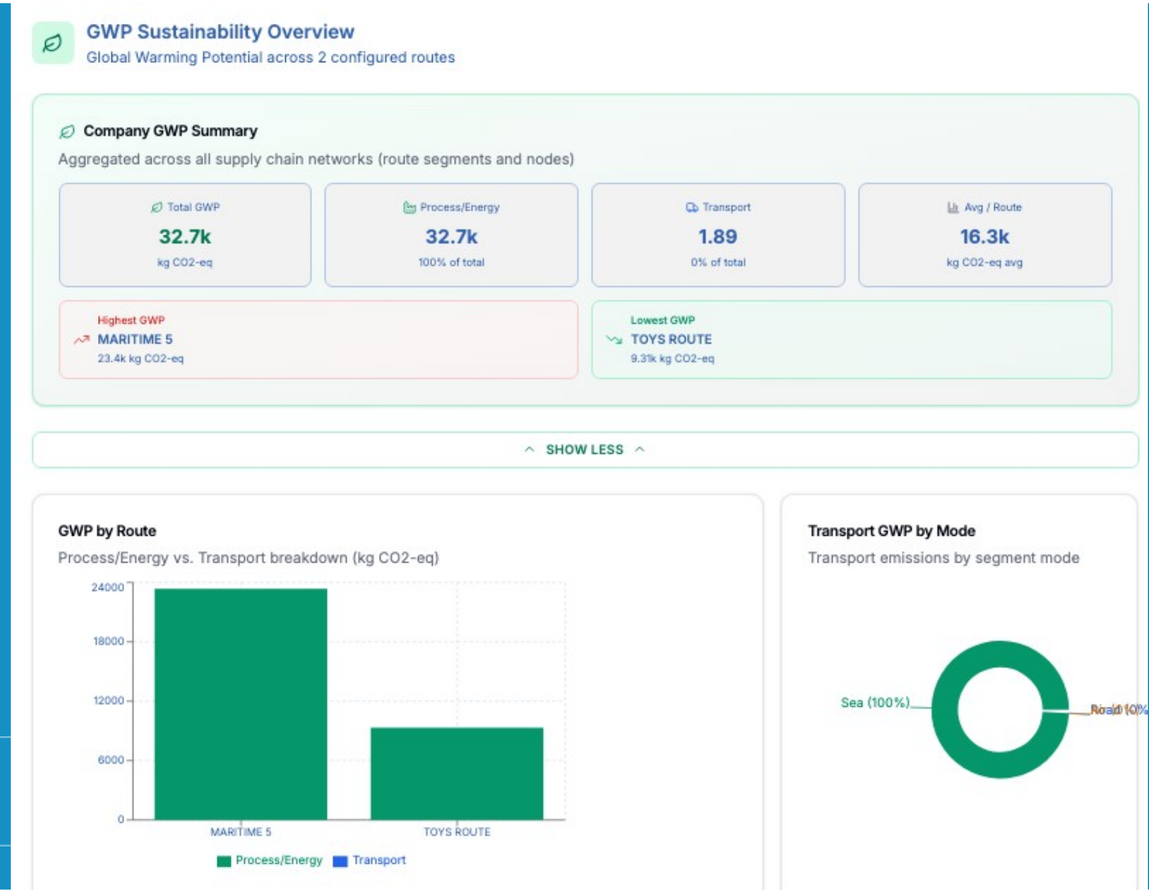
Sustainability Measures and Statistics



GWP sustainability overview

Overview per Routes

Overview per Transport mode



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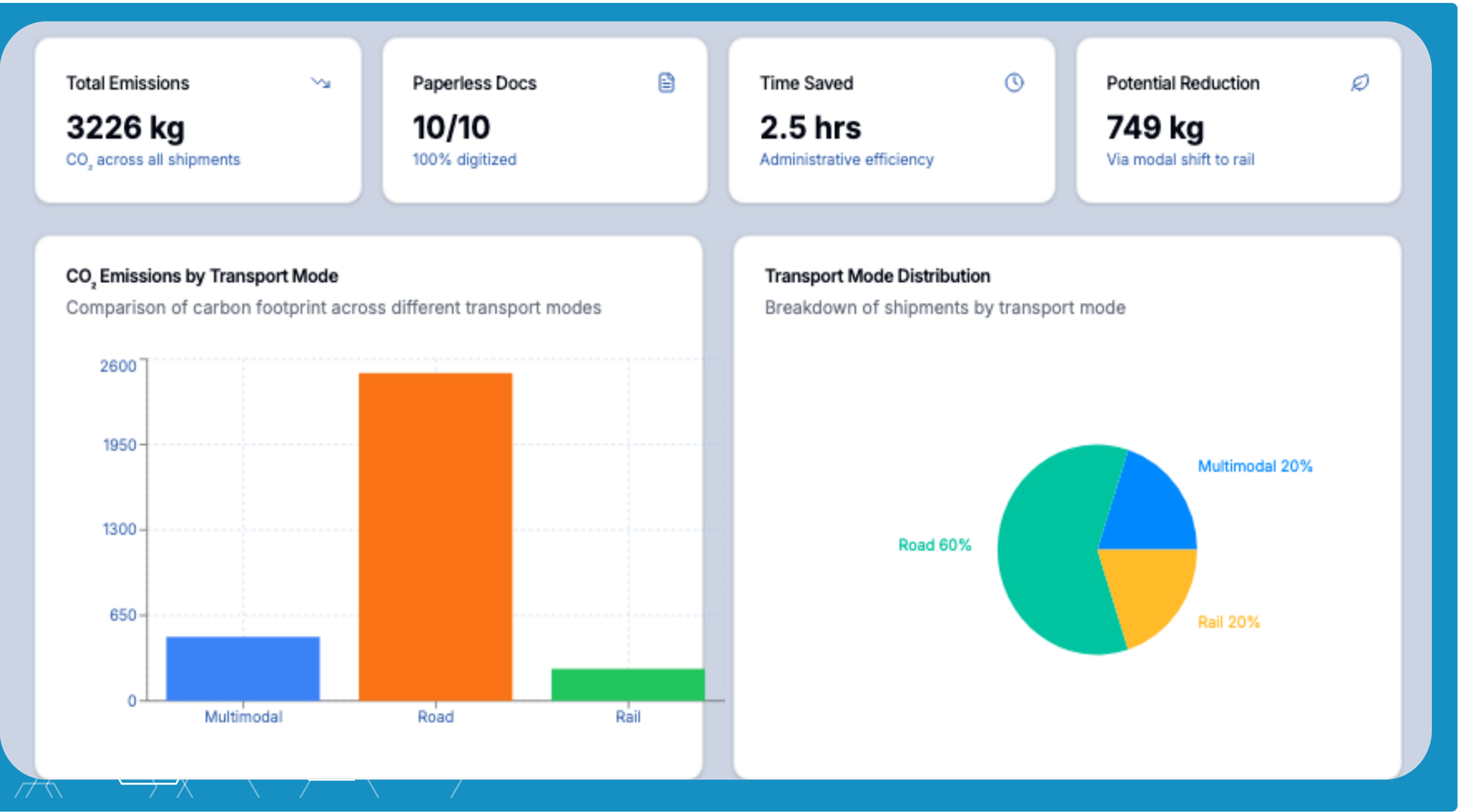
Sustainability Intelligence



Statistical Dashboards

B2B & B2A Scalable Architecture

Automated Sustainability Reporting

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Contact Us for a Free Demo

https://www.greentwin.space/

Violeta: vdb@greentwin.at

Office: office@greentwin.at

https://www.linkedin.com/company/greentwin-gmbh/



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