



GreenTwin GmbH
get resilient and circular

Advanced Collaborative Platforms & Services

Industry 5.0 CoP meeting: Session on platforms and tools
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Specializing in:

➤ **Digital Collaborative Platforms**

➤ **Resilience & Sustainability Services**

➤ **AI & Earth Observation-based Intelligence**

➤ **Digital Product Passport**

ping

with ESG ontology concepts for automated ESRS reporting

→ `esgont:TransportActivity`
ESGOnt Concept

→ **E1-6: Scope 3 emissions**
ESRS Disclosure

→ `esgont:GreenhouseGasEmission`
ESGOnt Concept

→ **E1-4: GHG emissions**
ESRS Disclosure

→ `esgont:TransportMeans`
ESGOnt Concept

→ **E1-5: Energy consumption**
ESRS Disclosure

→ `esgont:ResourceEfficiency`
ESGOnt Concept

→ **E5-4: Resource use**
ESRS Disclosure

Preview

between eFTI data and ESG concepts

Consignment #001

`esgont:TransportActivity`

mission

Get Started

a integration

Semantic Query Results

Automated reasoning over ESG-enriched logistic

Find all transport activities with em
CO₂

Result:

Reasoning: Semantic inference via `esgont:TransportActivity`

Calculate Scope 3 emissions for logis

Result:

Reasoning: Aggregated via `esgont:GreenhouseGasEmission`

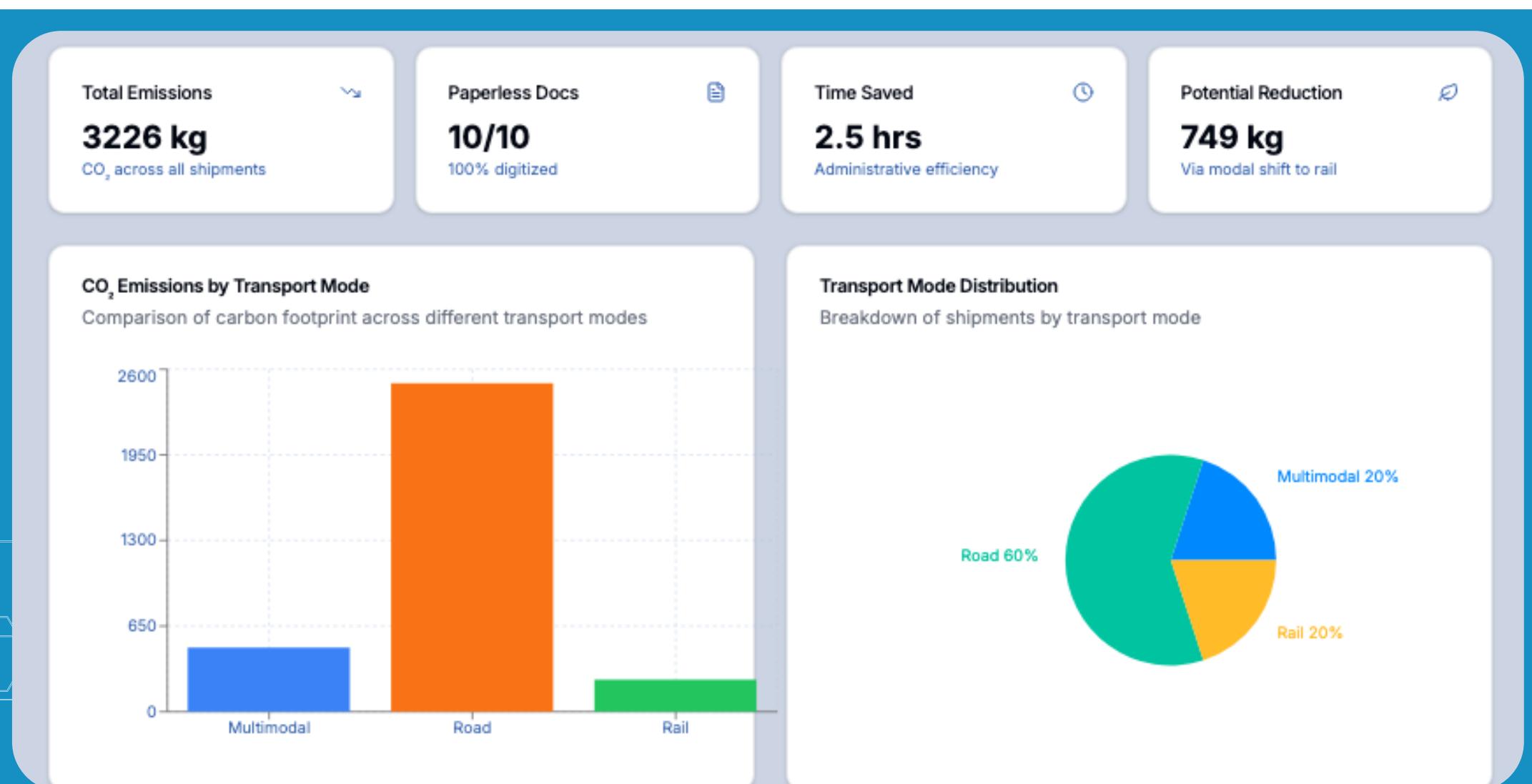
Identify ESRS E1 disclosure requireme

Result:

Reasoning: Mapped through ESGOnt → ESRS alignment



Sustainability Intelligence



User-Friendly Dashboards

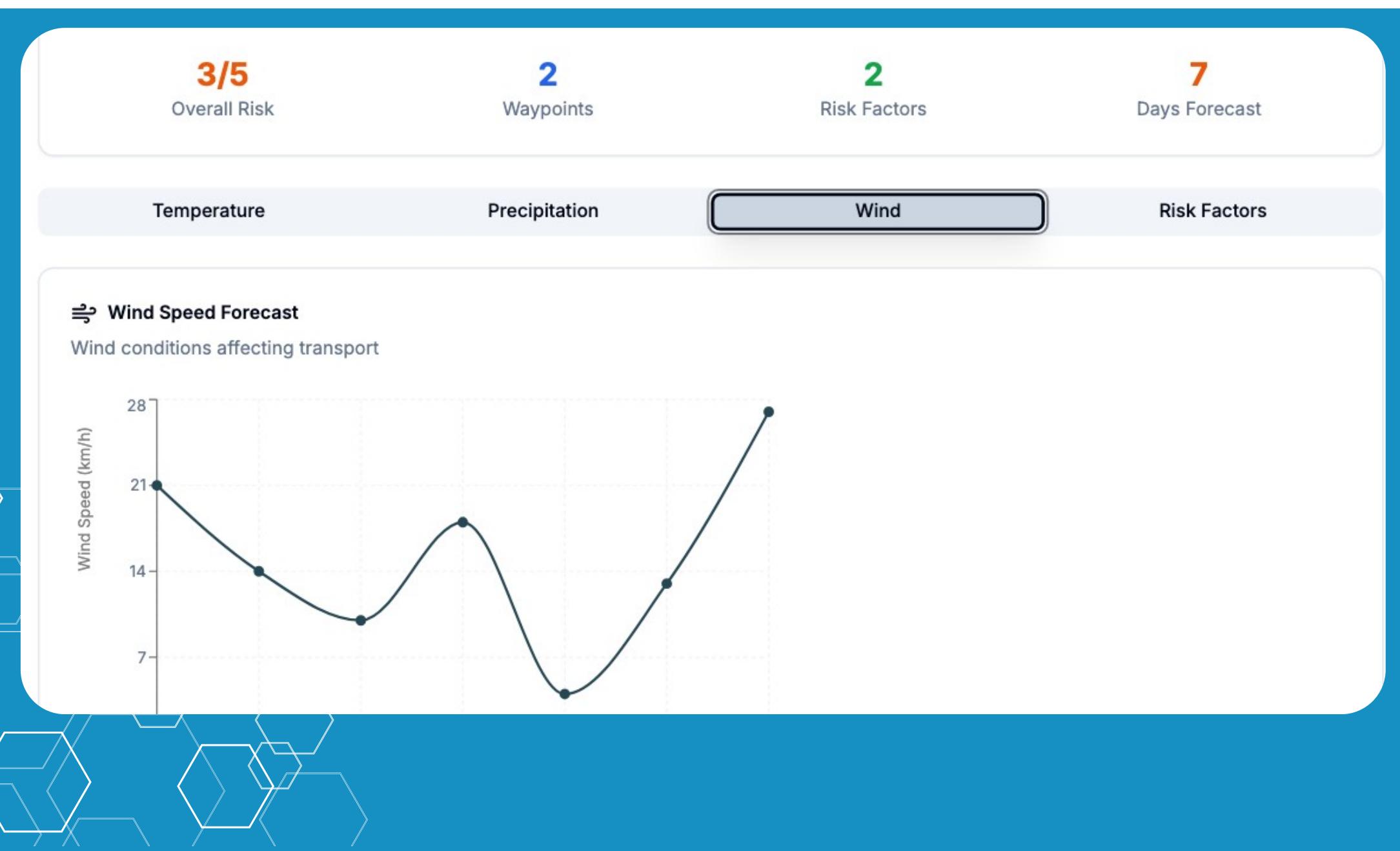
B2B & B2A Scalable Architecture

Automated Sustainability Reporting





Earth Observation Apps



Earth Observation Analytics

Automated Risk Monitoring

Space Data Economy





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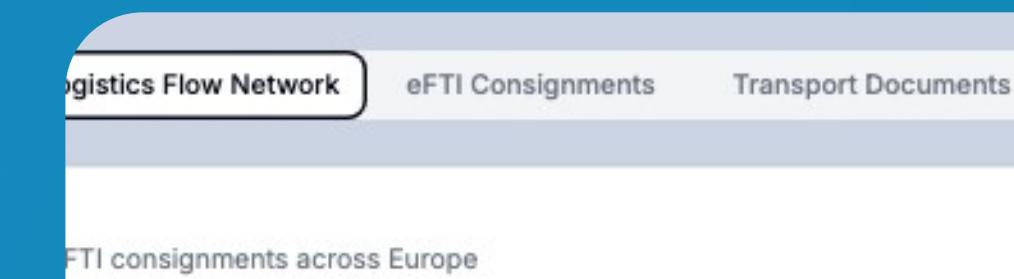
Our Role in ResC4EU

► **ResC4EU Platform Design & Implementation**

► **Platform services for 14 industrial sectors**

► **Deployment of 4 industrial demonstrators**

► **Join: <https://resc4eu.greentwin.app/>**



ResC4EU Home Featured offerings Company dashboard Play dashboard

Company Dashboard

View Storefront

View how your company appears to others

Supply Chain Network Overview

Geographic overview of your supply chain network - GreenTwin GmbH

This is a preview of your supply chain network. To add, edit or remove suppliers, please use the [Supply Chain Network](#) section.

Your Company Suppliers Supply Lines

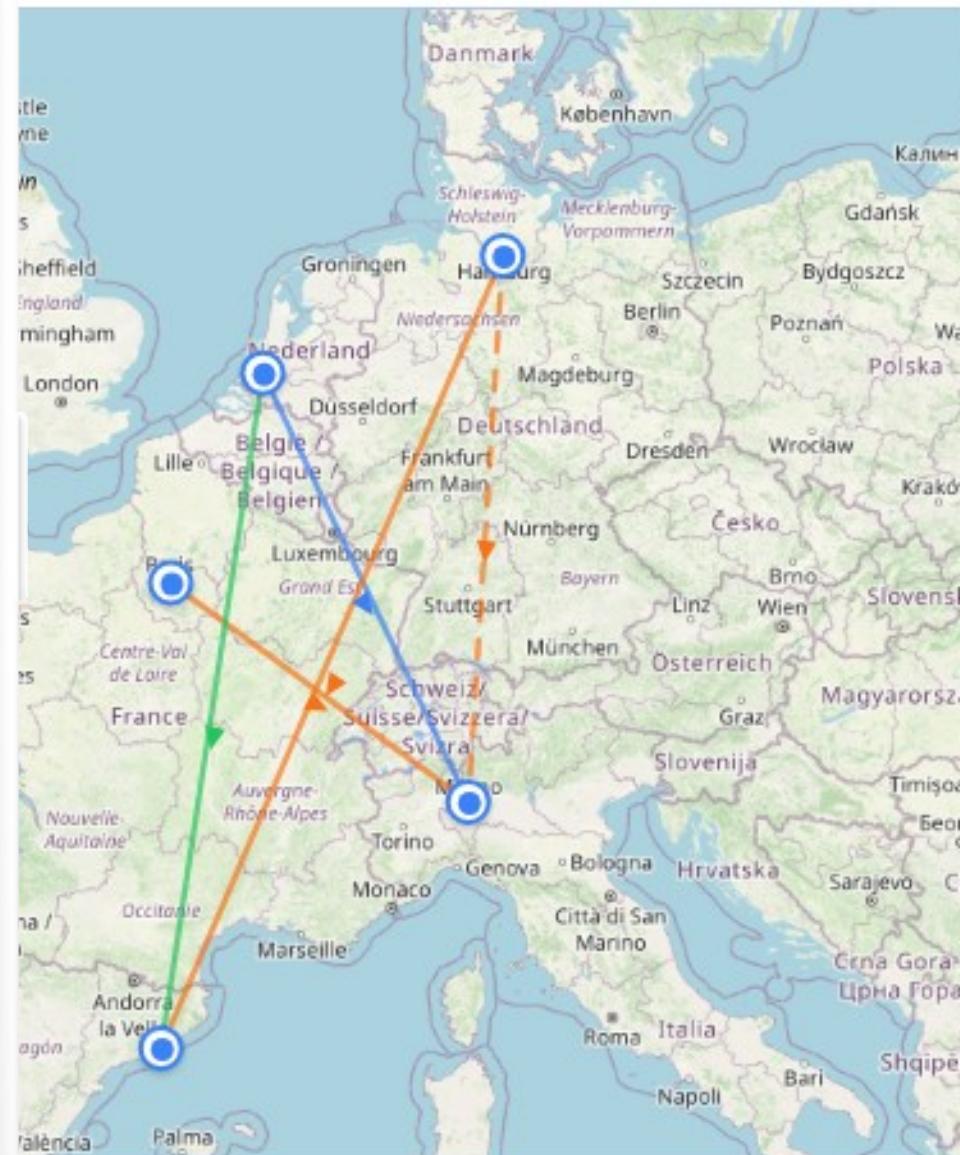
Network Stats

- Your Company is Located
- 2 Suppliers
- 2 Mapped (with geo coordinates)
- 2 Connections

Get Started

Supply Chain Partners

GreenTwin GmbH (You)
Munderfing, Austria





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Automated Matchmaking for Supply Chain Resilience

The screenshot shows the GreenTwin platform's user interface for automated matchmaking. At the top, there are four status boxes: 'Profile Status Ready For Matchmaking' (green checkmark), 'Available Matches 3' (blue person icon), 'Starred Matches 2' (orange star icon), and 'Pending Negotiations 0' (purple speech bubble icon). Below these are navigation tabs: 'Progress' (disabled), 'Partnership Matches 3' (selected, highlighted in yellow), 'Starred Matches 2' (disabled), and 'Negotiations' (disabled). A 'Refresh' button is also present. The main content area starts with a section for 'Partnership Opportunities' (3 matches) with a sub-section for '3 Matchmaking Partnership Opportunities' (Traditional companies that need our digital solutions and match our profile). It includes a 'NA Values Excluded' button. Below this is a detailed company profile for 'GreenTest':

- GreenTest** (blue lightning bolt icon)
- Location: Munderfing, Austria
- Website: [Website](#)
- Excellent Match** (95%)
- Compatibility Breakdown**: 4 matching areas
- Digital Solutions We Can Provide**

On the left side of the interface, there is a decorative hexagonal pattern.

Collaborative Dashboards

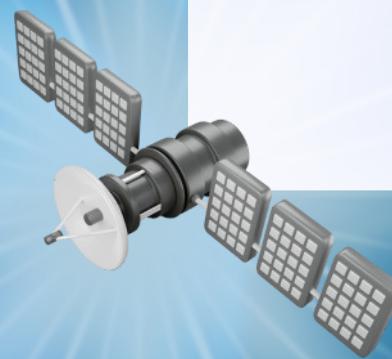
Secure Data Exchange

Identifying Alternative Suppliers





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Contact Us for a Free Demo



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