

Upstream

by Elia Group

A Supply Chain Tracking and Reporting Platform

November 2026

Our solution

Upstream is the one-stop shop for tracking and steering the decarbonization, risks and supply chain related CSRD reporting

Platform for Supply-Chain tracking, CSRD reporting* and Green Procurement

- Tracking the decarbonization of your supply chain in real-time
- Full integration into your SAP system
- Proven methodology for carbon pricing in Public Procurement (EU tender conform)
- The highest data quality standards of CSRD reporting across your supply chain
- No need to contract external expertise to build up data templates
- Full transparency to all parties enhancing supplier engagement and common targets

* ESRS E1-6, E5-4, E4-5

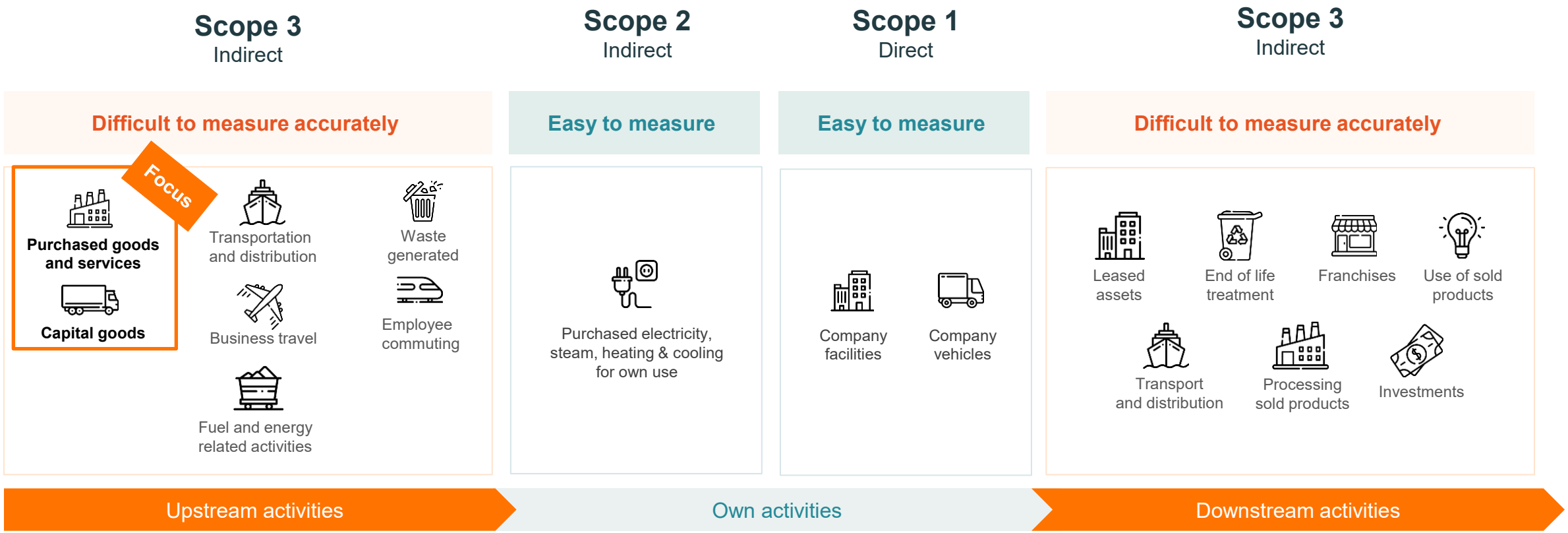
Context

Utilities need to look closer at their supply chain for a number of reasons

Risk	Legal	Financial	Society	Employees
				
Supply chain risk assessment is critical and needs good data	Regulations like CSRD[1] make supply chain tracking a necessity	Investors expect to see results on SBTi[2] scope 3 emissions	Increasing consumer demand for actions by corporates and public services	Staff expects purpose-driven companies, remaining attractive for young talents

1) CSRD = Corporate Sustainability Reporting Directive | 2) SBTi = Science Based Targets initiative

Scope 3 upstream emissions – Purchased goods and services & capital goods are particularly important for utilities but difficult to measure



Challenges in Scope 3 Accounting

Major challenges exist in data collection, data integration, and data analysis on the journey towards decarbonization and beyond

Data collection

Spend based averages

Need to comply with CSRD regulations

Overwhelming process to determine areas for primary data collection

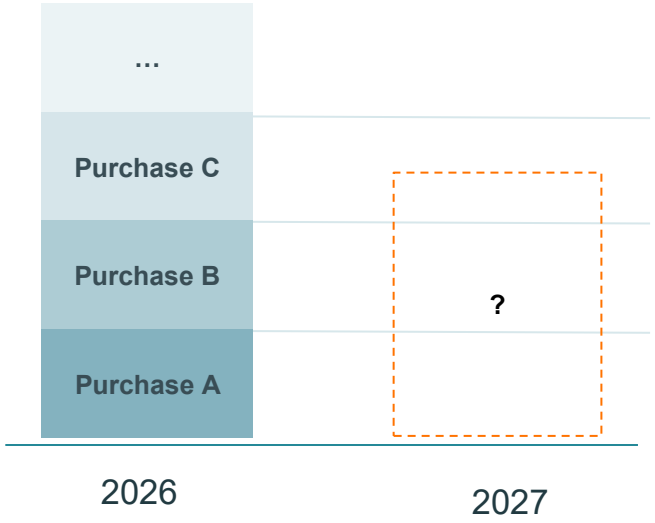
Primary data from suppliers

Challenge to identify information to request from supplier

Data integration

Missing data system integration & exchange options.

Data analysis

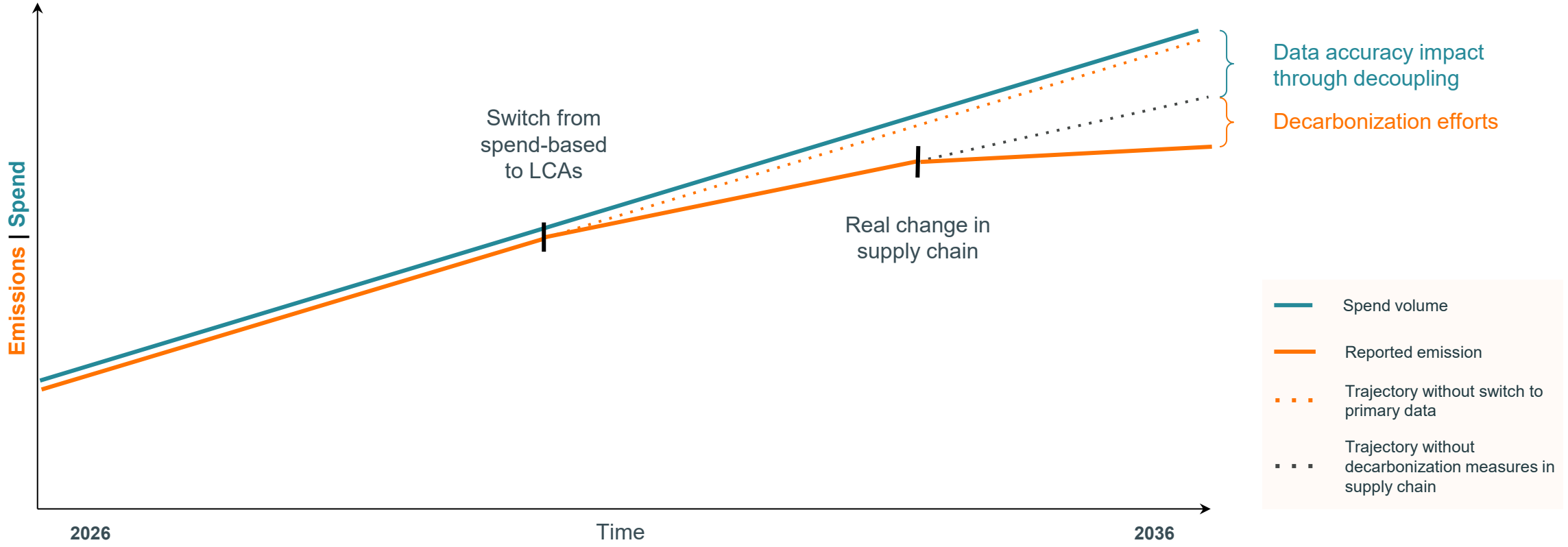


Missing tools & know-how to make data-driven decisions for decarbonization and beyond GHG reductions

Emissions in the context of large investments for the Energy Transition

Showing the ROI of decarbonization efforts requires decoupling emission-data from spend-data

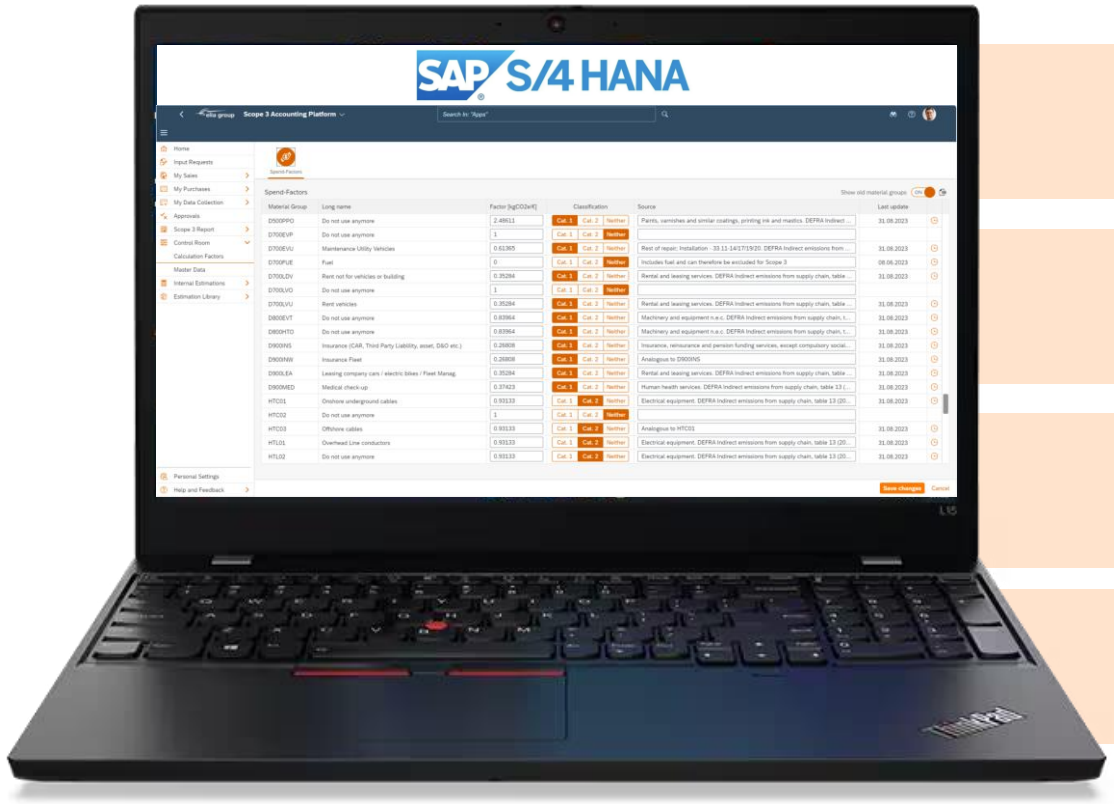
High investment ≠ high emissions over time ➡ Key limitation of spend-based accounting.



Our solution

S/4Hana-integrated emission accounting combines procurement data with LCA data from different sources

Spend based accounting in S/4Hana



Benefits of Upstream integration into S/4Hana

Fully compliant and auditable
Basic fulfilment of CSRD requirements

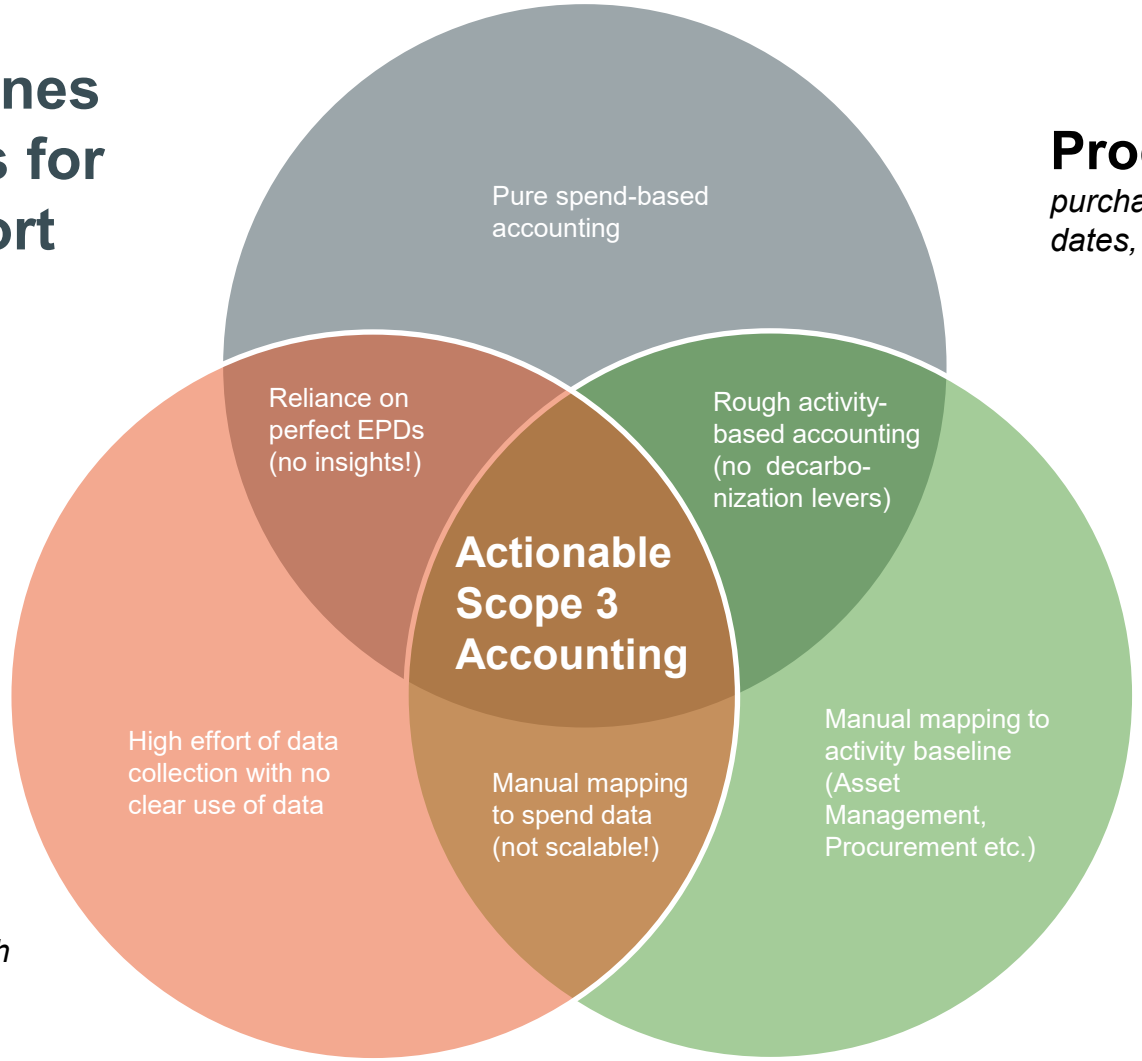
Real-time data
Live data through ERP integration

Analytics
Breakdowns by suppliers, project etc.

Future proof
Groundwork to enrich with better data

Our solution

Upstream combines three data pillars for its Scope 3 Report



Procurement data

purchase orders, articles, quantities, invoicing dates, currencies etc. in SAP S/4HANA

Supply chain data

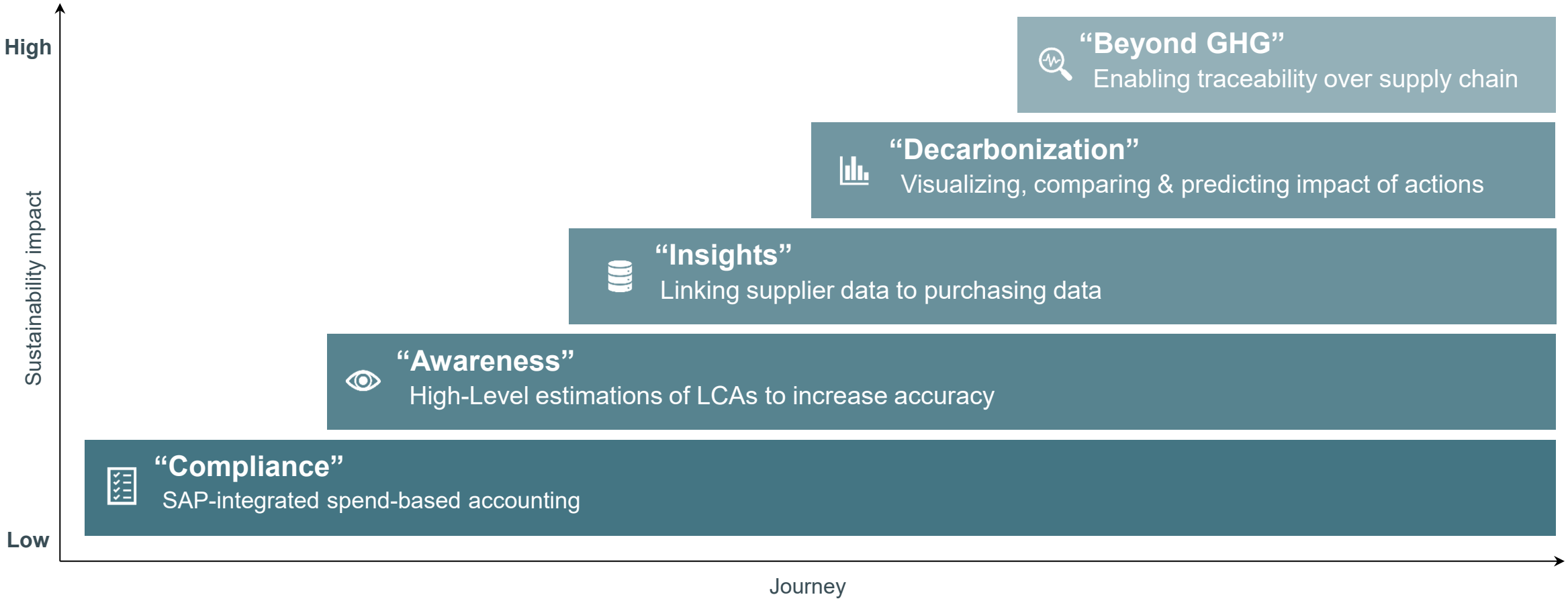
requested from suppliers through questionnaires

Emission Factors

centrally maintained, updated and accessible to all users

Our solution

Upstream supports companies regardless of the phase they are in towards decarbonisation and beyond



Our services

Our offer consists of four core pillars to ensure a smooth onboarding and operation of Upstream

	one-off	continuous operation & services		
	Technical implementation	**Software subscription**	**Carbon Accounting know-how**	**On-demand consulting services**
Our services	– Connection to client's S4/HANA system – Connection to client's identity provider – BTP process automation	– Use of Upstream through multi-tenancy hosting on SAP BTP – Automatic updates and new functionalities – Technical documentation – End-user documentation	Full access to Elia Group's proprietary system to calculate estimations from suppliers: – Data collection templates – Calculation formulas – Emission factor library – Template-specific instructions – Necessary assumptions – Cut-off criteria	– Practical application of carbon footprint as criterion in public Procurement – Additional templates or emission factors for client-specific needs – Additional Trainings
Impact	✓ Fully functioning platform integrated in existing S4/HANA system	✓ Access to latest updates and services	✓ Everything you need to start data collection and decarbonization	✓ Fast track to full spend-coverage and Sustainable Procurement

Our unique solution

Six selected features distinguish Upstream from alternative approaches and offer a cost-effective solution for your needs

Primary data	Collection and management of primary data allows detailed analysis, strategy and scenario building and allows reporting on other dimensions (e.g. ESRS E1-6)	**Real-time purchasing data**	Real-time interface with purchasing record allows for continuous monitoring of data to move away from snapshot reporting to proactive “carbon controlling”
LCA experience and templates	The built-in LCA tool allows for fair and objective comparison of products and services independent of supplier assumptions and maturity levels	**Industry experience**	Proven concepts tested by Elia Group, tailored to the infrastructure sector. We are striving for alignment among European partners.
ERP integration	Connecting to SAP S4/HANA prevents doubling of master data and allows for custom analysis (e. g. break-down by project for Permitting)	**Eased supplier management**	Long experience in implementing Carbon Pricing with suppliers is already built into processes and our software (buyer vs. supplier needs, legal boundaries)

Alternative to *Upstream* by Elia Group

Build necessary knowledge through long trial and error phase internally or with external help	Maintain supplier input and data exchange formats on Sharepoint or similar databases	Research emission factors and pay license fees for access to specialized databases	Maintain several linked Excel tools with purchasing and supplier data	Tweak standard software (often manufacturing-oriented) to your specific needs

Our team

The Upstream team has extensive experience in implementing sustainability strategies in utilities companies and is available to support you

Our story

Upstream started in 2022 as an in-house development at Elia Group as a way to address the challenges of meaningful Scope 3 accounting. Conventional solutions on the market did not offer the capabilities providers of public infrastructure need to steer carbonization with real supplier data.
We believe that we have built a strong solution which we love to share with other companies. In 2025, we listed Upstream on the SAP Store and Our solution can be used by any company running SAP S/4HANA.

Elia Group
Through our subsidiaries in Belgium and Germany almost 20,000 km of high-voltage connections, meaning that we are one of Europe's top 5 transmission system operators.
We provide society with a robust power grid, which is important for socio-economic prosperity. We also aspire to be a catalyst for a successful energy transition, helping to establish a reliable, sustainable and affordable energy system.

Upstream at work: 3 European TSOs



- Elia Transmission Belgium
- 50Hertz Tranmission (East Germany)
- An EU-based third TSO

Upstream is **fully owned by Elia Group,** who is supported by

Flexso
AMISTA
intys.
the value chain
Accelerate. Adapt. Act.

Winner of the **SAP Innovation Awards 2024**
Category: Innovation Titans

Contact

Is Upstream a fit for your company? Book a demo and find out!



Philipp von Normann
Product Owner



Daphné Chapellier
Customer Success



Joris Haepers
Tech Lead

Our Engagement team is always happy to talk to you. Reach out today!

Send us an email

Visit our website

Visit the SAP Store



“Only 42% of companies have visibility into their Tier-2 suppliers or beyond.”

McKinsey Supply Chain Risk Survey, 2025

Upstream

Autumn Update 2026

Upstream is constantly evolving, enabling you to collect more data and make the most of it!

Upstream as you know it

- Supplier Portal to collect Passports
- Templates for all common types of electrical equipment
- Compatibility and copying across all clients of Upstream
- Built-in LCA tool with full traceability
- Internal Estimations to bridge data gaps
- Real-time Scope 3 Report
- Real-time Raw Material Report
- Excel export of all data, incl. Passports

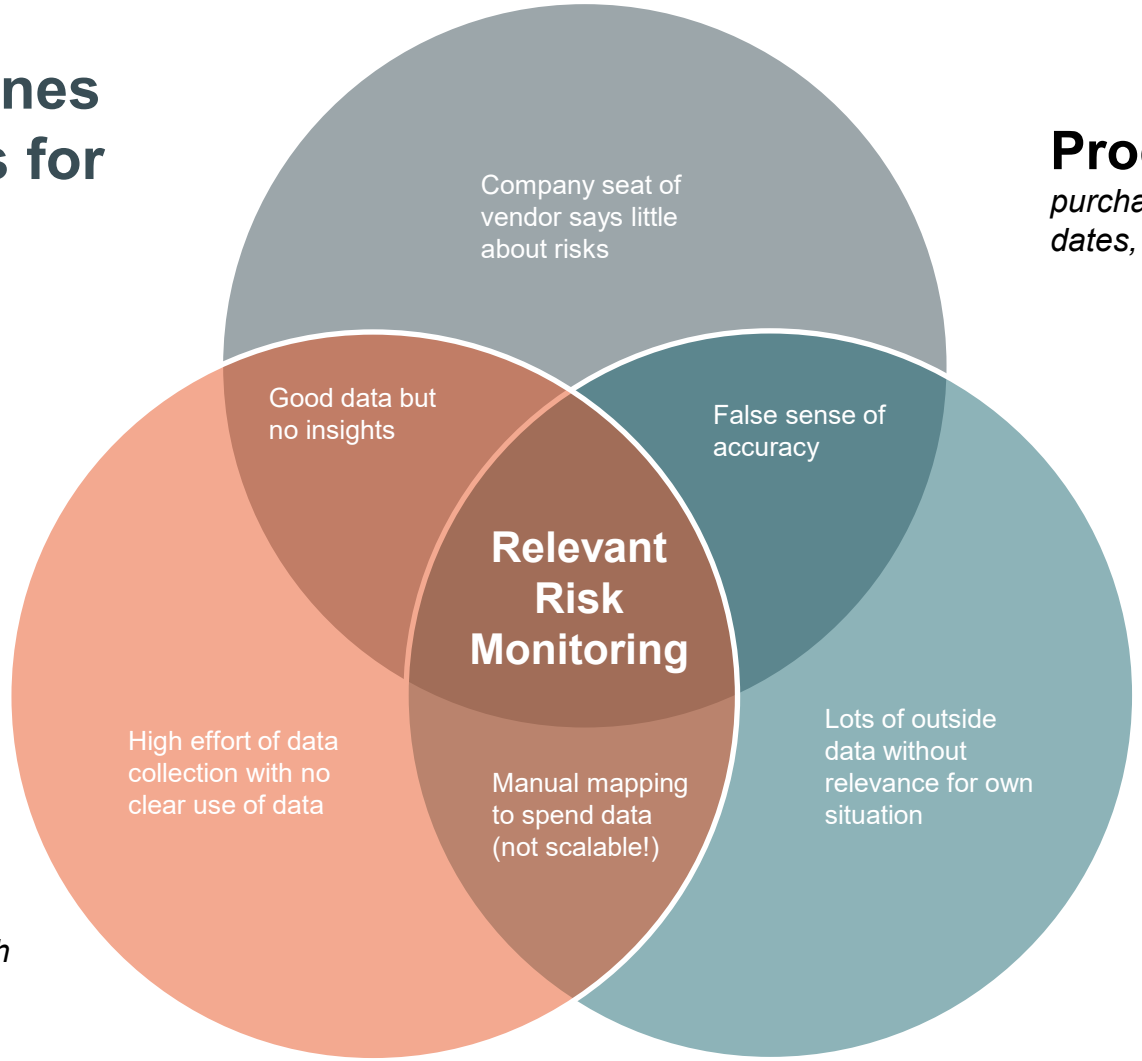
New features this autumn:

- Risk Monitoring
- Super-Passports
- Automatic Reporting

Coming in 2027:

- Templates for construction work
- Passport requests during RFPs
- And more… !

Upstream combines three data pillars for its Risk Monitor



Procurement data

purchase orders, articles, quantities, invoicing dates, currencies etc. in SAP S/4HANA

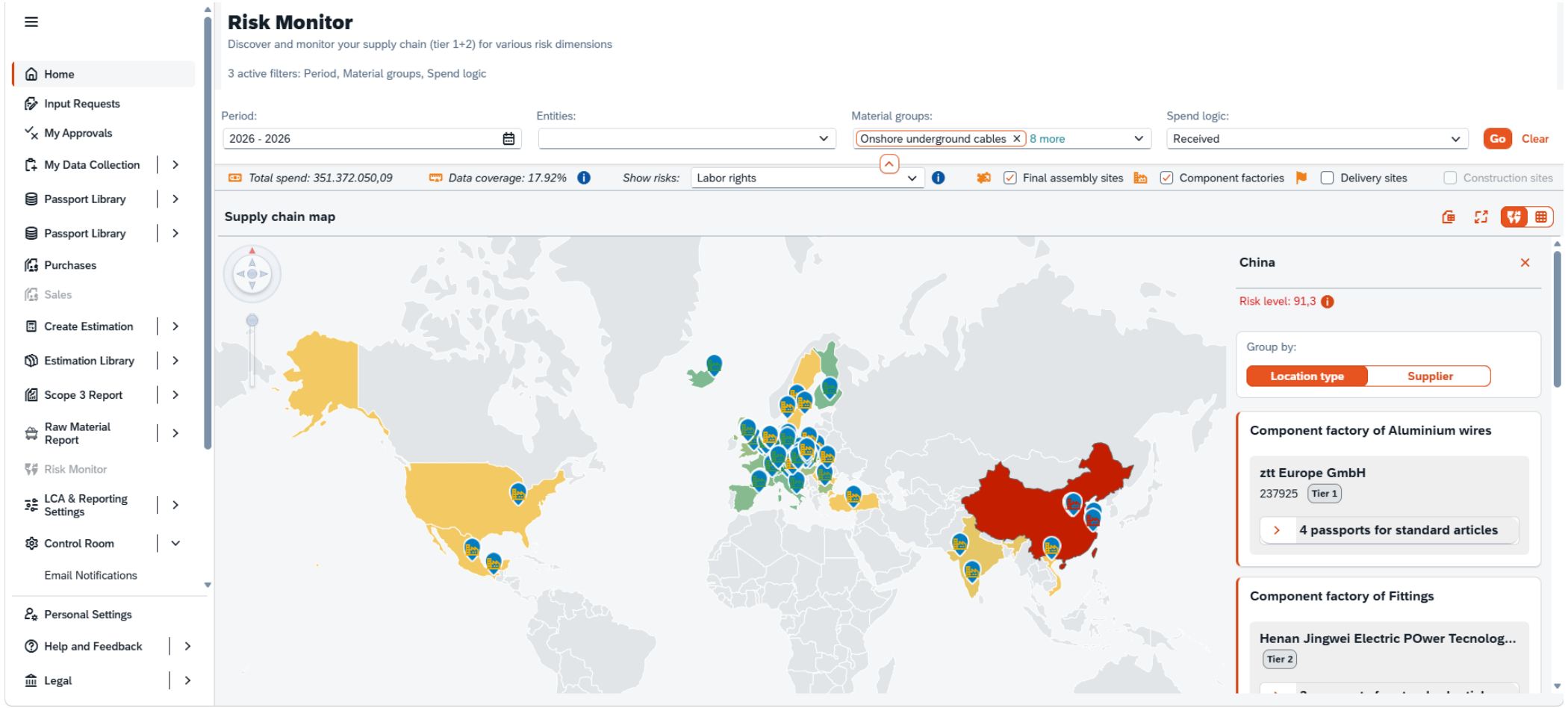
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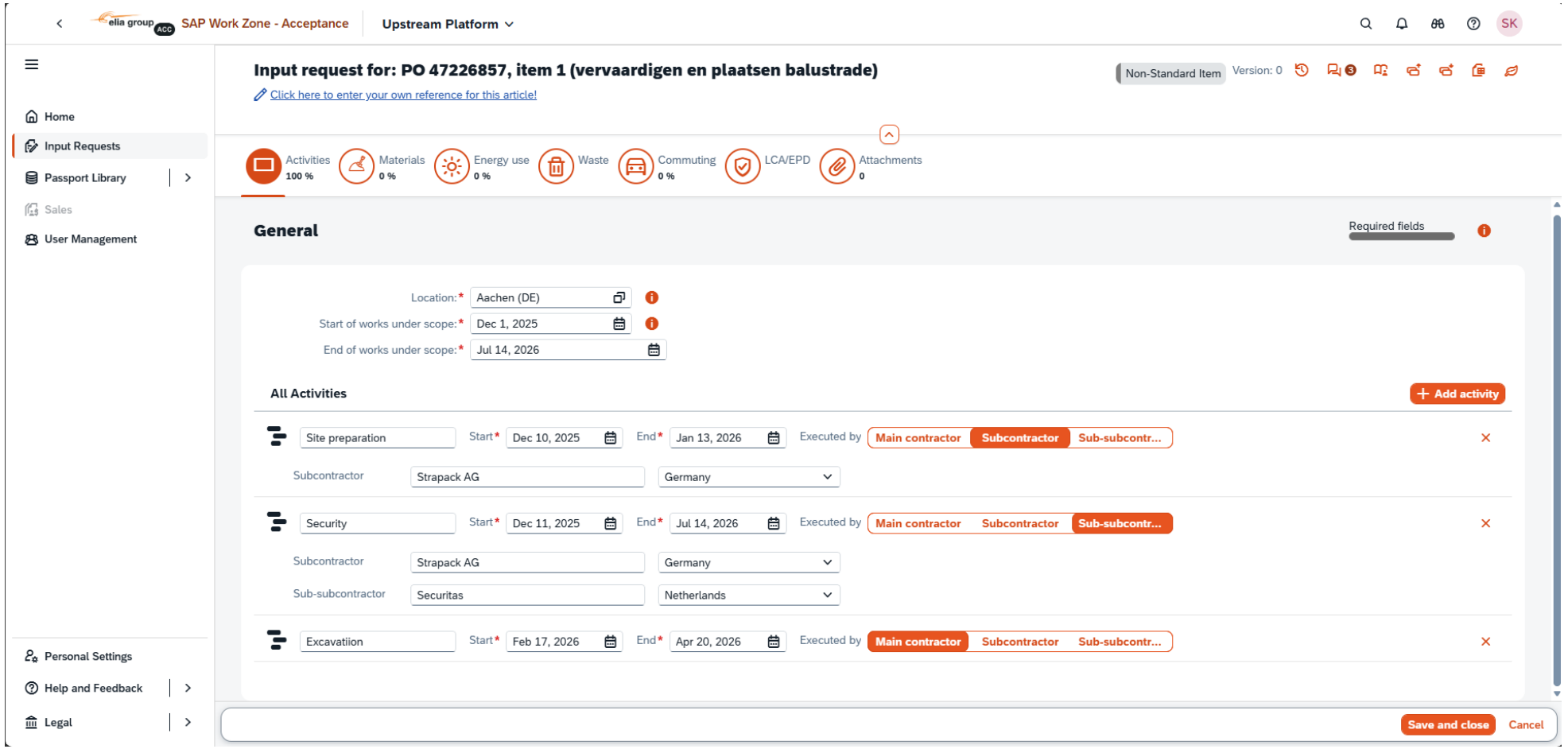
Risk Factors

centrally maintained, updated and accessible to all users

Leverage your passport data, dive into your supply chain and discover real, location-based risks

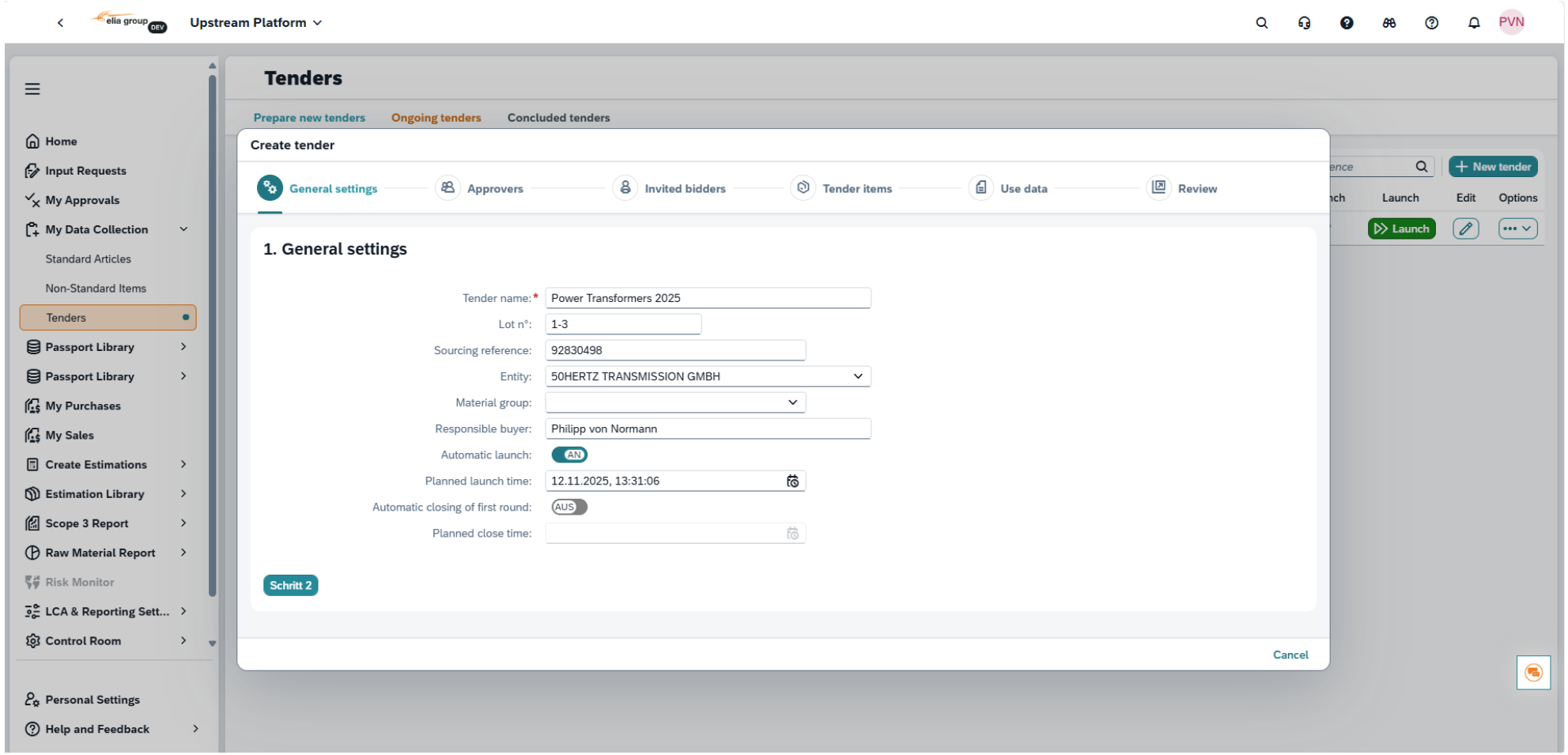


New templates on Upstream will allow you to track emissions and supply chain data on construction works



Passports in tenders

Integrate passport collection into your Procurement processes and let Upstream calculate the footprint of every bidder




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