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RFNBO certification "IRL": What Works, What Doesn't



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"Certified Green" will distinguish winners from losers in the renewable fuels space.

Price premiums

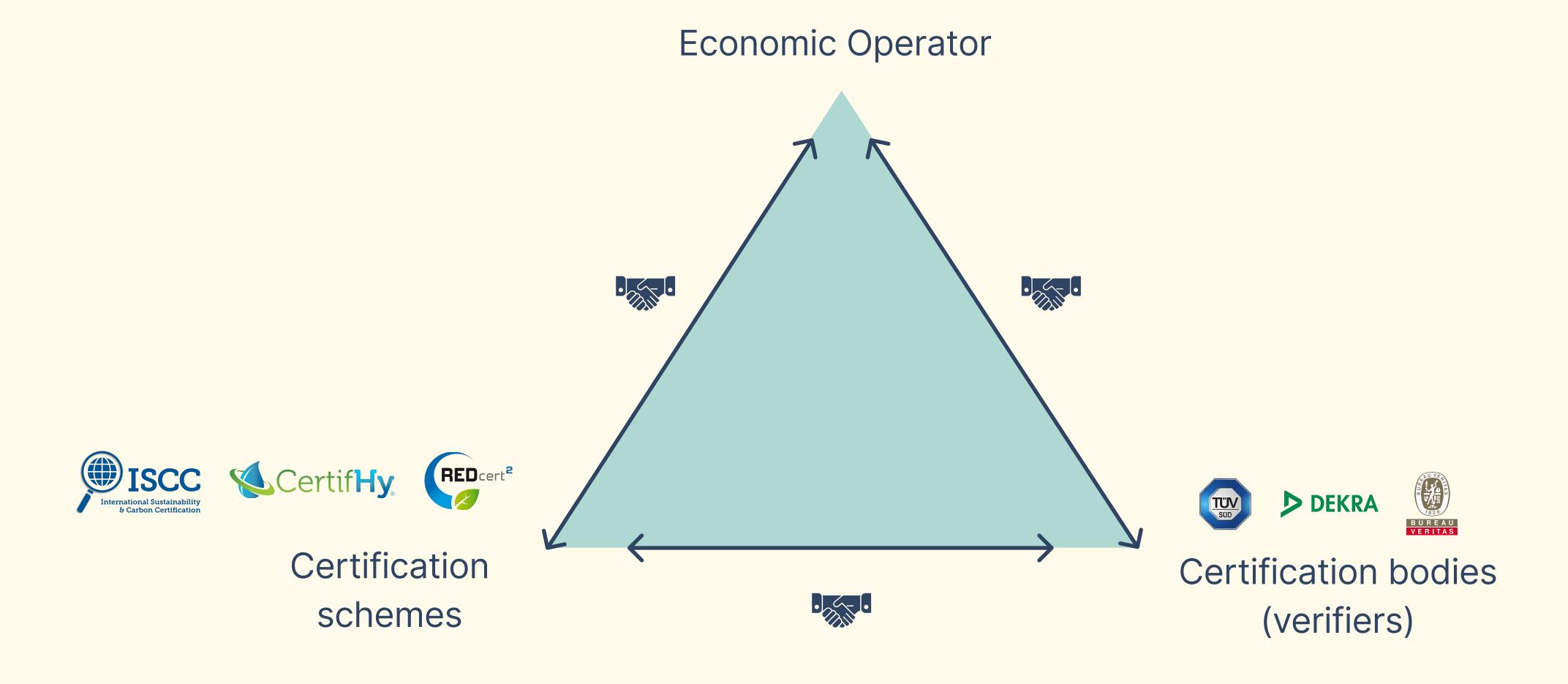
Subsidies

International trade

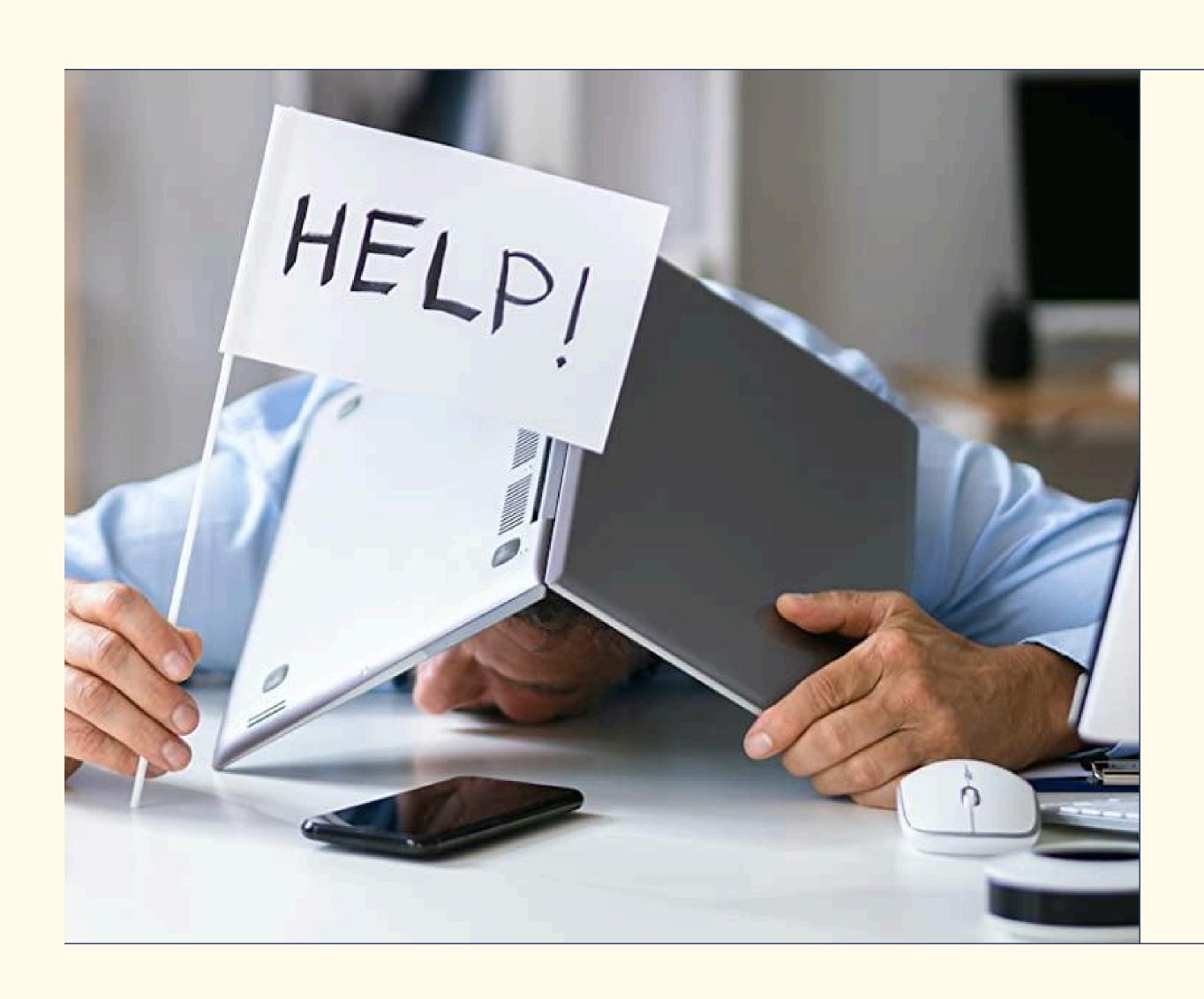




In principle, it's straightforward.







Today's compliance & certification processes can hardly scale to the extent required by complex & fast-changing regulation.

Manual

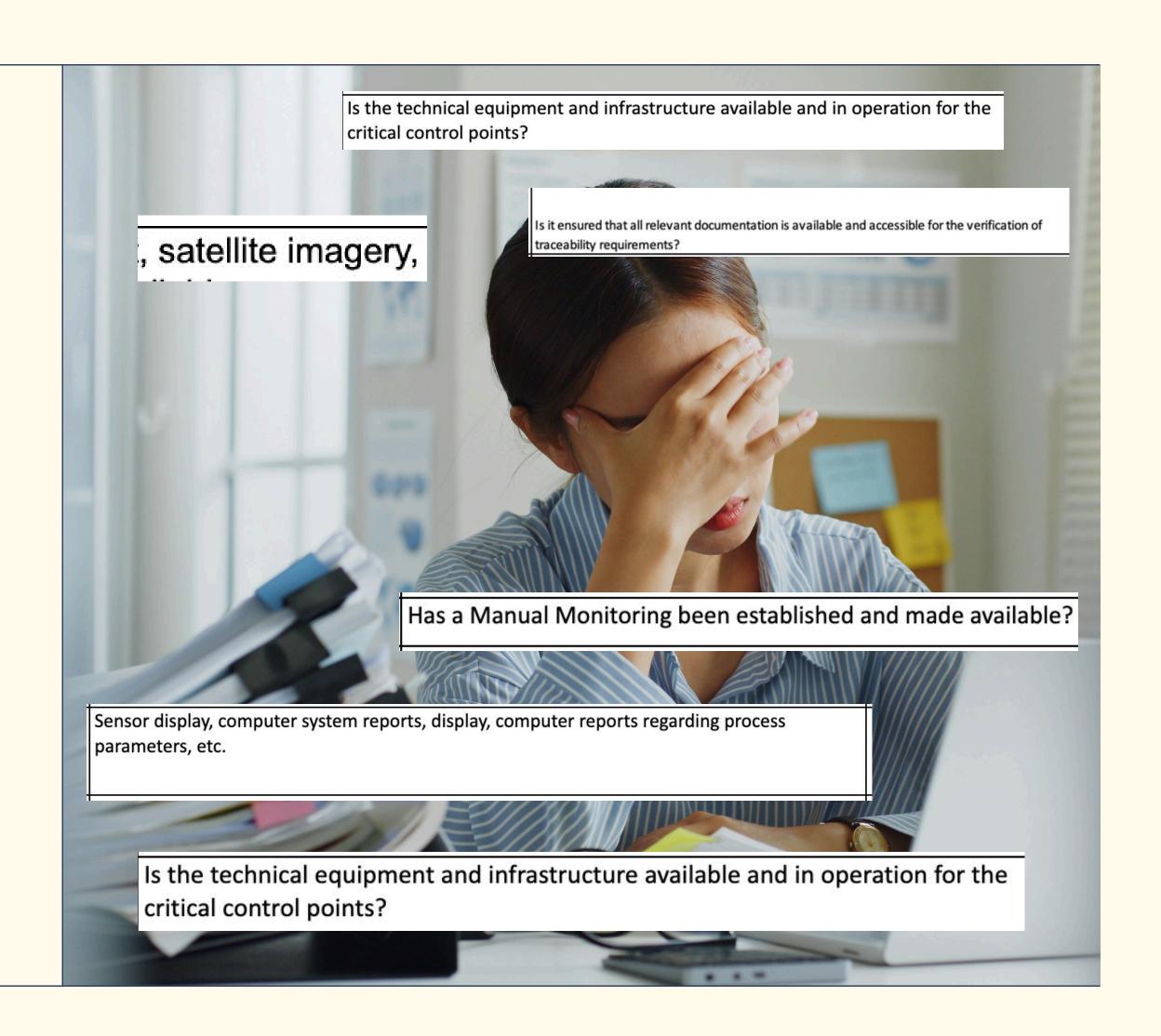
Tedious

Reliant on multiple stakeholders



Translating requirements from schemes alone takes weeks

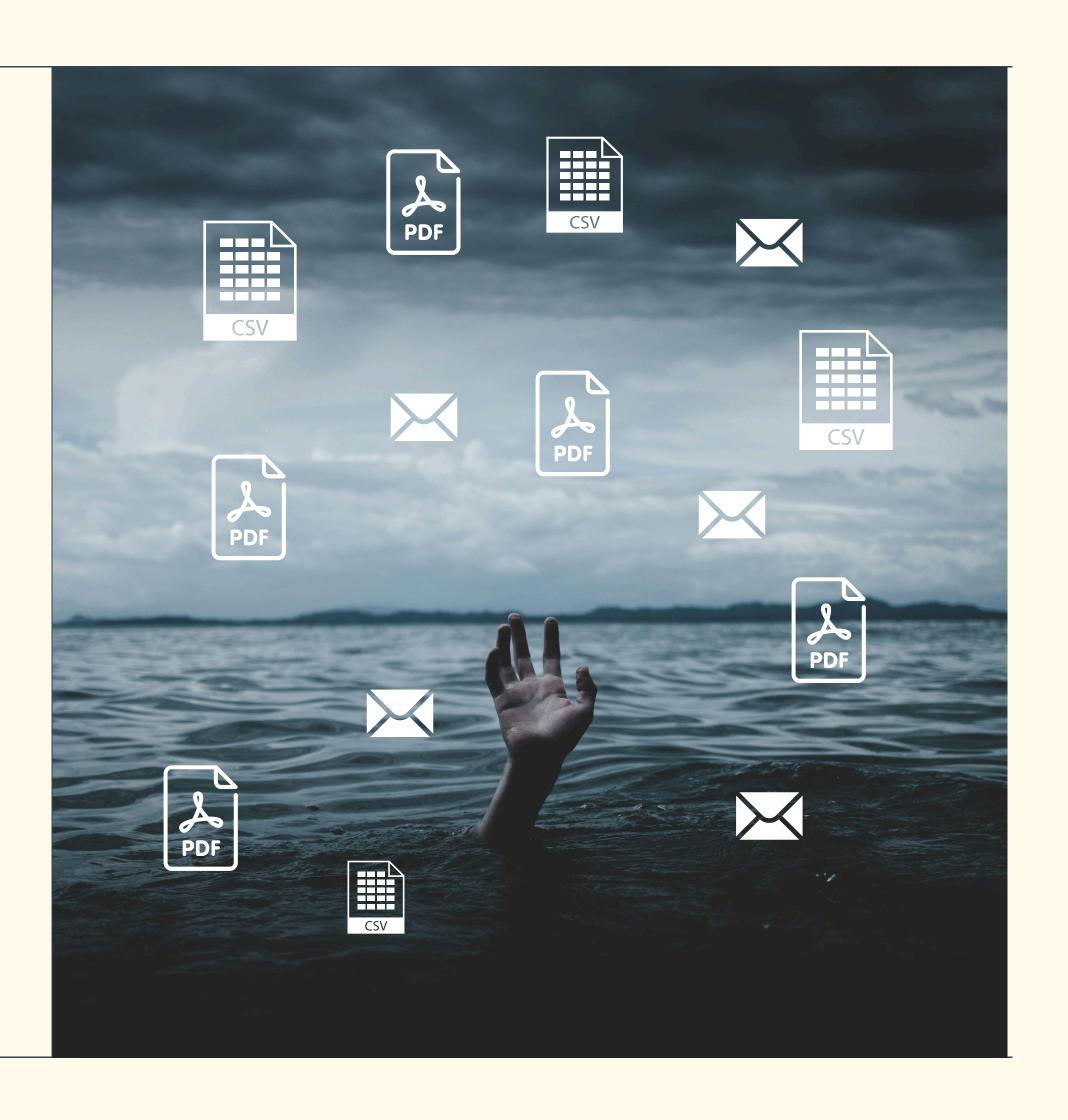
200+requirements



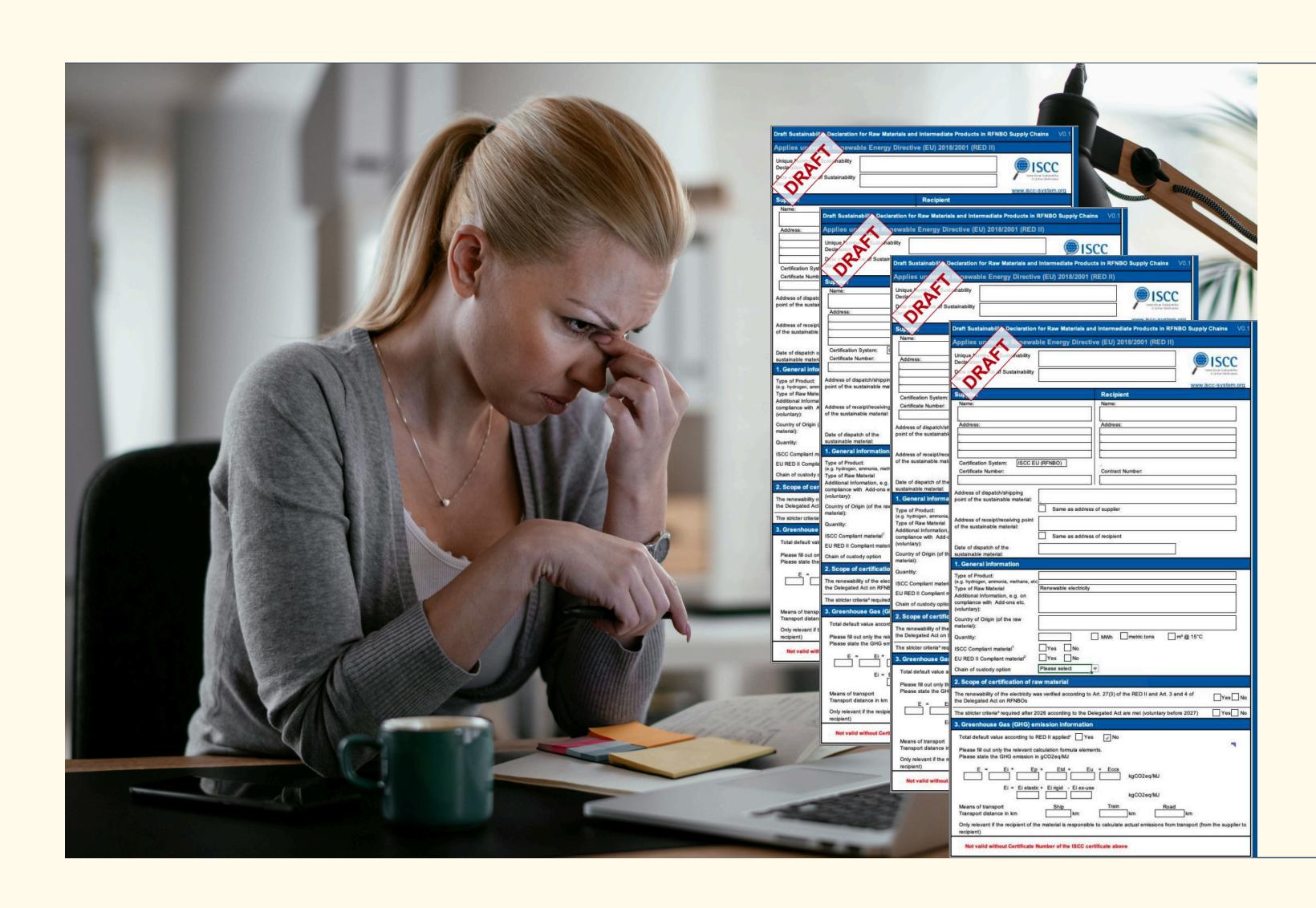


Data ingestion and processing requirements add complexity.

700000+
data points & files / site / year







Create sustainability claims for every.
product. batch.

GHG calculation

4 Eye principle

72h after delivery

Logistics



Transform thousands of evidences into auditable, verifiable claims.

Documentation

Reconciliation

Verification







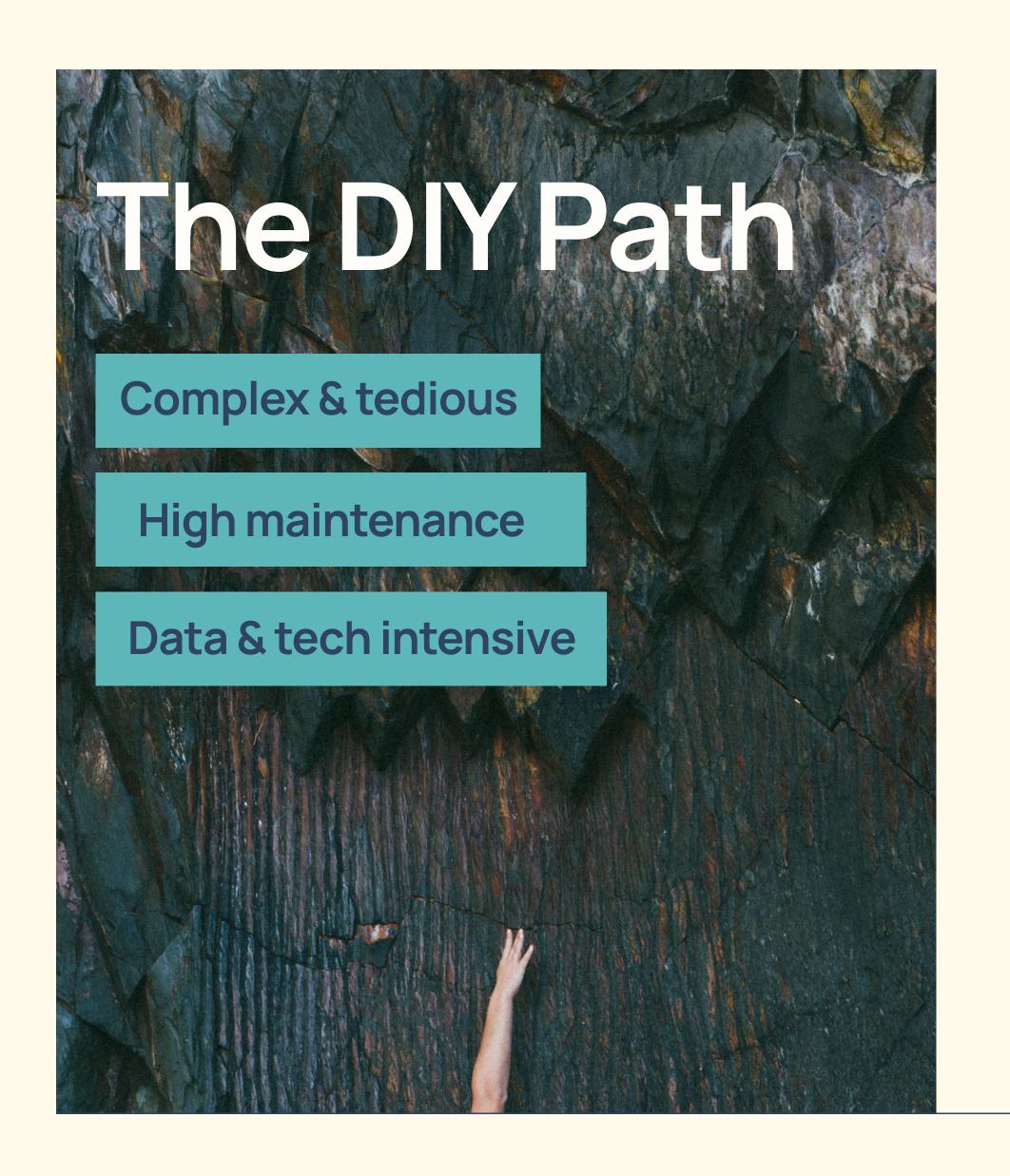
Building trust with offtakers, investors and subsidy agencies on "certifiability" is a success factor from day one.

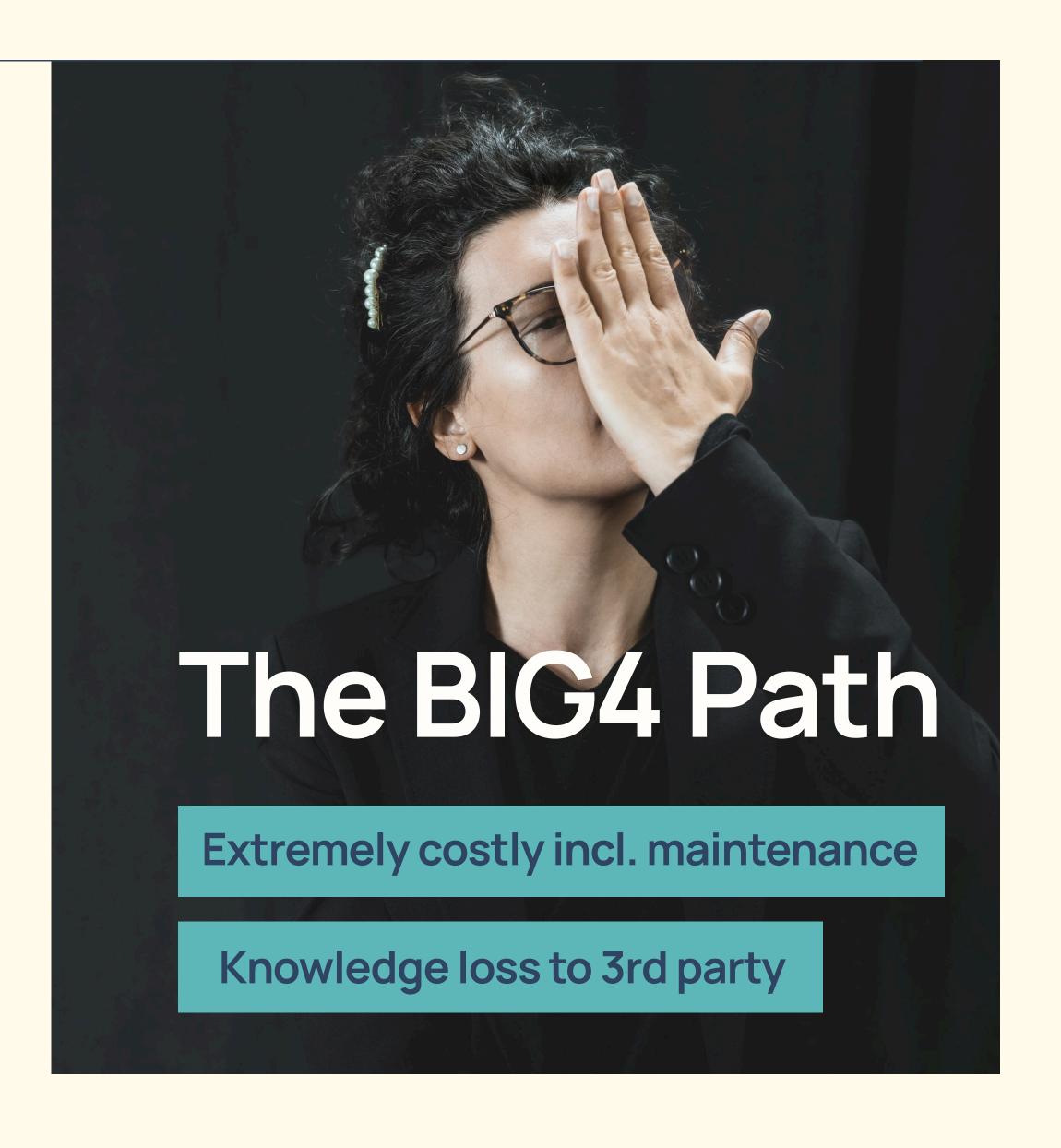
Compliance & Cl Modeling

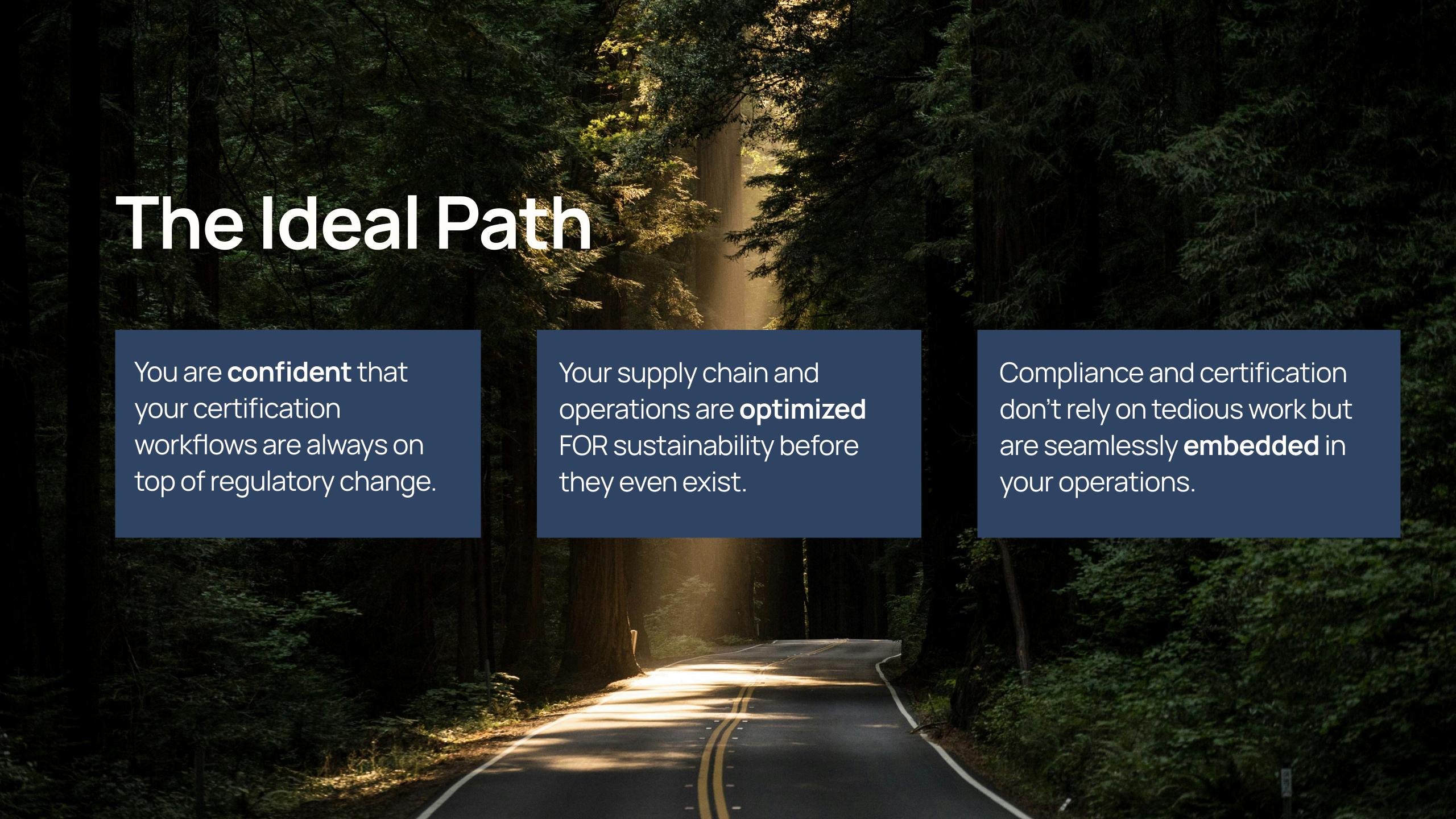
Power sourcing

Pre-certification



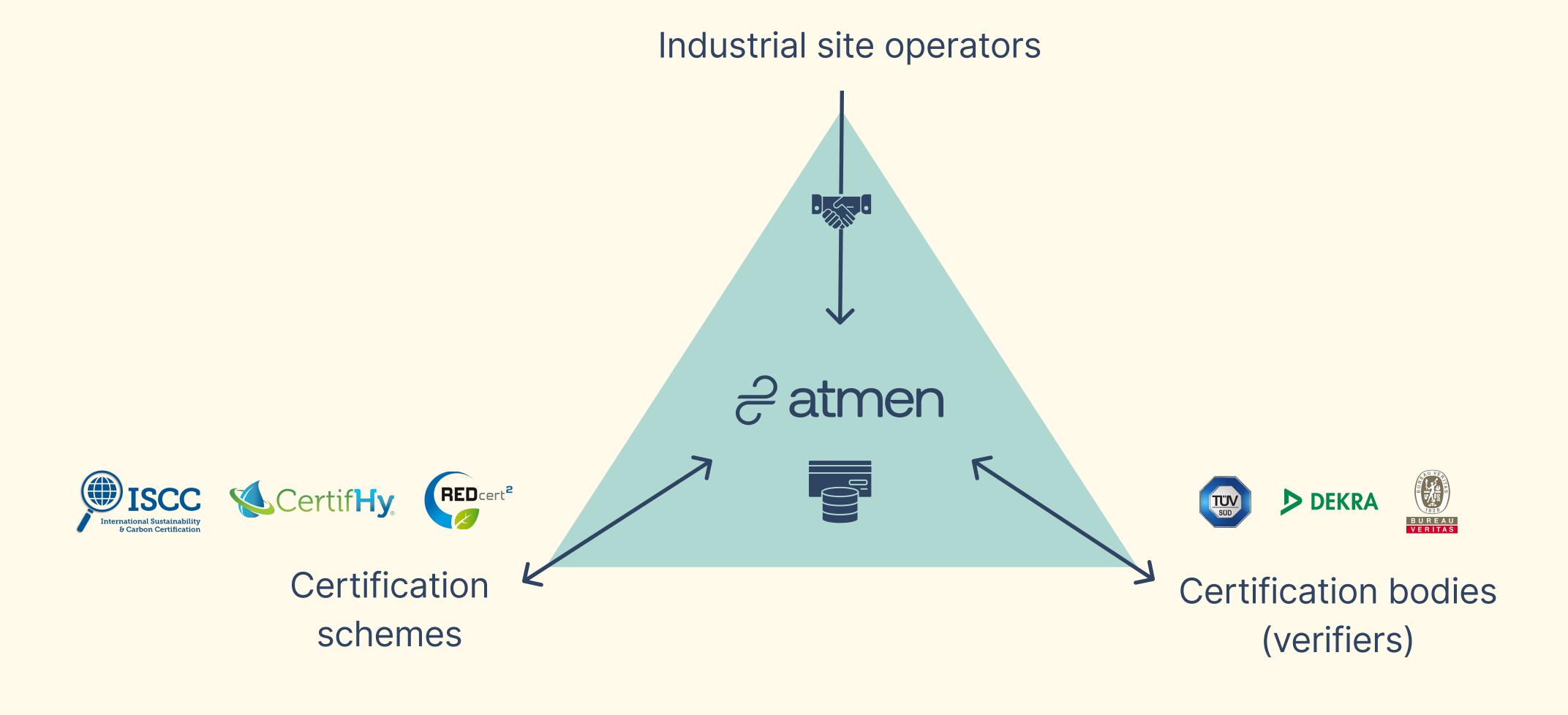








Atmen eliminates friction, provides scalability, enables optimization.





Atmen onboarded 19 supply chains across 9 countries

Compliance Modelling Tunisia Iceland France Hydrogen, Aviation Fuel, Hydrogen, Ammonia Hydrogen, Ammonia Methanol Morocco Spain Germany Hydrogen, Methane Hydrogen Hydrogen, Ammonia **United States** Belgium Algeria

Hydrogen, Ammonia

Power Procurement Optimisation

Germany
Hydrogen

Belgium
Hydrogen

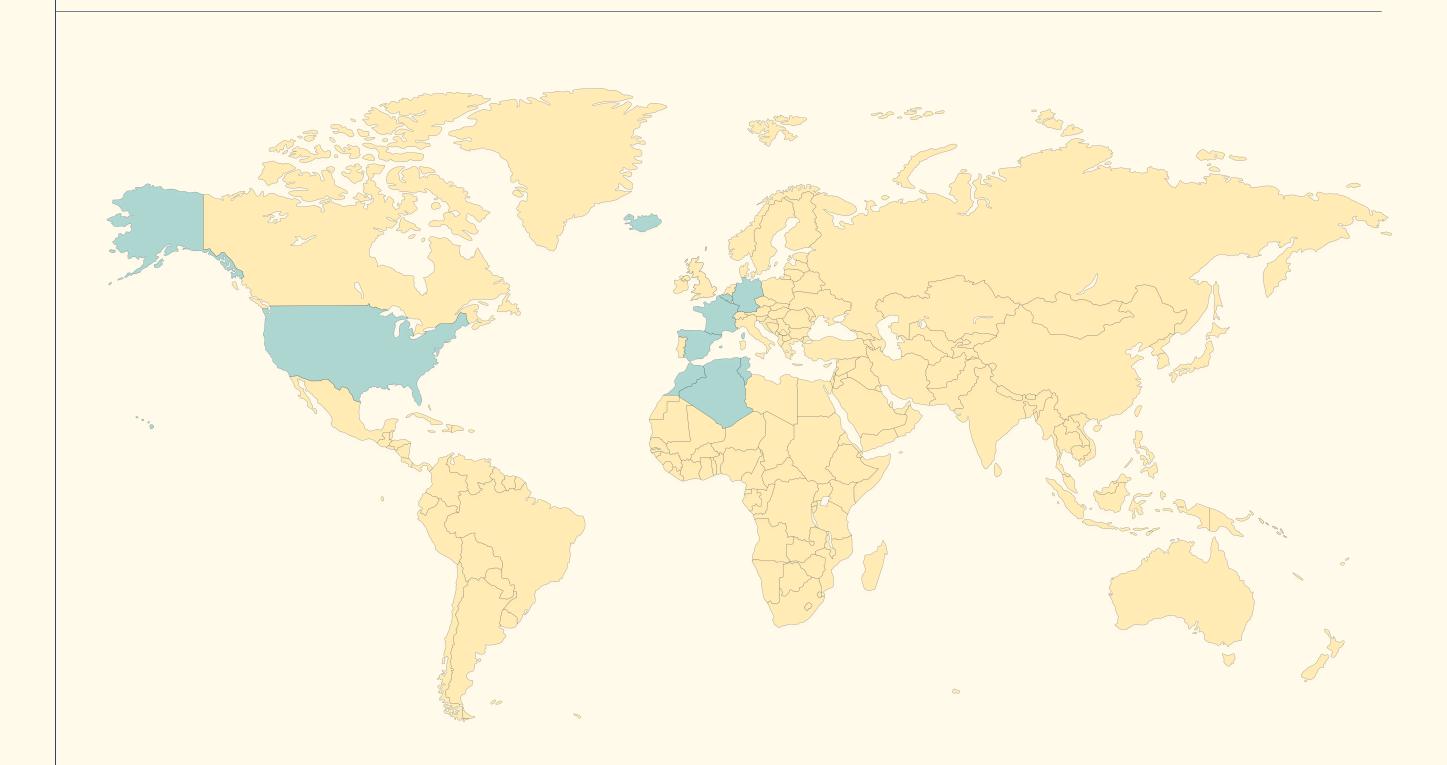
Hydrogen, Ammonia

France
Hydrogen

Spain
Hydrogen, Methane

Germany
Hydrogen, Methane

Hydrogen



Certification bodies working with our customers:











1.

Technology-enabled attributes tracking is a no brainer for industrial companies to future proof themselves.

2.

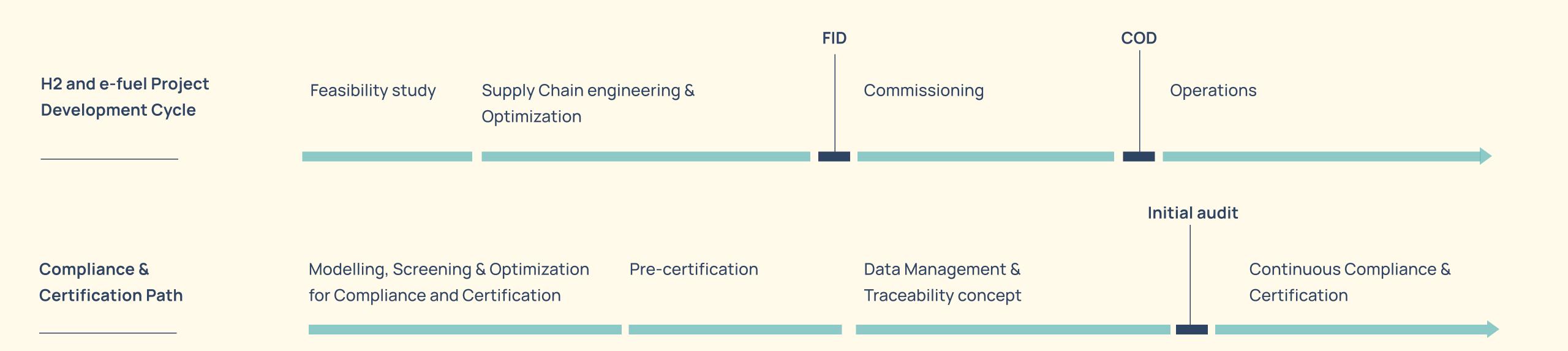
Certification challenges aren't just addressed by "A TECH". Up-to-date regulatory and certification knowledge are key.

3.

Certification quickly becomes an **optimization game**: how to optimally calibrate your supply chains to ensure market access and achieve offtaker goals, while minimizing LCOH? → **Start early**.

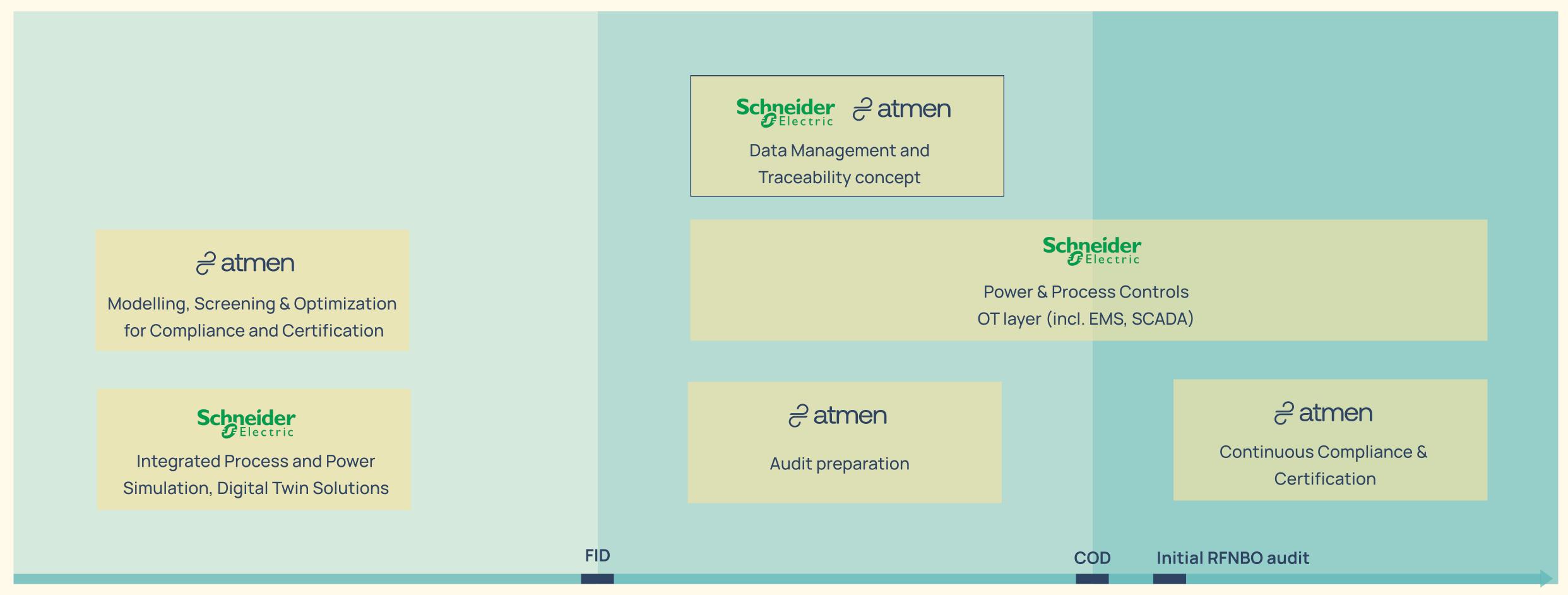


Sustainability certification is a journey, from project inception to operations.



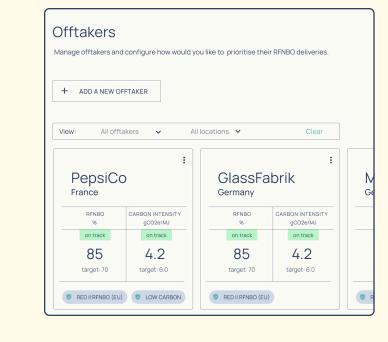


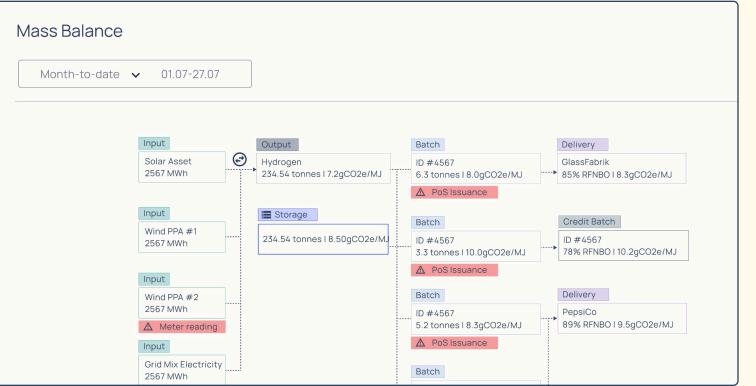
Solutions along the Power-2-X Project Development Lifecycle

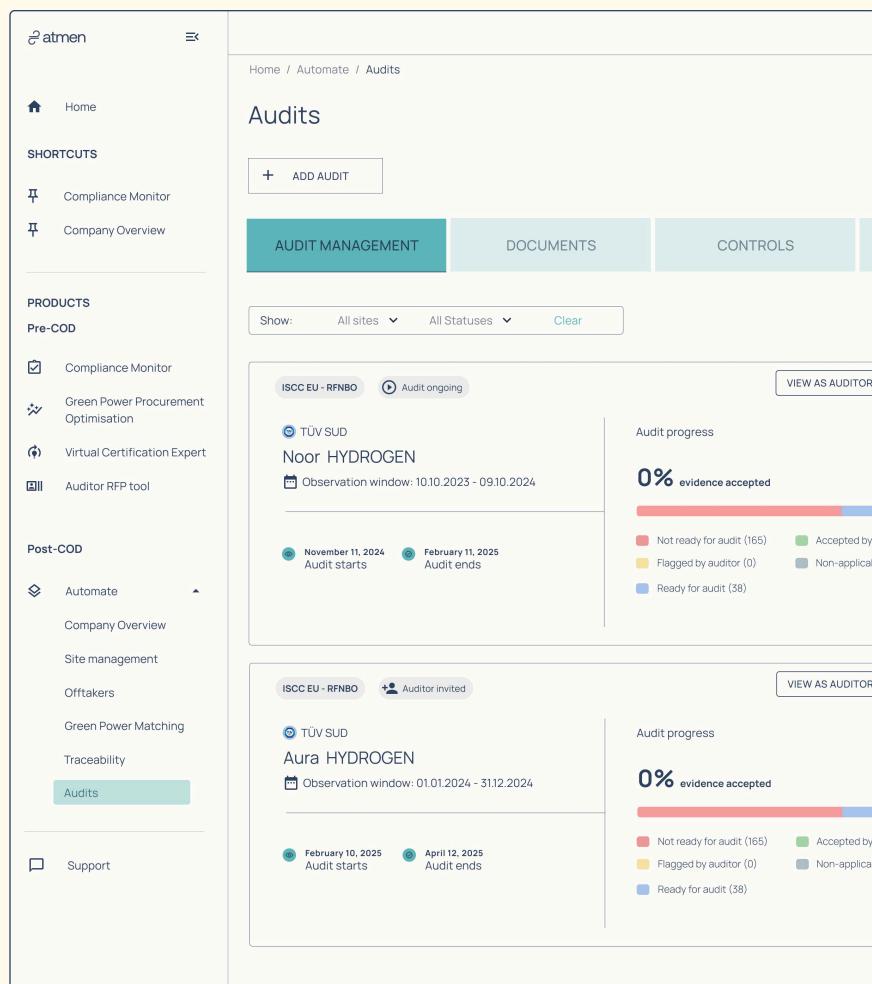




How Does it Work?



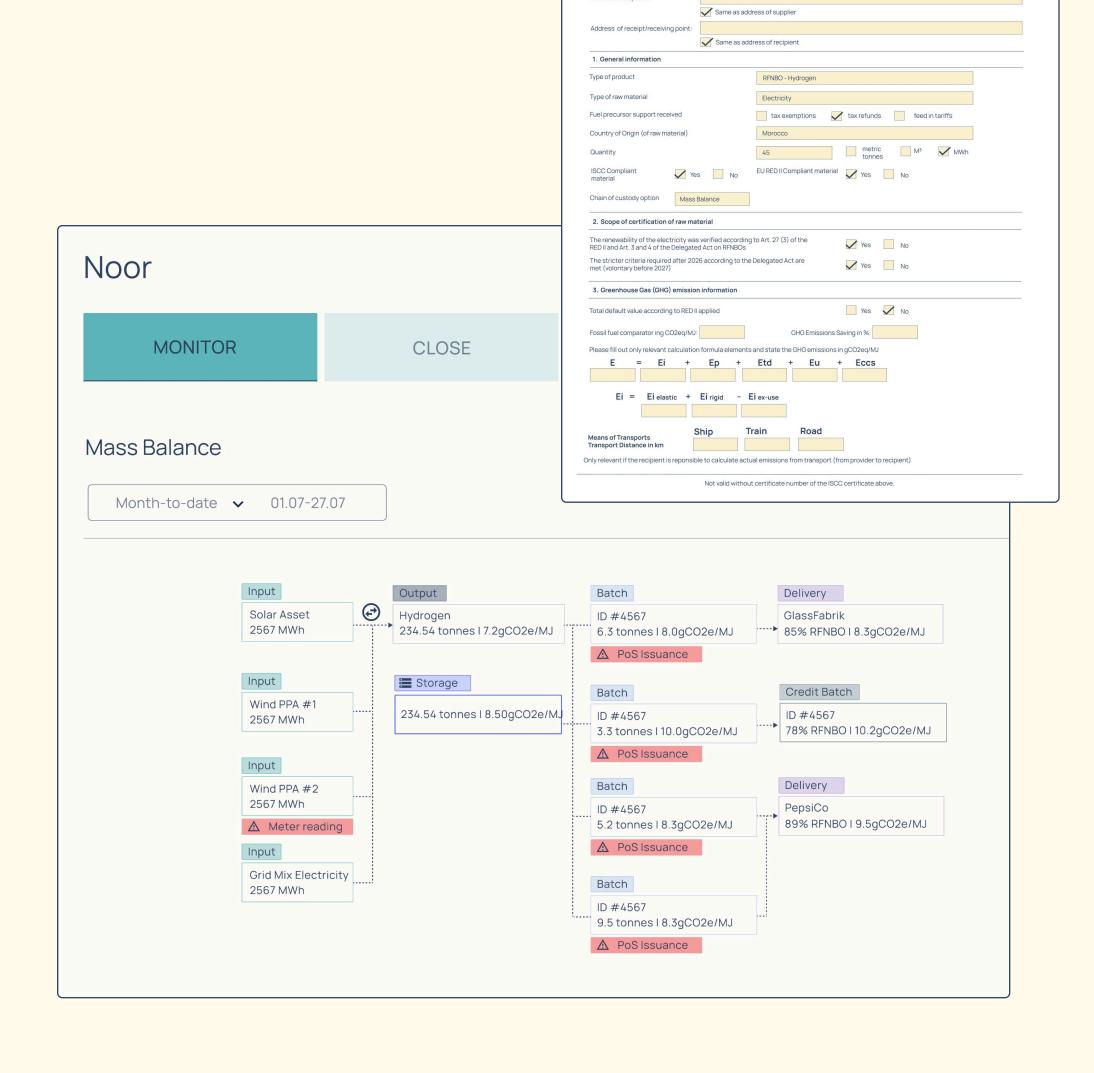






Automated Attributes Tracking & Certification

- Embed Regulatory & Compliance guidelines in your industrial stack
- Monitor Product Attributes across your supply chain
- Issue Proofs of Sustainability in one click



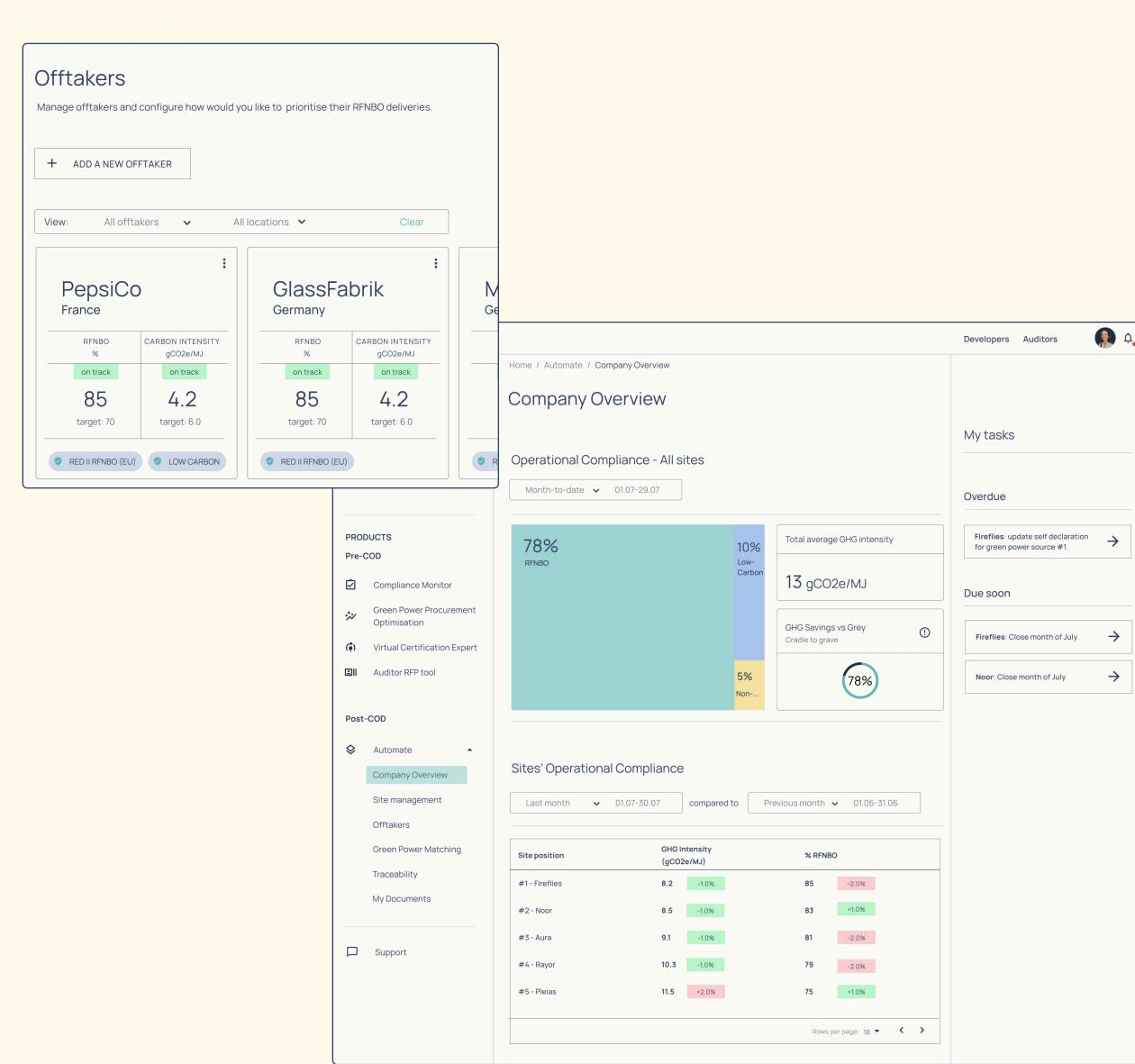
Proof of Sustainability

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Attributes & Certificate Portfolio Management

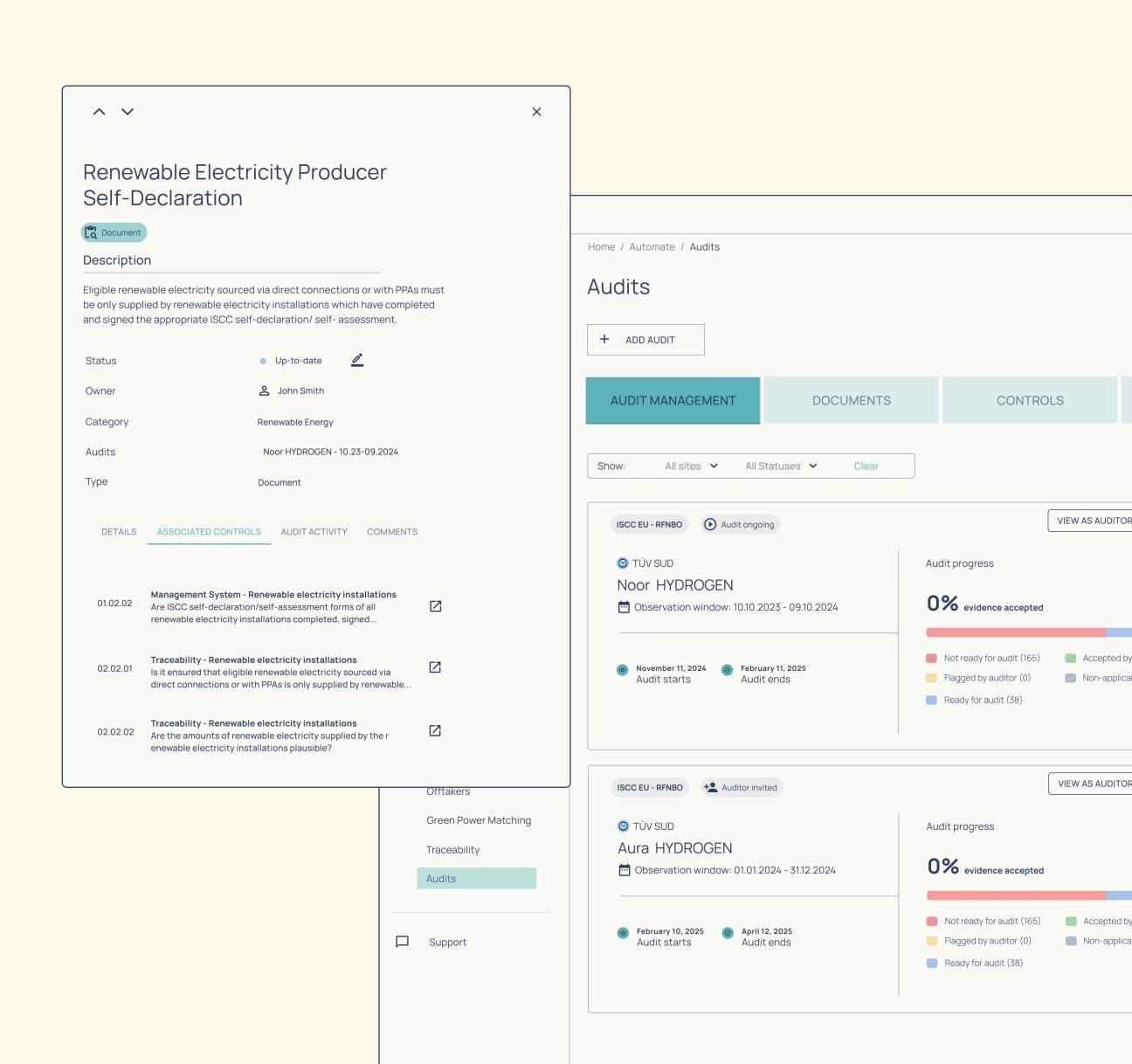
- Automate Allocation of "green" based on Offtaker logics
- Embed "Mass Balancing" constraints





Documents & Audit Management

- Streamline document gathering, data reconciliation
- Fast-track and de-risk audits preparation & execution



2

spot prices 164 h

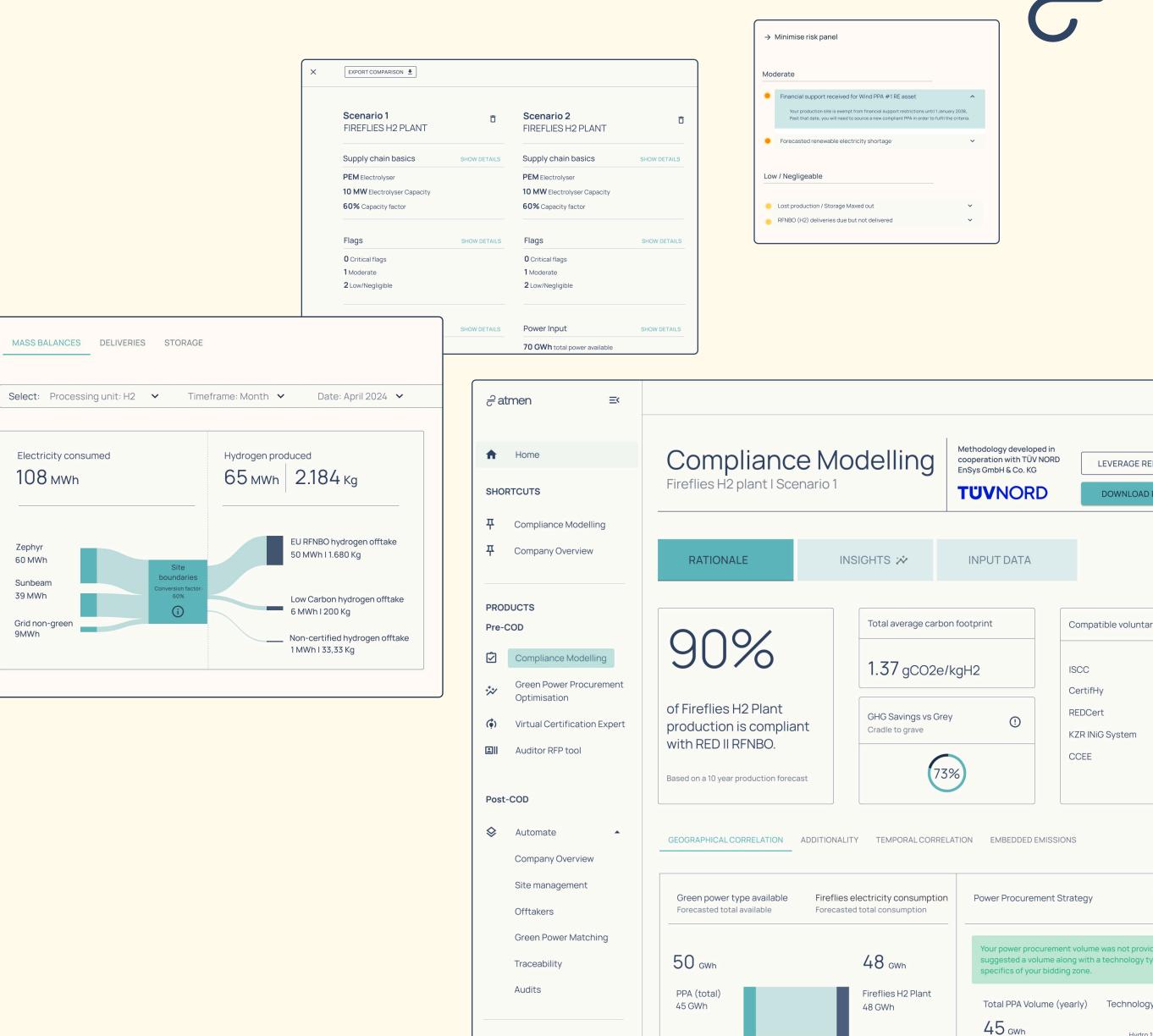
Compliance Modelling

Methodology developed in cooperation with TÜV NORD EnSys GmbH & Co. KG



Feed in your plant engineering data, supply chain information, and energy inputs to:

- Simulate hourly energy flows and carbon intensity
- Screen for sustainability compliance and certifiability
- Compare different supply chain scenarios
- Simulate mass balances for each logistical unit



☐ Support

1GW

Grid Green

2 atmen

Thank you!

-> Get in touch



