Optchain™
BY OPTEL

OPTCHAIN FOR DEFORESTATION-FREE SUPPLY CHAINS

Gain supply chain visibility and efficiency while complying with regulations for responsible sourcing and ESG requirements

Reinventing traceability

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BY OPTEL

Reinventing traceability

OPTEL's Optchain™ platform is designed to help your business achieve regulatory compliance, reach your sustainability goals and optimize your operational performance.

Optchain captures accurate, dynamic and granular data along the supply chain to provide an unparalleled level of visibility and transparency, a key differentiating factor backed by more than 30 years of expertise.

Optchain acts as a supply chain control tower powered by OPTEL's world-renowned traceability technologies to provide the right insights at the right time, storing all your trusted data in a secure and confidential cloud database.

Optchain

Reinventing traceability

Carbon Footprint Tracking
Product Carbon Footprint
Scope 1 and 2 GHG emission
Route Optimization
Responsible Sourcing
Inventory Tracking Planning
Product Quality
Product Authentication
Food Safety Compliance
Master Data
Alarms and Issues

OPTEL
Terms and conditions

CO_2e
5.52 kg/kg R&G coffee
Average for 2021 production

Water Footprint
4.31 m³ water/kg R&G coffee
Water footprint average for 2021 production, 94.7% from cultivation and processing

Country 1
26,126,322 kg
Total green coffee from Country 1 to Our Coffee

Country 2
5,390,522.4 kg
Total green coffee from Country 2 to Our Coffee

Largest Contributor
Cultivation and Processing
Responsible for an average 87.15 % of GHG emissions

Path with Lowest CF
C. Roasters 1 ▶ C. Roasters 2 ▶ C. Roasters 3 ▶ C. Roasters
Results in 6.8 % less emissions per kg coffee

Contribution Analysis

Cultivation and Processing Contributions

OPTCHAIN FOR DEFORESTATION-FREE SUPPLY CHAINS

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TRACEABILITY IS KEY TO SUSTAINABLE SOURCING

OPTEL supports companies in meeting regulations and industry standards regarding responsible sourcing and ESG requirements. Optchain by OPTEL is an end-to-end supply chain traceability platform that helps companies to digitalize their value chains. The ultimate goal is increase supply chain performance all while improving sustainability and achieving compliance with latest responsible sourcing policies, including those aimed at reducing deforestation. Optchain provides a simple, comprehensive, and easy-to-implement solution that allows companies to track and trace products back to their origins, verify that they are compliant with sustainability standards, and share this transparent information with regulators, partners and customers, if needed. With Optchain, companies can ensure that their products are not contributing to deforestation or other environmental harms.

TRUST, TRANSPARENCY AND PERFORMANCE

Optchain's traceability platform is designed to bring trust and transparency to supply chains. It was originally designed to increase the efficiency of the manufacturers' value chains. However, as supply chain performance and Increased sustainability go hand in hand, Optchain has become a viable solution to generate impactful results for both organizations and for the planet.

Optchain simplifies data collection and digitalization, provides real-time data updates, easily onboards suppliers, and maps the entire supply chain. Companies can gain crucial visibility on potential sourcing hazards, such as deforestation and GHG emissions hotspots. Teams can also use the platform for accurate inventory tracking and planning for improved forecasting and optimized inventory turns.

EU LEGISLATION ON DEFORESTATION

The EU Deforestation Regulation is a legal act of the European Union (EU) that aims to address the negative impacts of deforestation and forest degradation on climate change, biodiversity, and the rights of indigenous peoples. Under the EU Deforestation Regulation, companies will be required to conduct due diligence to identify, assess, and address the risks of deforestation and forest degradation in their supply chains. They will need to submit a statement to a European information system that confirms they have successfully exercised due diligence and guarantees that the products on the market are compliant with EU rules. This statement will also provide essential information for monitoring, namely the geographical coordinates of the farm or plantation where the commodities were grown. Traceability is key to gather and provide this information in the most efficient and accurate way possible.

TARGETED PRODUCTS

- Soy
- Palm oil
- Beef
- Cocoa
- Coffee
- Rubber

Some derived products, such as

- Leather and Chocolate

HOW TO CAPTURE THE DATA

Unlock the secret to compliance with the EU Deforestation Regulation and protect your brand's reputation by capturing the precise location of where your commodities were produced with simplified data capture and tracking tools. Each data-capture method is adapted to your supply chain segment and requirements.
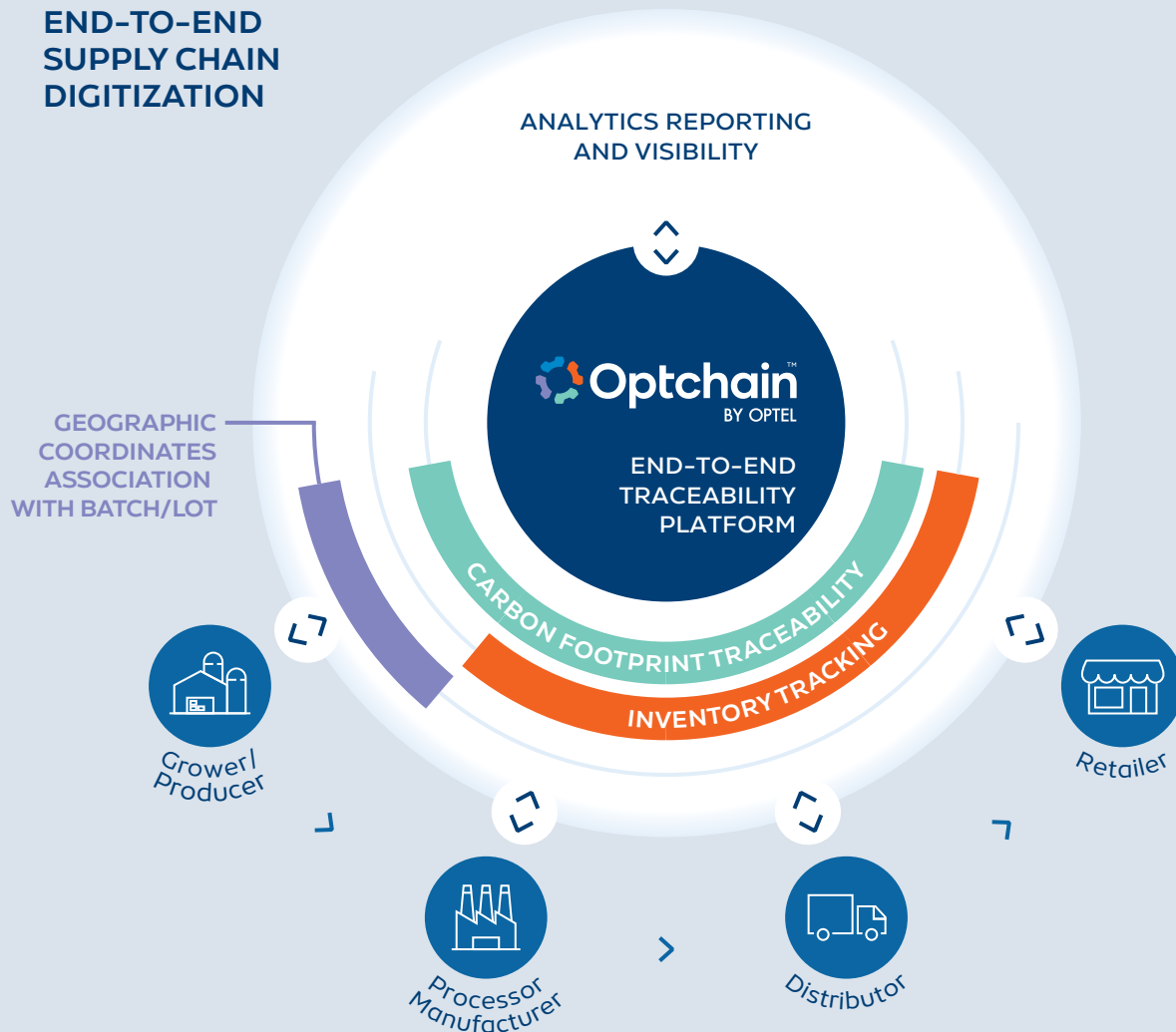
Data can be collected via:

- API integration with client's record-keeping system

- Web mapping software

- Mobile field-data capture linked to lots/ batches of commodities

- A supply chain mapping solution to reach and onboard tiered suppliers upstream

- API integration with satellite deforestation monitoring solutions

- Integration with external auditors

Optchain will keep the chain of custody of the lot/batch traceability from the farm/ forest to the final material being sold in Europe. In addition, OPTEL works closely with auditor partners to ensure that our solution meets the highest standards of transparency and accuracy.

END–TO–END SUPPLY CHAIN DIGITIZATION

ANALYTICS REPORTING AND VISIBILITY

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END-TO-END TRACEABILITY PLATFORM

GEOGRAPHIC COORDINATES ASSOCIATION WITH BATCH/LOT

CARBON FOOTPRINT TRACEABILITY

INVENTORY TRACKING

Grower/Producer
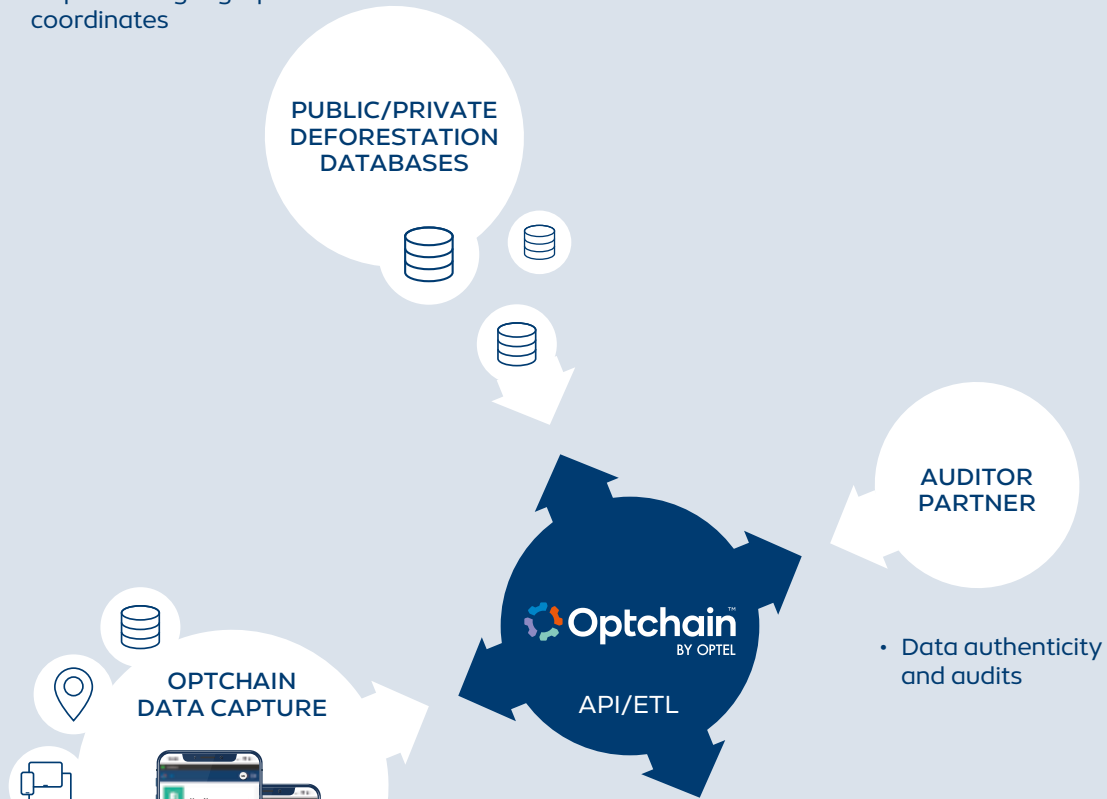
Processor Manufacturer

Distributor

Retailer

MONITORING DEFORESTATION ILLEGAL ACTIVITIES – HOW IT WORKS

Captured traceability data from raw material's source, such as GPS coordinates, can be compared with satellite deforestation monitoring solutions, which typically use satellite imagery, in order to confirm if deforestation occurred on that land. This process is called "Validation". The data gathered in the Optchain traceability system can then be used to identify the specific areas where the commodity was grown. Deforestation databases can be used to confirm that no forested land was cleared within those areas.
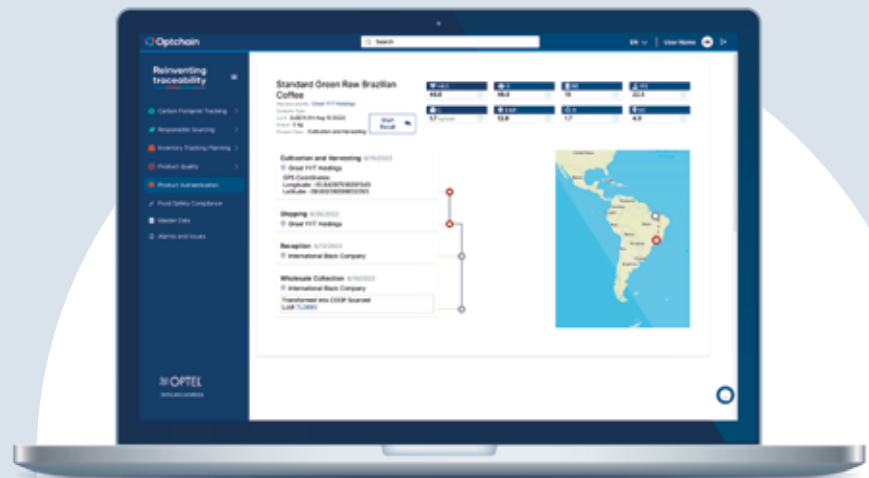
Optchain can use the traceability data for further benefits and analytics. For example, Optchain can be leveraged to confirm that the land was managed according to responsible land use practices, such as regenerative agriculture, protection of water resources, and respect for the rights of local communities. You can track any required data in Optchain's all-in-one platform.

VISIBILITY AND TRANSPARENCY OF THE SUPPLY CHAIN

- API interface receiving specific requests on geographical coordinates

PUBLIC/PRIVATE DEFORESTATION DATABASES

AUDITOR PARTNER

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API/ETL

- Data authenticity and audits

OPTCHAIN DATA CAPTURE

- Mobile, GPS, Web, API integration
- Traceability system able to link batch/lot of commodity produced to harvesting geographical coordinates/farm plot

OPTCHAIN RESPONSIBLE SOURCING

- Deforestation

WHY CHOOSE OPTCHAIN FOR RESPONSIBLE SOURCING

- Simplify regulatory and legislative compliance thanks to an all-in-one platform

- Maximize visibility with a robust supply chain mapping tool

- Streamline and speed up the supply chain digitalization processes

- Identify potential risks and strengthen supplier relationships

- Increase supply chain resilience against future risks or disruptions

- Build brand loyalty and protection

- Provide suppliers sustainability performance reports

- Identify where value is added or lost in the supply chain

- Benefit from a secure cloud-database solution

- Easily implement our Carbon Tracking module (optional)

- Carry out comprehensve inventory tracking (optional)

Optchain has a proven track record and is backed by a robust security infrastructure, including secure data storage and multi-layer authentication processes. The Optchain platform includes components subject to SOC2 Type 2 report, which ensures that general IT controls are in place to secure all services that are provided.

NORTH AMERICA
HEADQUARTERS
OPTEL Canada
1989

EUROPE
OPTEL Ireland
2014

EUROPE
OPTEL Germany
2021

ASIA
OPTEL India
2016

SOUTH AMERICA
OPTEL Brazil
2017

ABOUT OPTEL

OPTEL has a proven track record of over 30 years in providing end-to-end and highly granular traceability solutions that enable companies to unlock the potential of intelligent and digital supply chains. Optchain, OPTEL's flagship traceability solution, connects all stakeholders across the value chain to ensure complete, real-time visibility for better supply chain performance, carbon footprint tracking, and compliance with regulatory standards.

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