





DUE-DILIGENCE STATEMENTS



PROVENANCE VERIFICATION

TimberID

Platform



GEO-SPATIAL DATA



REGULATORY COMPLIANCE DOCUMENTS



INFORMATION GATHERING



ENVIRONMENTAL & SOCIAL IMPACT



DATA PROTECTION ACCESS LIMITATION



RISK ASSESMENT/ MITIGATION

1



Deeplai is at the forefront of climate change technology launching the TimberID solution for sustainable forest management and reporting.

TimberID Platform

- ✓ The TimberID Platform is a robust flexible timber supply chain solution to ensure EUDR compliance
- Our workflow automation of the information gathering, processing, securing privacy and selective data sharing, all to DDSt creation and submission to the EU portal.

TimberID Authentication

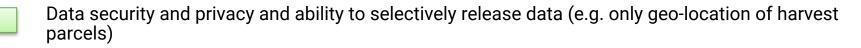
The authentication process is an Al-driven deep-tech solution for harvested timber log identification and data processing delivering an accurate and transparent timber traceability, based on geo-location provenance proof.

- **Tamper-proof e**ncrypting satellite data and delivering 100% authentication.
- Eco-friendly process stability elimination of any consumables.
- **Cost-effective** total cost of ownership, that is at least 50% lower than currently available technologies.



What are the challenges for a safe and effective EUDR execution?

EU Information System is a simple reporting tool and cannot be used to document traceability information - additional platform is needed



Different countries have different risk levels - documented risk mitigation measures need to be adaptable to the risk situation

Accumulated geolocation data needs to be provided for large processors automatically and in time based on the reported input



Effort to map transactions must be very low



Interaction with EU information system needs to be as automated as possible - best case: automated issuance of DDS



Large traders need to be able to check the due diligence efforts of upstream suppliers

Possibility to segregate wood of unknown origin reduces potential financial risks (of dumping mixed stock or announcing non-compliance to downstream customers)







TimberID Platform will solve the EUDR execution challenges.

Highlights of TimberID Platform functionality

- Secure, scalable, reliable system architecture
- Data privacy and security, selective sharing
- Collection of data, documents and information
- Geo-spatial data map evidence and view
- Ø Data management, processing and reporting interfaces
- Risk assessment & mitigation covered by system
- Due Diligence Statement on transaction level
- Dedicated mobile apps for data sourcing and management
- Ø BigData analytics and reporting

Stakeholders covered by the EUDR

- Ø Operators/importers into EU
- Operators/ Forest owners(service companies)/Large traders(non SME) within EU
- Ø Operators/ Forest owners(service companies)/All trader (incl. SME) EU export



Data





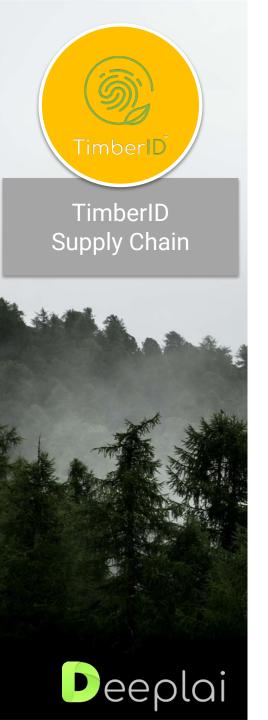
Sattelite sourced data

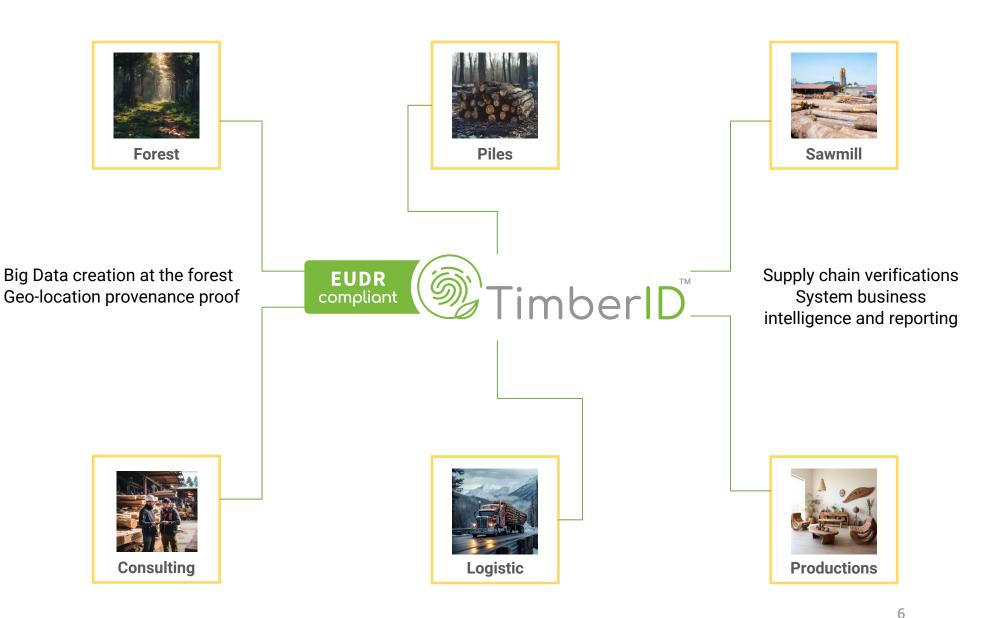
Ground sourced data

Meeting the EUDR requirement for geo-spatial data are for the forest plot sized below 4 ha requires a spot geo-location, polygon coordinates for all plots exceeding the size.

- The TimberID Platform allows easy registration of plots by suppliers, operators, or third parties acting as authorized representatives.
- The platform can upload plots manually or in digital formats and can be used for verification of provenance. The system ensures data protection and market access to the European market, regardless of location or stage of the supply chain.
- TimberID Platform provides the evidence, the platform enables forest plot map display and view of harvested timber log location and further verification of logistic movements.

Q Location







TimberID Technology





The **TimberID** Authentication system enables forestry organizations and participants in the forest market to adhere to timber provenance regulations, ensuring transparent traceability **from the forest to the consumer**.

TimberID Authentication is a ground-breaking DeepTech solution combining AI/ML image processing, analysis and recognition with a proprietary unique variable code marking technology, **delivering ~100% accuracy in data processing**.



Unique timber ring fingerprint capture and recognition plus Timber log measurements.



Dcode is securing a geolocalization accuracy on a 2m level, timestamp accuracy to a one second level.



Digitised 100% provenance authentication system web AI/ML enabled business intelligence platform.



TimberID Dcode Technology





Tamper-proof, unfakeable data

Dcode is generated while being applied by encrypting satellite geolocation data and intending a unique variable mark on the timber ring. A fingerprint surface signature data record is created by an app. A combination of both technologies delivers 100% authentication proof.



Eco-friendly process stability

The solution excludes any consumables as plastic, metal, ink, foil, RFID and is based on a used for centuries indention mark. Environmental care eliminating the pollution at the sawmill production.



EU Deforestation Regulation compliant

Provenance traceability to the source. Provenance traceability to the forest plot with exact geo-location data, providing supply chain verifications, from the forest to the final wooden product.

Existing marking solutions that could be cost-effectively replaced



RFID



Paint



Metal

Electronic



Plastic













Dedicated Mobile Apps

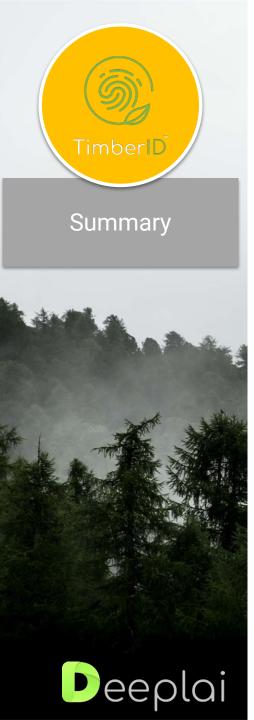
TimberID (IOS only)

- Image sourcing, record creation
- Registration of harvesting plots
- Species registration
- Log measurements automation
- Dcode verification linked with the SaaS platform
- Dcode reader (IOS, Android)
- Dcode encrypting data reader
- Ø Data export as an item list file

TimberID SaaS Platform

- Secure, scalable, reliable system architecture
- Data privacy and security
- Digital document creation and selective sharing
- Collection of data, documents, and information
- ✓ Geo-spatial data map evidence and view
- Data management, processing and reporting interfaces





TimberID complete solution meets and solves all EUDR objectives bringing digitalisation in sustainable forest management.



Safe and effective EUDR execution

- Data security and privacy, selectively release of data
- Documented risk assessment and mitigation measures
- Accumulated geolocation data
- Due diligence efforts of upstream suppliers
- Segregation of unknown origin wood