Traceability Transparency
Harvested Timber Provenance
Digitalization

From forest to a final wooden product

Piles

Logistic

Sawmill

TimberID™

Forest

Production
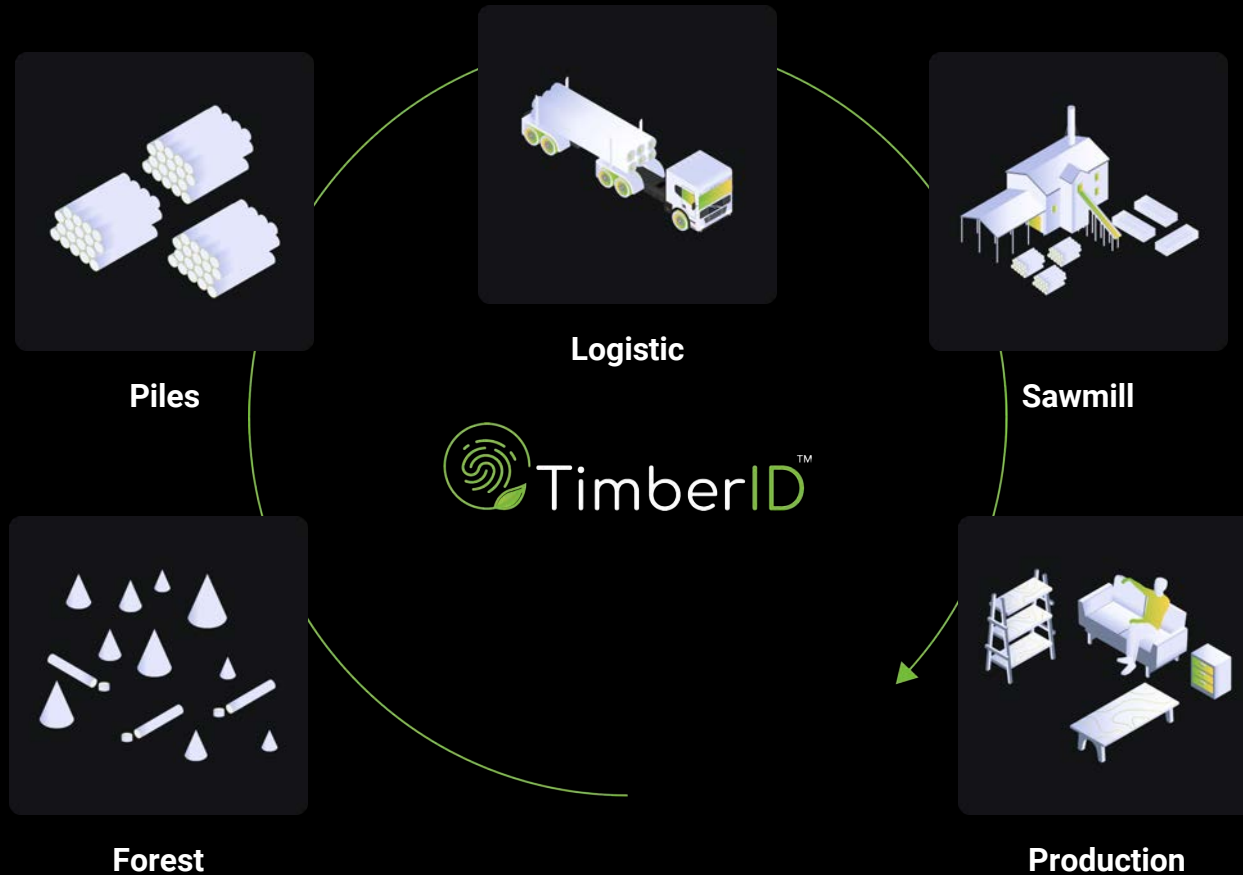
Solving the requirements of strong traceability and transparency obligations

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Sustainable forest management and reporting impacts carbon retention

Digital Big Data are enabling carbon footprint monitoring

Cost-effective marking method
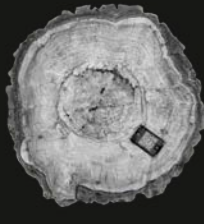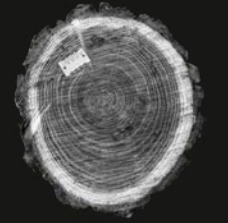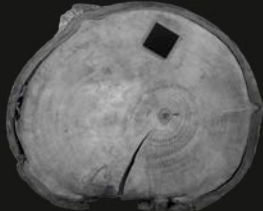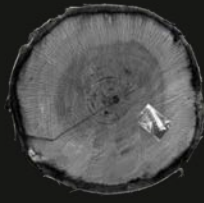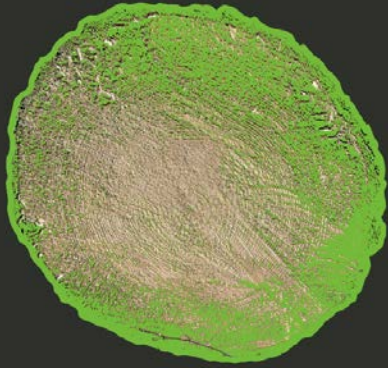# Eco friendly eliminating consumables
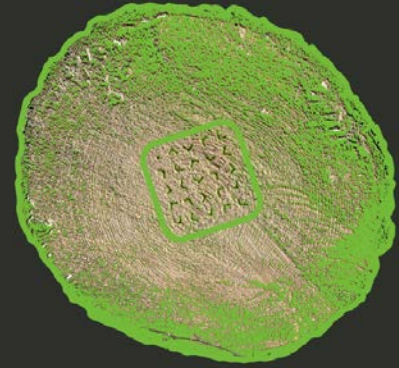
Solutions

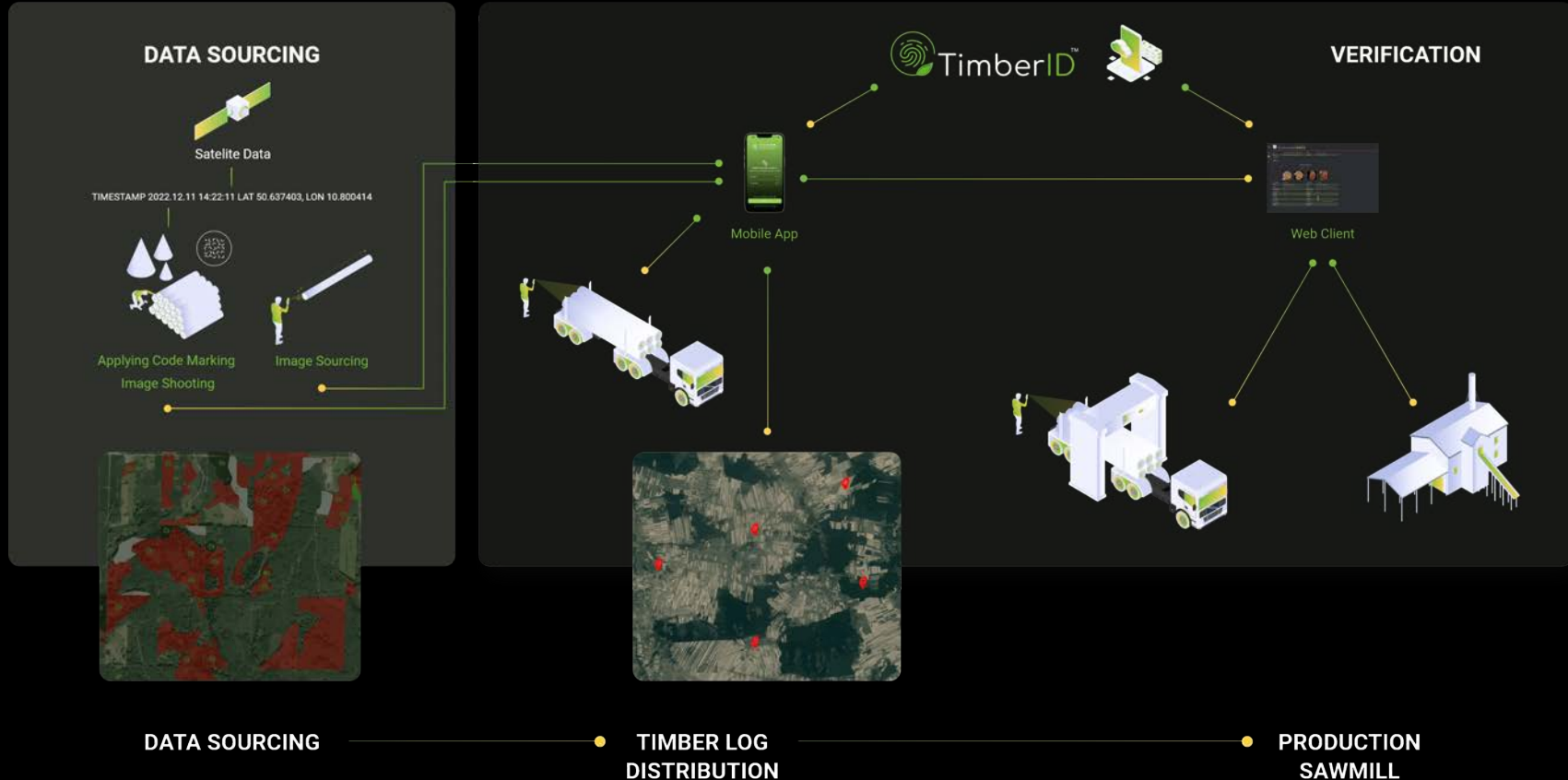

Fingerprint Signature

Encrypted Information

Timber Identification

Timber Identification 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.

Sealed chain of custody

Global SaaS platform for enterprise-scale business

SaaS Platform

TimberID solution is an AWS cloud global platform delivering multiple services powered by proprietary AI/ML processing engines securing system scalability and redundancy in a multitenancy model.

Customers are benefiting from system functionality by using web client interface managing own data.

Data files are saved for further processing on a verification request.

Customer friendly interface allows a user to view selected forest area, each log provenance and inventory data with, robust business intelligence for reporting and analysis, seamless API connectivity for customised integrations.
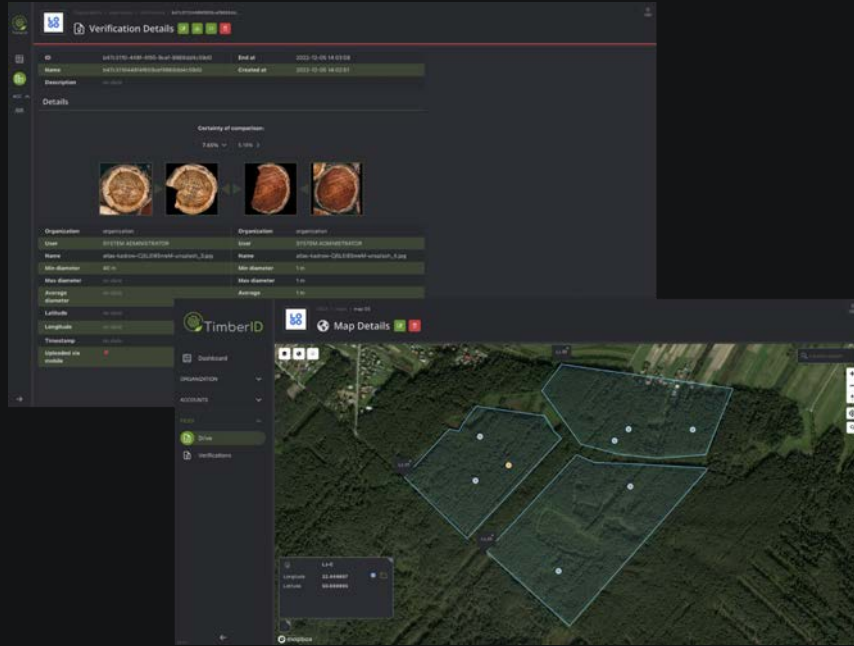
Delivering data sourcing and providing verification
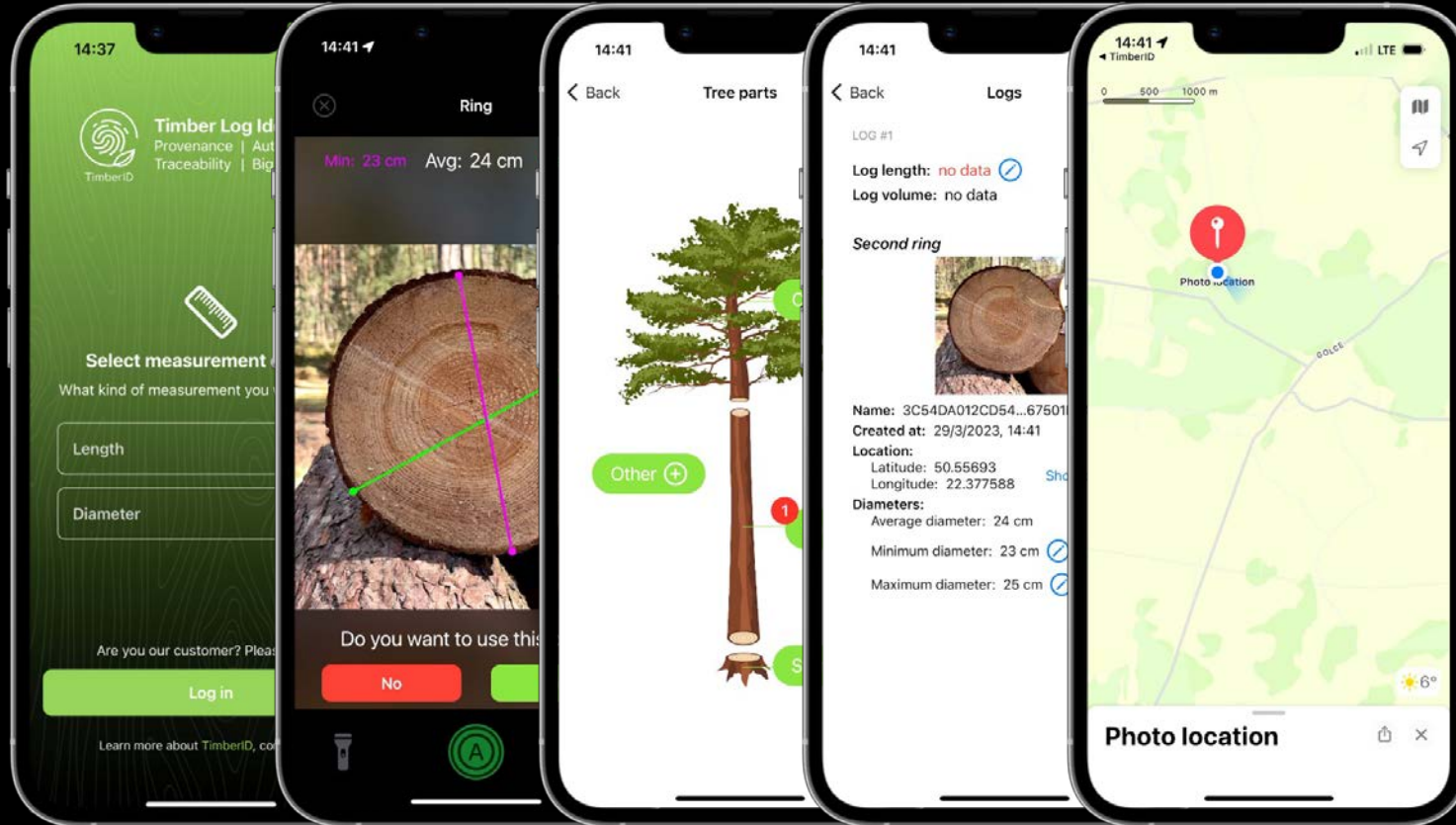
Mobile Apps

Combining proprietary AI capabilities and IOS built-in functionalities for timber log processing and complex data collection the TimberID app delivers accurate image sourcing and measurement data.

App is navigating and guiding a user in real time to use available functionalities in a fully automated manner.

iPhone Pro commencing version12 is equipped with lidar enabling creation of app innovative functionalities.

App is set to be used offline, while data synchronisation occurs when network connectivity is set.
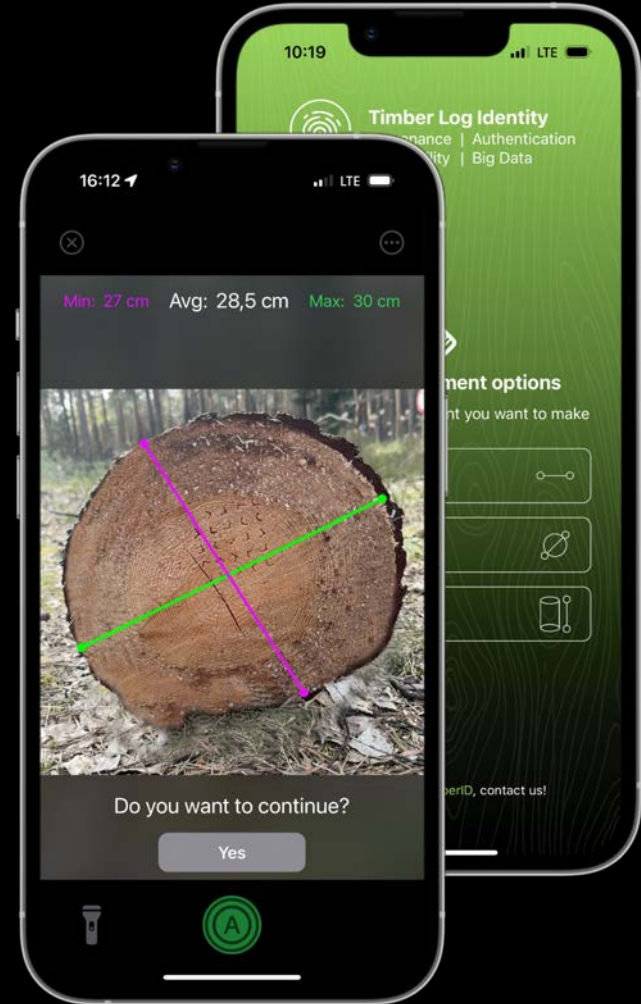
Single Log Measurement

LIDAR is a remote sensing technology delivering an accurate data sourcing. TimberID is now capable the process timber log measurements using the built-in LIDAR functionality in iPhone. TimberID is offering simplicity and full automation of the measurement process.

Click on a reference point on of a log ring, walk along the log, repeat the click on the other side and view the length result.

Seamlessly scan both rings and view the diameter size and total volume in cubic meters.

Enabling single log measurement irrespective of the location, on the ground or on a pile.
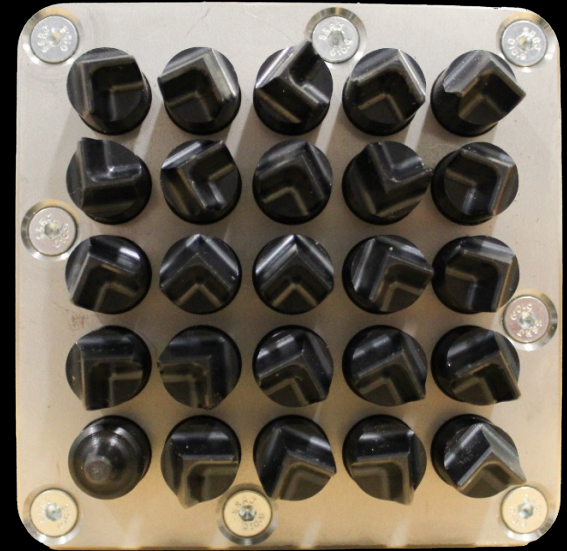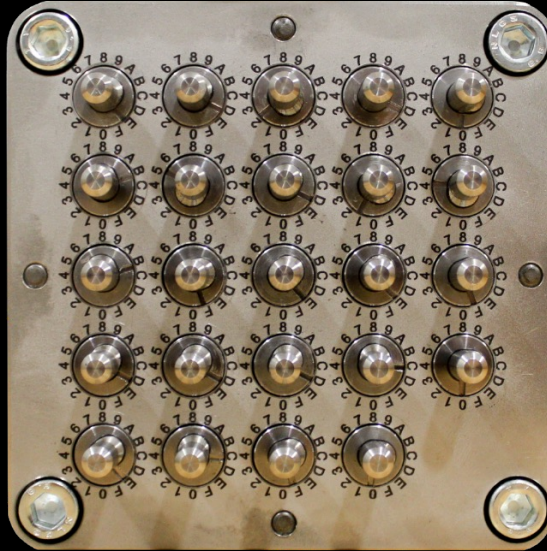
Enjoy the simplicity and precision.

Timber identification solution
Accuracy level - geo-localization 2m, time 1 sec

Marker head

The hammer marker head has been designed and build for best performance at the forest environment.

Adopters will recall the markers used by grandfathers and learn the simple way of use.

The setting area is clearly displaying all required information for adjustments.
Happy marking.

EDG

EDG (Electronic Dcode Generator), portable device for delivering variable code creation for use in DMH series units.

The device is based on the use of positioning satellite signals available in a given region of the world.

Using satellite signals of the European Galileo system (American GPS, Russian GLONASS or Chinese BeiDou) a unique Dcode is generated at the user's request, delivering a geo-localization accuracy on a 2m level, timestamp accuracy to a one second level.
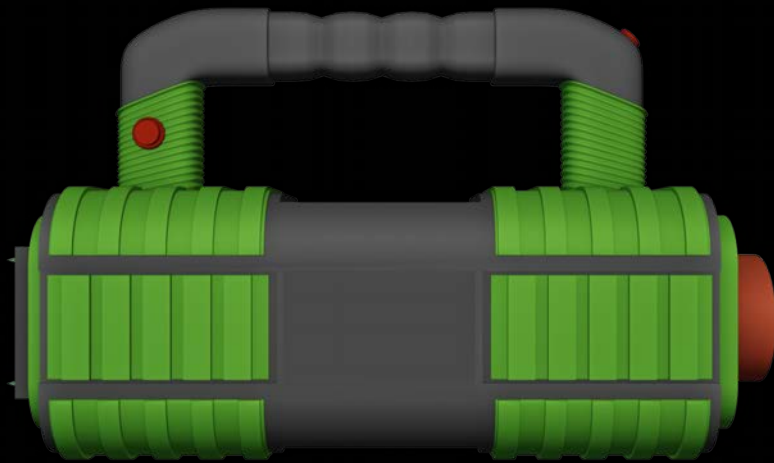
COMING SOON

DMA-5

The DMA -5 (Dcode Marker Automated) is a semi-automated toll to indenting a hammer code mark on the timber ring.

The marking head is consisting in the form of 24 individually rotating stamps set at a defined angle arranged side by side and one fixed
stamp of a surface size of 10X10 cm, delivering a geo-localization accuracy on a 2m level, timestamp accuracy to a one second level.

The EDG system is integrated, all code stamps are set automatically.
By using electric or pneumatic energy supply to the DMA unit, the code marking indenting on a timber ring is being applied.

Be a part of the TimberID story!
Trees can't talk, you take actions!

Swapan Chaudhuri | Cofounder and CEO
swapan@deeplai.com
@swapan
M +48607997967

watch video

deeplai.com