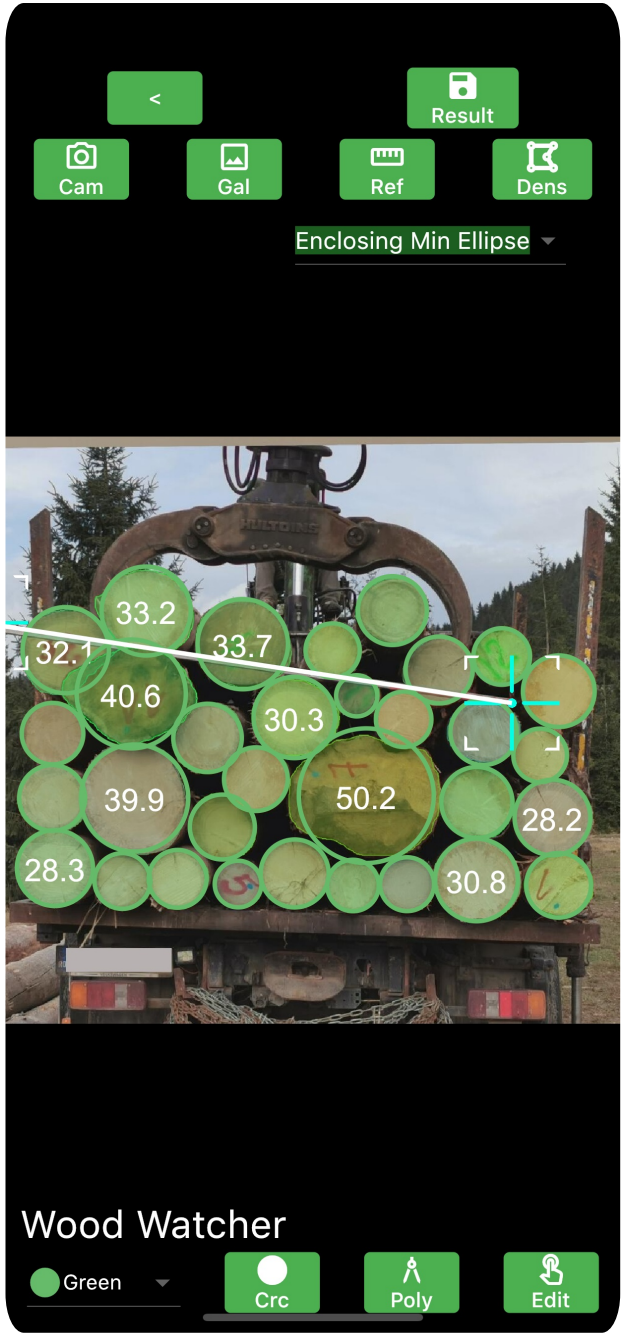
Wood Watcher - measure volume of woodpiles and wood transports fast, precise, and easy



Wood Watcher

Wood Watcher offers a complete digital solution to measure wood piles and wood transports using an Android phone, iPhone or iPad.

Main benefit: Manual wood volume measuring is labour-intensive and time-consuming, however, volumes can be easily measured digitally in minutes on a smartphone using Wood Watcher.

Easy process:

1. Point the camera from your phone or tablet to any wood stack or wood truck and take a picture
2. The artificial intelligence algorithms analyze every pixel and detect all the wood logs (even partially obscured or dirt or snow-covered)
3. Input the digital reference and the length of the logs
4. Instantly receive the **number of logs, the volume in cubic meters, the pile density and contour, and a detailed report of each piece of wood**
5. Save and share the measurement data to the cloud or with business partners

The benefits are:

1. **Time efficiency**. Time is the most important factor in any business. Manually measuring a woodpile or wood transport truck takes anywhere from 30 minutes to 120 minutes, but with Wood Watcher, it takes under 1 minute.
2. **Costs savings**. Manual methods require significant manpower – at least a crane operator and one (or two) employees to measure for 30-120 minutes. Wood Watcher works with only 1 person (ex: the crane operator) for 1 minute.
3. **Instant report generation**. Forget manually entering wood diameters using pen and paper or excel data input. Wood Watcher generates a basic .csv file or excel .xlsx file or .pdf file instantly.
4. **Reduce human input error**. We are human and we make mistakes when measuring, when inputting data or when reporting data. When using Wood Watcher all human errors are minimized.
5. **Satisfied and confident customers**. Both sellers/suppliers and buyers need to be able to measure and verify each other's claims. With Wood Watcher volumes can be measured objectively as many times as needed and the measurement ba used as proof.
6. **Data sharing. Compliance audit. Real-time inventory overview. Digital Transformation**. With Wood Watcher, data can be shared between systems and stored in the Cloud making it easily accessible and retrievable.

All digital data can be integrated with Wood Watcher Inventory System or using the company's existing inventory and management system.

Individual measurement data can be improved and customized to business needs and best practices with extra metadata: GPS, source, destination, transport id and more.

Wood Watcher provides automation, digitalization, precision, confidence, transparency, traceability, objectivity, and increases productivity when measuring wood.

DETALLES

ORIGEN DE LA MADERA

Bosque

TIPO DE MADERA

Madera en rollo

TIPO DE MADERA AFECTADA

--

IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

Wood Watcher contributes to sustainable and responsible forestry by promoting automation, digitalization, precision, confidence, transparency, traceability, objectivity.

EFECTO SOBRE LOS INGRESOS

--

POTENCIAL DE EXPLOTACIóN

--

HUB

--

POTENCIAL DE MOVILIZACIóN

--

POTENCIAL DE SOSTENIBILIDAD - VALOR

Muy positivo

FACILIDAD DE APLICACIóN

Wood Watcher is available right now for download on Android, iPhone, and iPad. You get 10 free credits and you pay per measurement as you use the software.

FACILIDAD DE IMPLEMENTACIóN - EVALUACIóN

Very Easy

PREREQUISITOS CLAVE

--

TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

--

EFECTO SOBRE EL EMPLEO

--

IMPACTO ECONóMICO

--

COSTES DE IMPLEMENTACIóN (EURO - €)

--

CONOCIMIENTOS ESPECíFICOS NECESARIOS

--

MáS DETALLES

RETO ABORDADO

5. Mejorar el rendimiento económico y medioambiental de las cadenas de suministro forestal

DOMINIO

Inventario, evaluación, seguimiento

Aprovechamiento, infraestructura, logística

TIPO DE SOLUCIóN

Sensores, equipos de medición

PALABRAS CLAVE

Digital Wood Tracking

Precise Volume

SOLUCIóN DIGITAL

Sí

INNOVACIóN

Si

PAíS DE ORIGEN

Austria

ESCALA DE APLICACIóN

Continental

AñO DE INICIO Y FIN

2021 -

DATOS DE CONTACTO

PROPIETARIO O AUTOR

Wood Watcher

Razvan Pistolea

razvan@digital-dryads.eu

https://woodwatcher.app/

REPORTADOR

REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL

https://woodwatcher.app/

SITIO WEB DEL PROYECTO

https://woodwatcher.app/

REFERENCIA DEL PROYECTO

--

RECURSOS

The forestry industry is changing towards digitalization, precision, and automation

App Store Download

Google Play Download

LOGO DE LA BUENA PRáCTICA

LOGOTIPO DE LA ORGANIZACIóN PRINCIPAL

PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

FECHA DE MENSAJE

18 Mar 2022

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY