



[T]
TIMBETER

Vallo Visnapuu
CEO & Founder

What is TIMBETER?

ET TIMBETER

Easy-to-use solution for quick and accurate timber measurement



GET IT ON
Google play

How it works

Diameter measurement

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1 Location

Storage: Timbeter HeadQuarters

Latitude: 58,12808

Longitude: 25,13743

[Save](#) or [go back](#)

[Map](#) [Satellite](#)

Kamali
Karsu
Maru
Halliste
Kilingi-Nõmme Tihemetsa
Saarde
Abja-Paluoja
Manna
Kalita
Raamatu
Mõsaküla
Rinna
Saare

2 Timber

Measured by: Vallo, org@timbeter.com

Measured on: 2016-03-22

Measurement type: Uncategorized

Wood type: Pine

Wood quality: Sawlog

Wood assortment:

Log length: 4,2 m

Volume formula: Cylinder

Reference size: 1.0 m

3 Log diameters

21 cm	4
22 cm	10
23 cm	31
24 cm	16
25 cm	11
26 cm	11
27 cm	14
28 cm	16
29 cm	27
30 cm	10
31 cm	16
32 cm	18
33 cm	7
34 cm	8
35 cm	3
36 cm	11
37 cm	3
38 cm	1
39 cm	3
40 cm	6
41 cm	8
42 cm	8

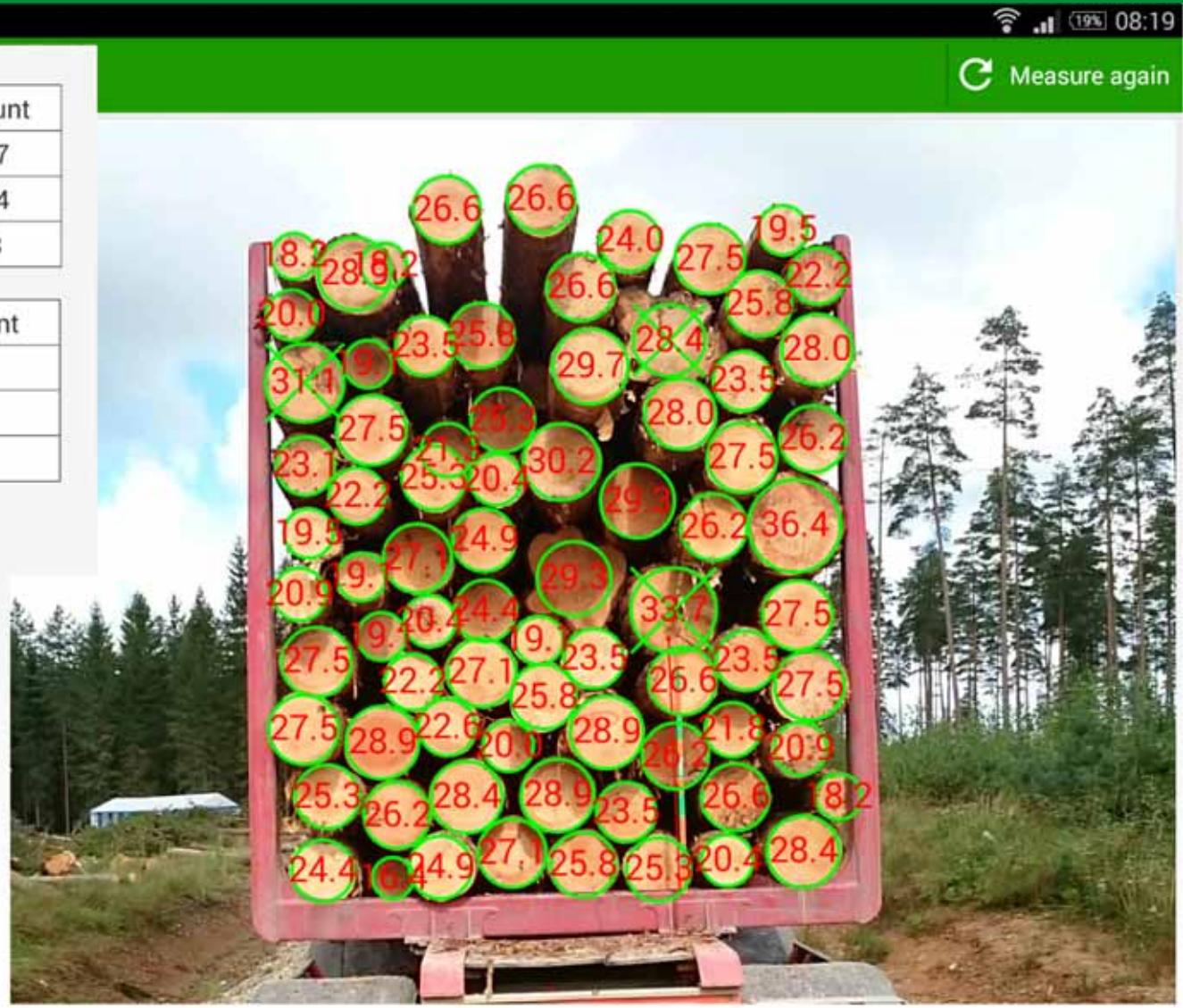
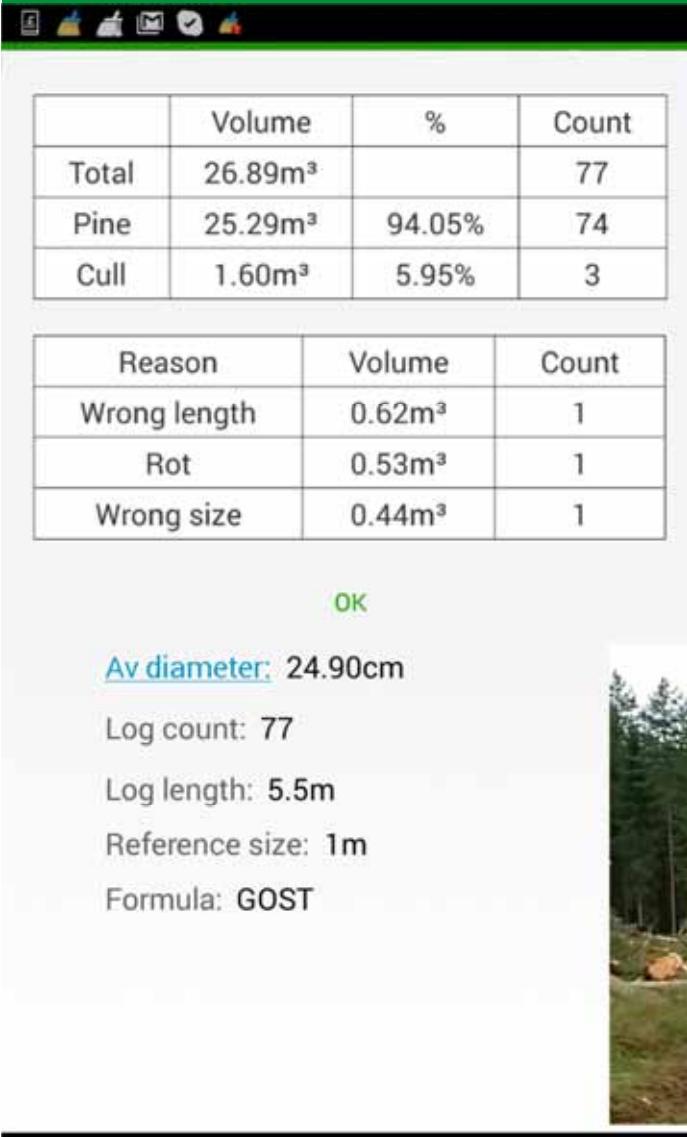
Log detection algorithm



- Machine-learning and computer-vision based algorithm.
- Algorithm „trained“ on more than 150 000 pictures.
- Certified by **Metrosert** – measurement certification authority.
- Error margin 0,5-1,5 %.

Defect-marking

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Pulp-and fuelwood measurement

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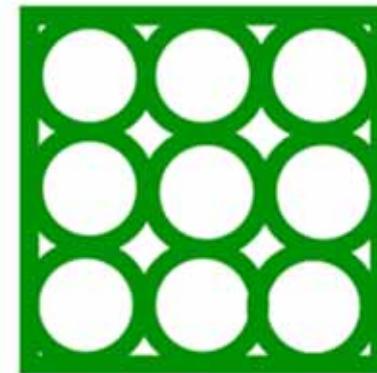


Different measurement options

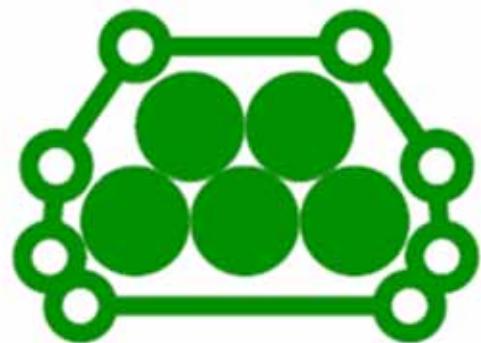
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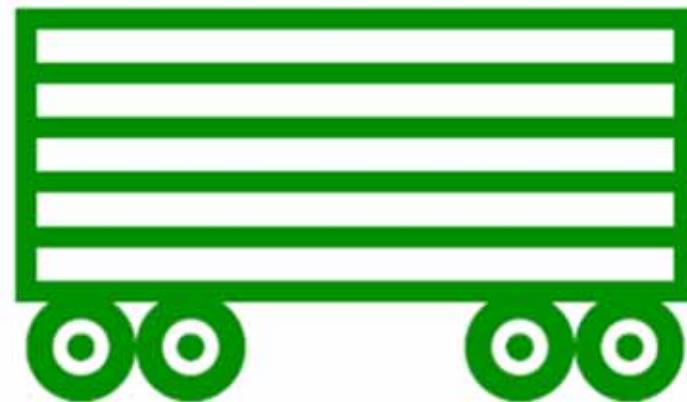
PILE



CONTAINER



DIAMETER



TRUCK

Data platform

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Storage Measurement date Measurement type Status

Show additional filters Clear Filter

Show Map view Save as Excel

Name	Coordinates	Last update	Status	Total
> Timbeter HeadQuarters	59.39806, 24.66172	June 27, 2016	● In progress	34,086.38 m ³
> Nordic Lumber	58.9543, 23.90861	June 17, 2016	● In progress	0.06 m ³

Paikuse

Coordinates	58.3144 24.76473
Wood type	Spruce
Wood quality	Pulpwood
Created on	2016-06-15
Total	110.16 m ³
Status	In progress

Open measurements

Lihula, Võhma, Suure-Jaani, Põltsamaa, Alam-Pedja looduskaitseala

2-way information synchronization



- All measurements from different devices stored under one account in cloud.
 - Real-time overview of all the measurements made (geographical location, volumes, piece counts)
 - Possibility to correct measurement in desktop computer.
-
- All company-custom information inserted from storage module (storages, species, assortments, cull etc).

Certifications/Evaluations

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IRELAND



Waterford Institute of Technology
INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

LITHUANIA



DIRECTORATE GENERAL OF STATE FORESTS
at the Ministry of Environment Republic of Lithuania

ESTONIA



METROSERT



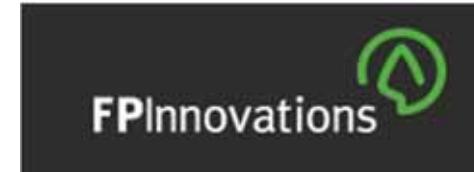
GERMANY



NETHERLANDS



CANADA



AUSTRALIA



Export to Asia

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9565

20160302

2674

324.52 m³

11



Name

MSKU189

Created at

2016-05-05

Log count

267

Volume

30.67 m³



MSKU1890



Measured on
Wood type
Log length

2016-05-06
Spruce
3.7 m

MSKU1890



Measured on
Wood type
Log count
Log length
Volume
Coefficient

2016-05-06
Spruce
108
3.7 m
9.77 m³
0.5355

MSKU1890



Measured on
Wood type
Log count
Log length
Volume
Coefficient

2016-05-05
Spruce
84
3.7 m
9.99 m³
0.5634

MSKU1890



Measured on
Wood type
Log count
Log length
Volume
Coefficient

2016-05-05
Spruce
75
3.7 m
10.91 m³
0.5885



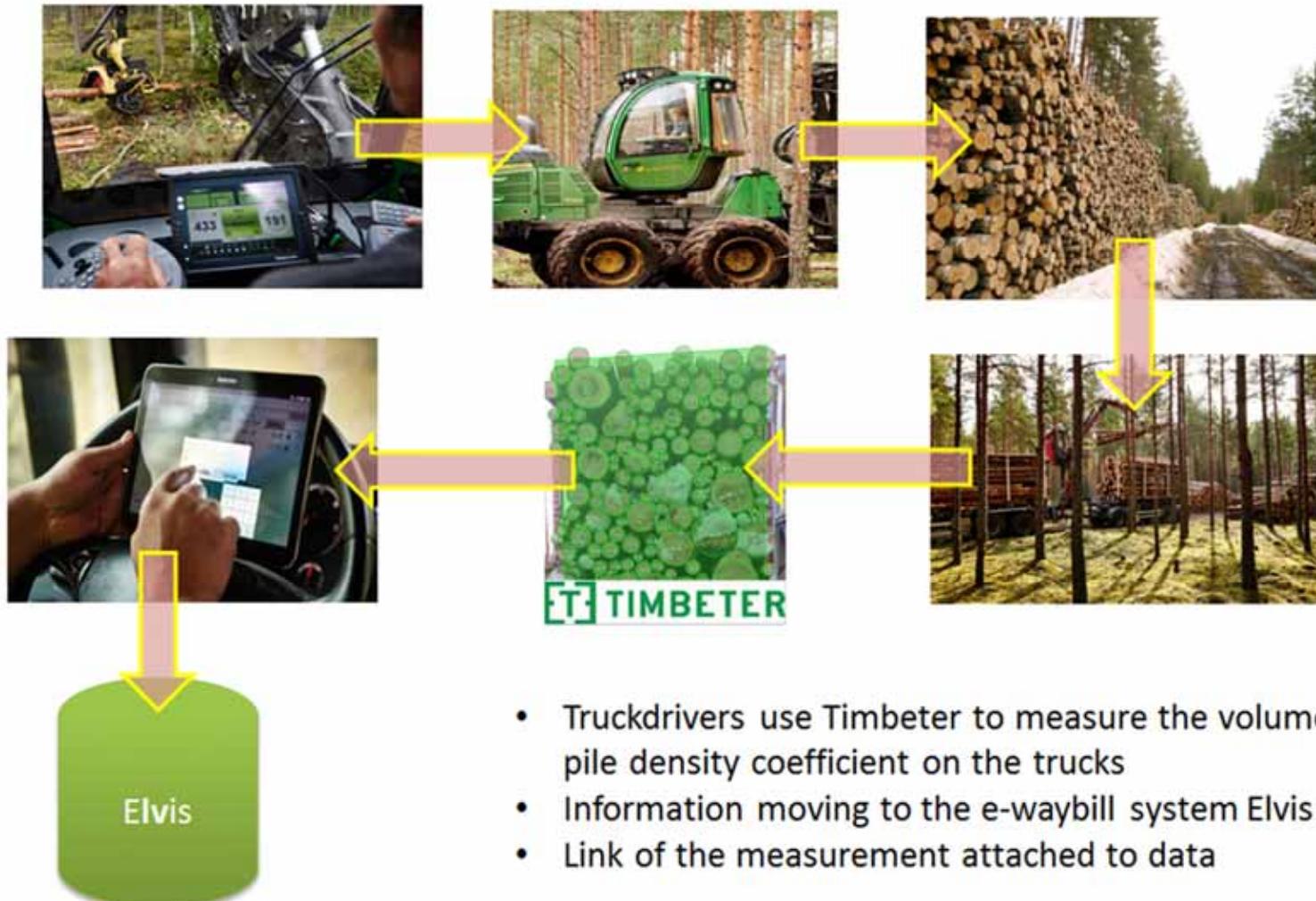
Benefits



- Quick and accurate **piece count** and volume measurement.
- All required data structured: **measurement – number of container-bill of lading**.
- Information easily shared via **link**.
- In case of disagreements **digital proof** always available.
- No **duplicate** data entries.
- Reduction of **human error**.
- All measurements can be **re-measured**.
- Number of **claims** dropped.

Estonian State Forest Management Centre supply chain

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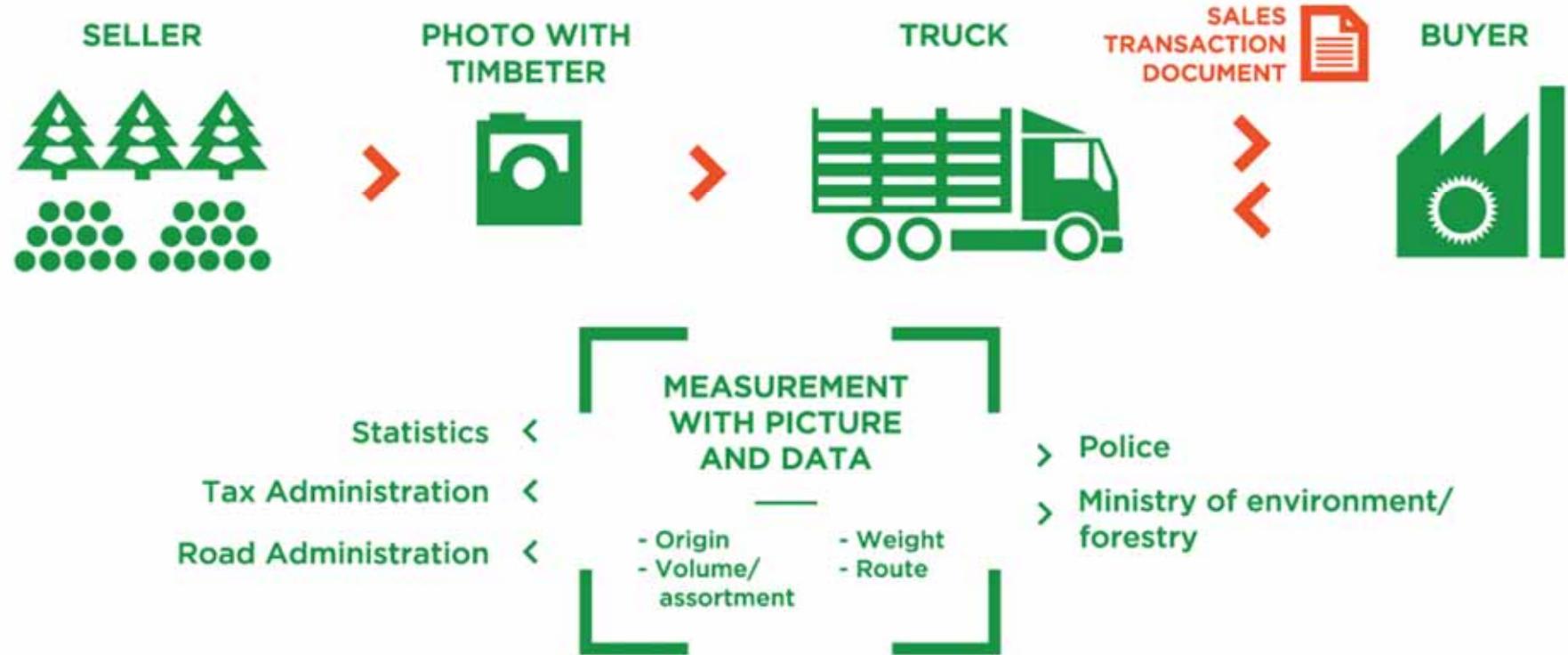
Benefits



- Exact measurement
- Digital proof of measurement
- Overview of the volumes and coefficients
- Reduction of possible human error
- Control on the weight of the truckload
- Transparency and trackability

Digital supply chain of timber

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Benefits



- Multifunctional use of data
 - Exact data on cutting volumes
 - Data for Statistics
 - Reduction of reporting for companies
- Origin of timber always known
- Digital surveillance
- Transparency
- Trackability
- Efficiency
- Increase of fair competition
- Increase of tax revenue

Next steps

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- Single high-value log
- Measurement from both side



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