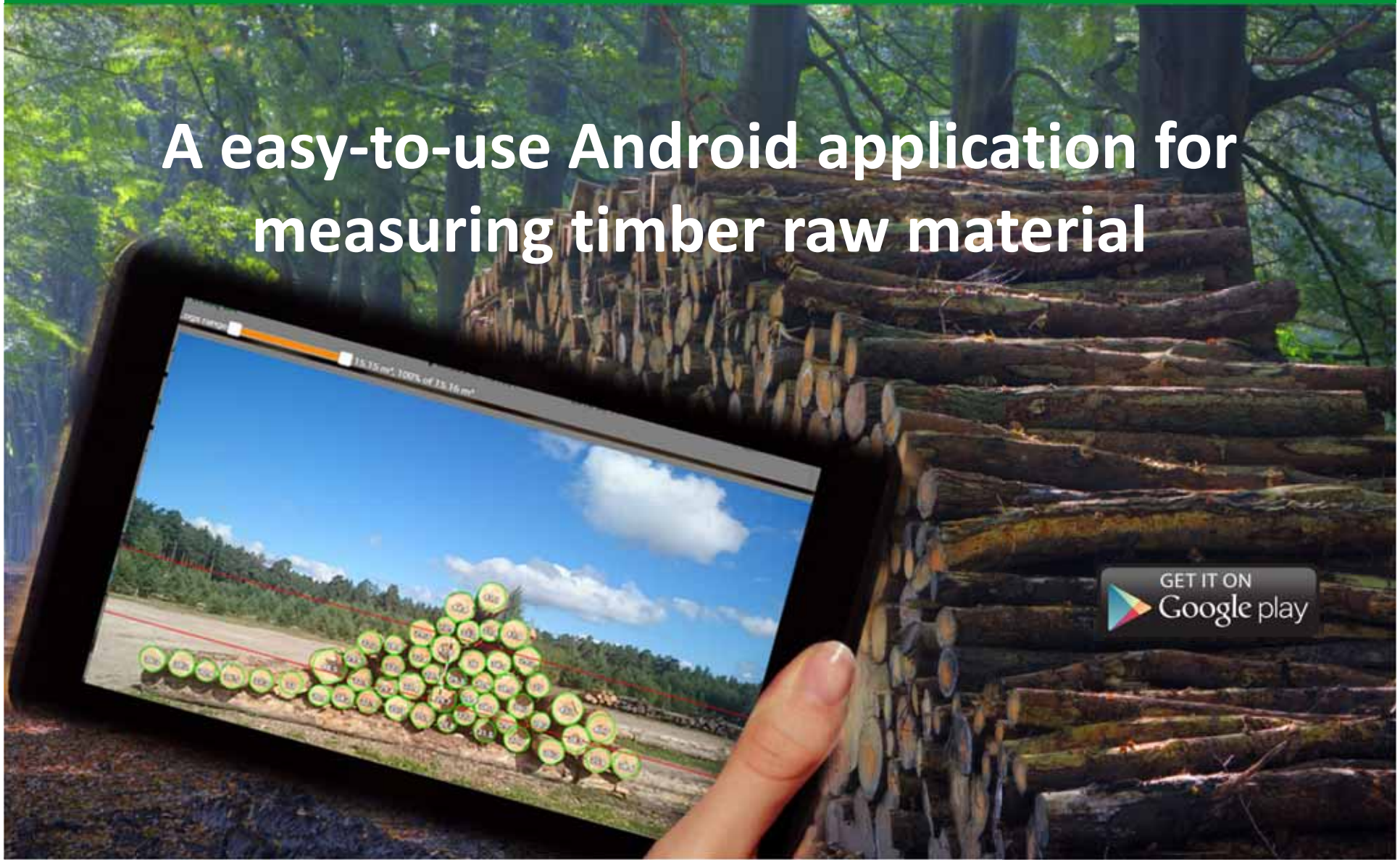
TIMBETER

What is TIMBETER?

TIMBETER



Process with TIMBETER

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How it works?

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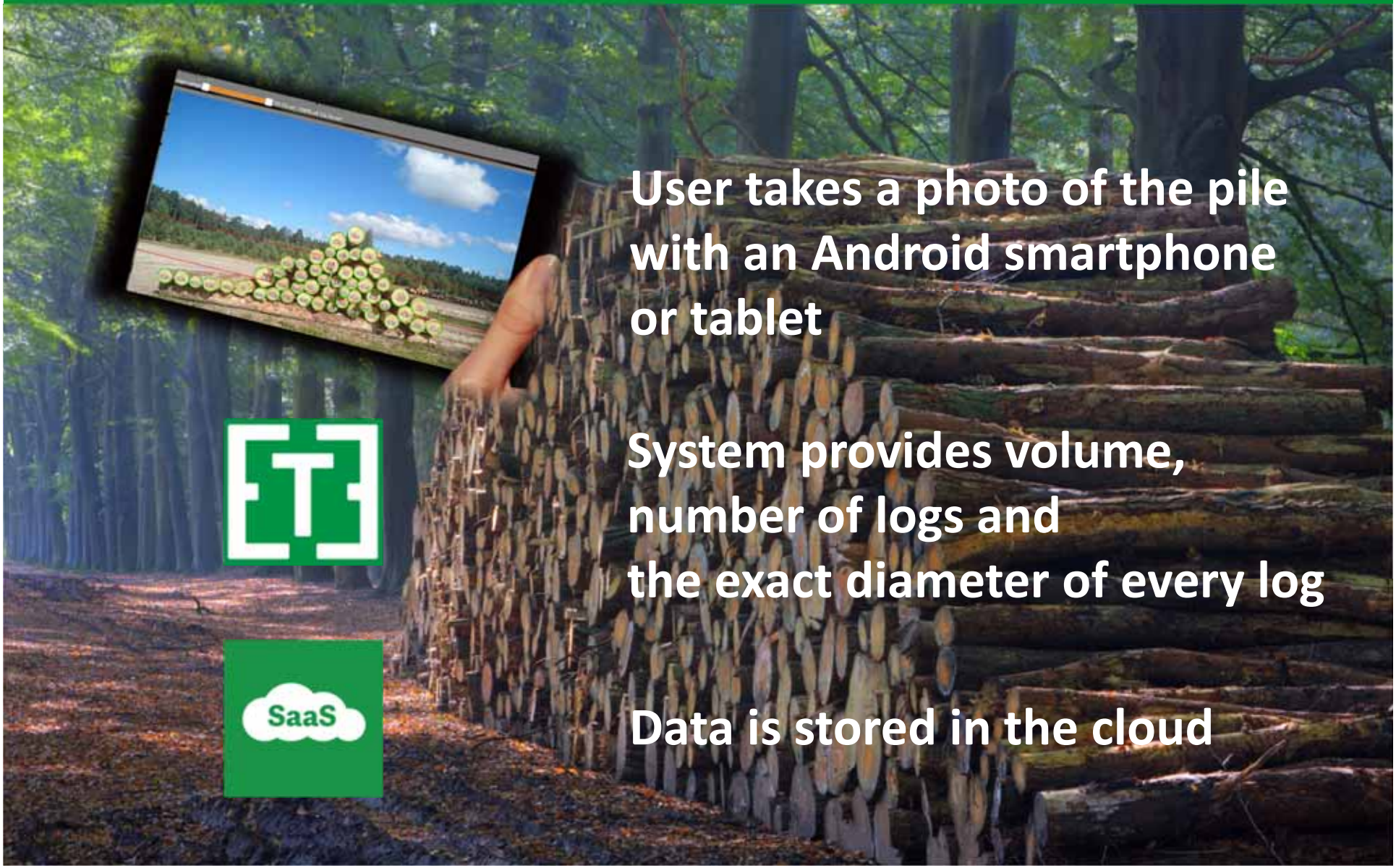


User takes a photo of the pile with an Android smartphone or tablet

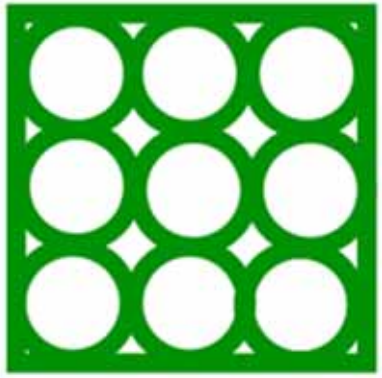
System provides volume, number of logs and the exact diameter of every log

Data is stored in the cloud

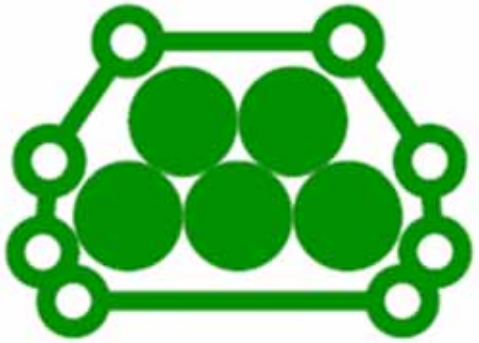
Different measurement options

TIMBETER

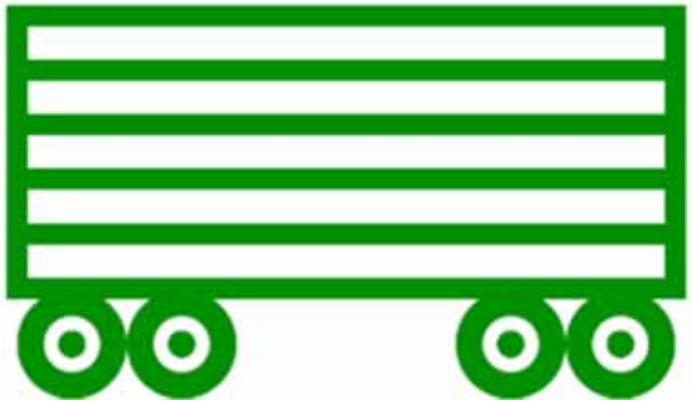
DIAMETER



CONTAINER



PILE



TRUCK

How it works?
Diameter measurement

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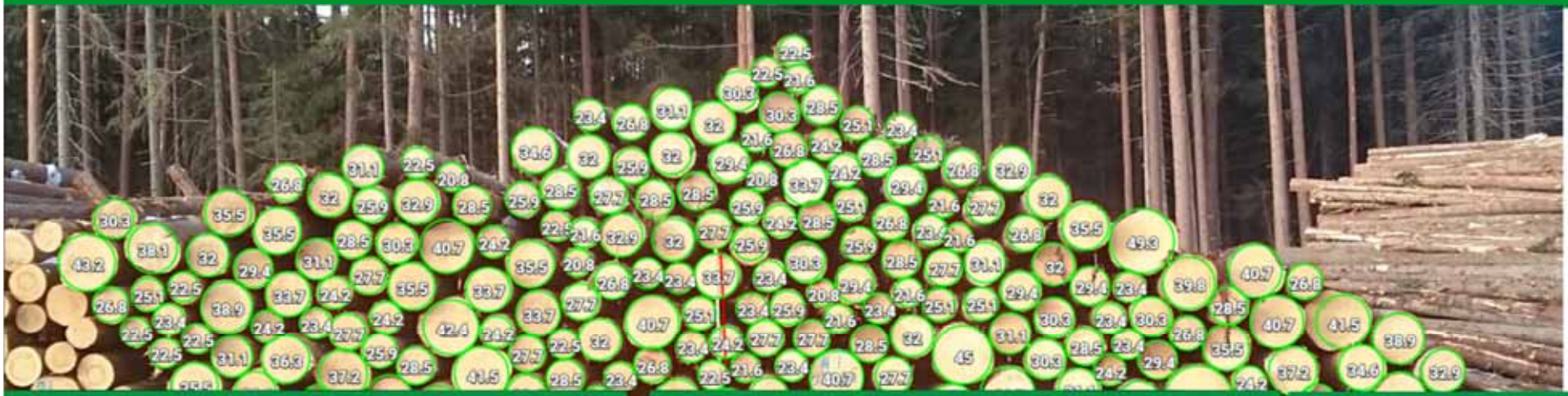

1 Location

Storage	Timbeter HeadQuarters
Latitude	58,12808
Longitude	25,13743

Save or go back

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

Different formulas for volume calculation

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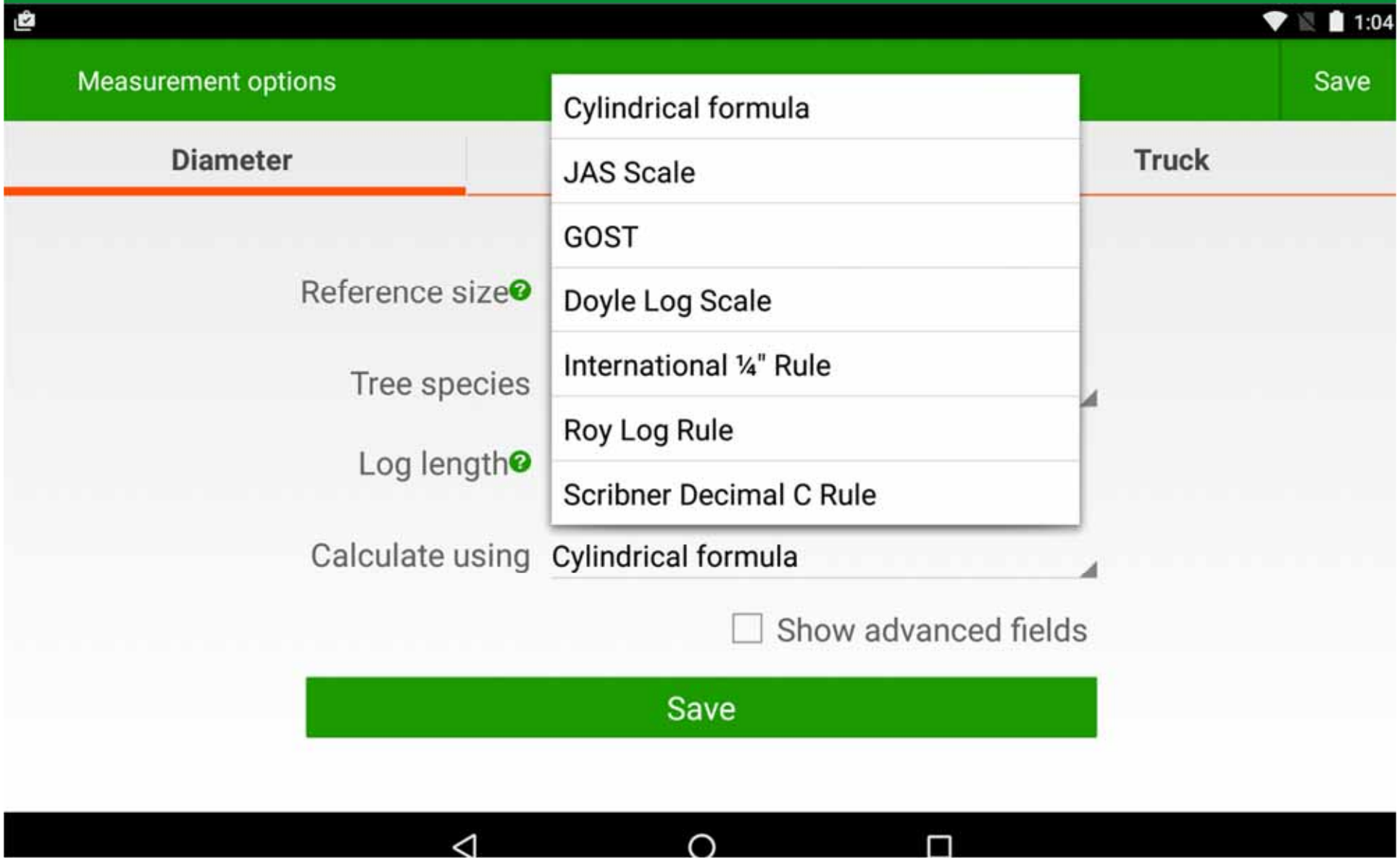

Defect-marking

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	Volume	%	Count
Total	26.78m³		309
Birch	26.11m³	97.47%	302
Cull	0.68m³	2.53%	7

Reason	Volume	Count
Wrong length	0.36m³	4
Crooked log	0.12m³	2
Wrong diameter	0.19m³	1

Algorithm

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- Machine-learning based algorithm, based on more than 70 000 pictures.

Accuracy proof

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- Certified by Metrosert – measurement certification authority

Service package

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Reporting module
for generating reports

Planning module for forecasting

Storage module
for real-time overview of all measurements

Analysis module
for data analysis

Sales module
Automatic sales transaction documents

Logistics module for efficient logistics

Goal

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Target groups

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Saw mills

Paperwood, loggers

Private forest owners

Transportation companies

Firewood manufacturers

Operators of warehouses and ports

Digital supply chain of timber

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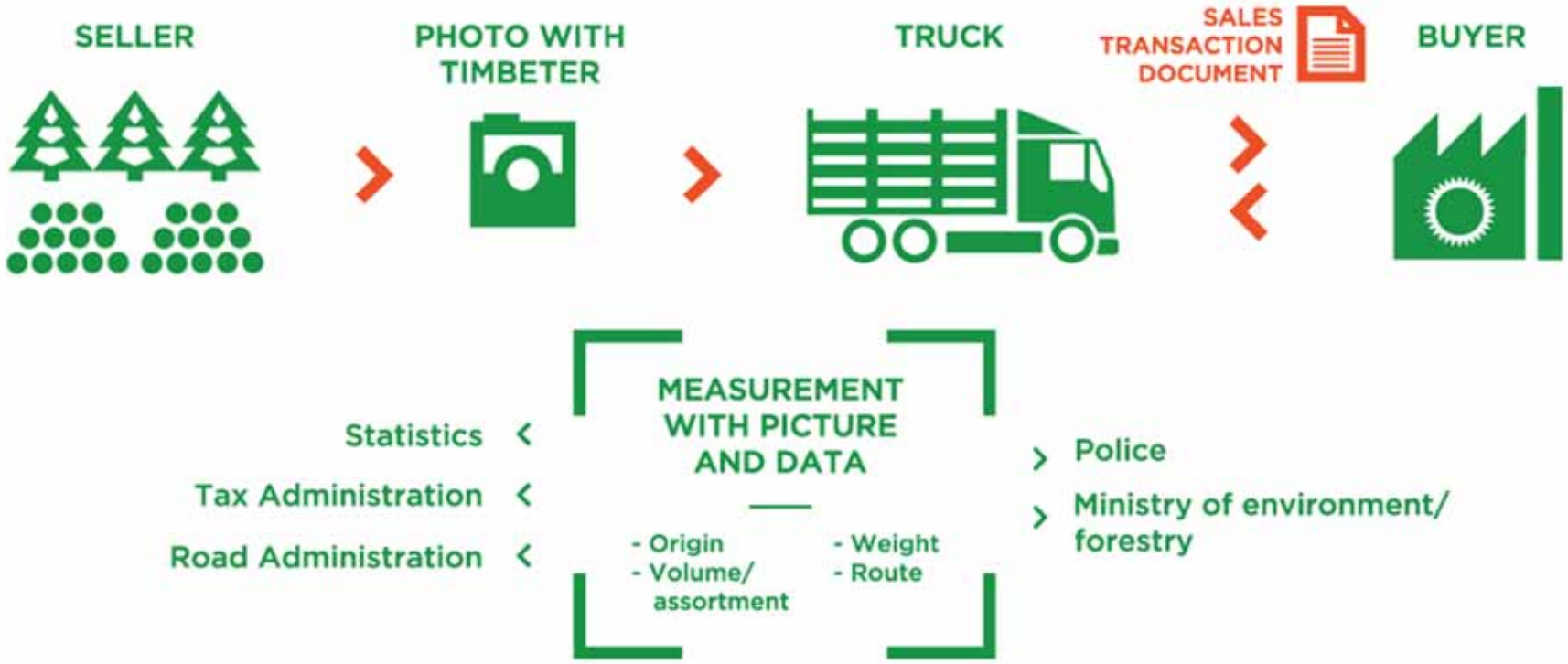

Company snapshot

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Founded in 2013 in Estonia

Backed by industry experts with more that 15 years of experience and top investors from Estonian Business Angel Network (http://www.estban.ee/)

Our solution has won many awards and entrepreneurship competitions (e.g. Garage 48 hackathon and Brainhunt entrepreneurship TV show in Estonia)

Android application launched in September 2015

No of users: 3000+

Clients from Germany, Australia, New Zealand, etc

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