ET TIMBETER

End-to-end digital platform for sustainable forest management





Digital solution to accurately measure timber logs in containers, using machine learning technology, leaving no room for error



Features include:

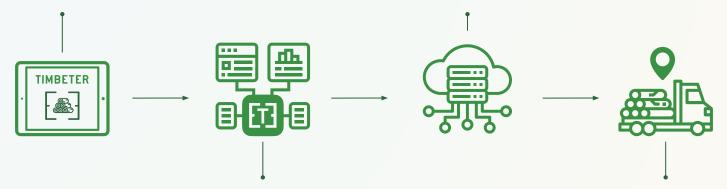
- Diameter measurement
- Log counting
- Air-filling factor calculation
- QR code detection
- Adding truck tickets/seal numbers



How Timbeter Container captures the data

Take a photo of the logs loaded into container with your smartphone or tablet

Measurements are connected to specific bookings and containers, data being real-time cloud accessible

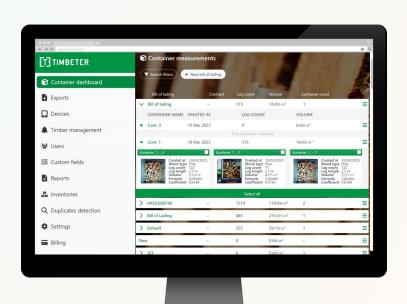


Timbeter Container does the number crunching (GPS, log count, volume, diameter etc) Shipment can be traced precisely by digital data and QR code tags



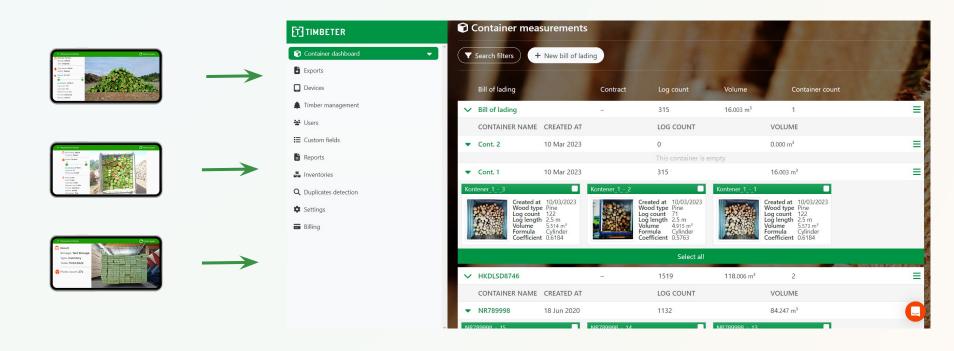
Timbeter Container Dashboard

- Dashboard of bookings/containers/measurements
- Measurements available in real-time
- Create custom assortments
- Option to edit measurements
- Downloadable excel reports
- Bookings easily shareable with clients via URL
- All devices connected to one account





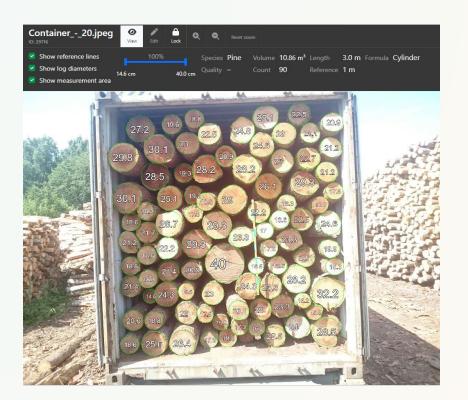
All measurements stored in the cloud





Measurements can be easily edited/corrected on the desktop

- reference size
- add/delete/resize logs
- remove logs without tag



Excel reports

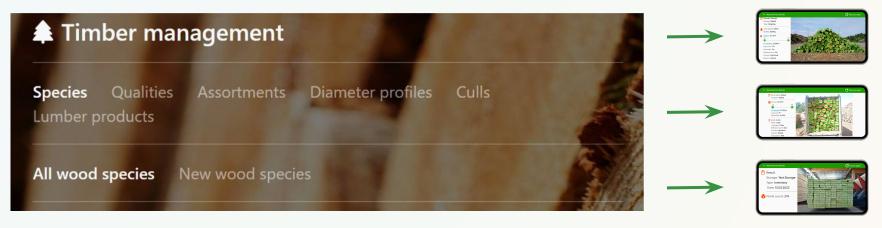
- Log distribution sheet
- Complete list of Bill of Ladings

F12	√ fx 2	E =		
	А	В		
1	Container	Container - 1		
2	Volume formulas	JAS		
3	Diameter	Count		
4	20	12		
5	22	15		
6	24	22		
7	26	10		
8	28	15		
9	30	10		
10	32	3		
11	40	4		
12	Total	91		
13	Average	25,65		
14				

	A	В	С	D	E
1	Bill of lading	Bill Of Lading - 1			
2	Container count	3			
3	Log count	252			
4	Volume	83,62 m	n^3		
5	Wood type	Pine, Spruce			
6	Link	Bill Of Lading - 1			
7		_			
8	Container	Log count	Volume	Wood type	Link
9	Container - 1	80	27,21	Pine	Container - 1
10	Container – 2	72	26,61	Spruce	Container - 2
11	Container – 3	100	29,8	Pine	Container - 3
12					
13					
14					



Company-specific data easily added



- Company can easily add storages, species, wood qualities, assortments, reasons of defect;
- Option to add custom fields;
- All account information synchronized with devices;
- Easy users and devices management



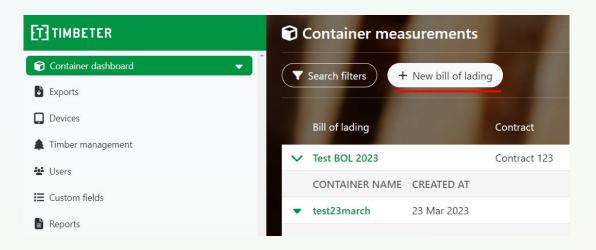
Timbeter Container Dashboard: Easy integration via API

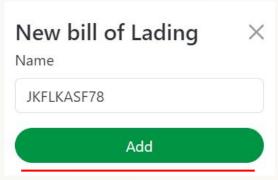
Timbeter can be easily integrated via public API with different accounting/ERP systems





1. Before taking measurements create Bill of Ladings in desktop Container Module. Press "New bill of lading" from upper menu, enter the name and press add.







2. Next step is to add containers under these Bill of Ladings.

Press the options menu button on the right side of bill of lading and choose "Add containers".

и	Bill of lading		Contract	Log count	Volume	Container count	
~	Test BOL 2023		Contract 123	217	31.59 m ³	1	
	CONTAINER NAME	CREATED AT		LOG COUNT	VOL	LUME	Add containers +
•	test23march	23 Mar 2023		0	0.00	m ³	Edit 💪
•	asdgasdg9346325	6 Feb 2023		217	31.5	9 m³	Export Share
~	318797211		-	19473	3062.95 m³	3	Archive =
	CONTAINER NAME	CREATED AT		LOG COUNT	VOLU	ME	Generate invoice
•	GKFDF13515	1 Feb 2021		60	5.21 m	3	=

3. Once Bill of Ladings and containers are set up, open the Timbeter. Container application and choose "Start Measuring".

Start a new measurement



View finished measurements

4. Next step is to take a picture of logs pushed into the container.





5. Once picture is taken, enter necessary measurement data.

₹ □ ■ 6 6		🔻 🗎 🛧 🛭 11:33
Step 1 Settings	Main menu	X Cancel ✓ Save
Use reference	☑ 300 cm	
Edit pile density		
Bill of lading	Bill Of Lading - 1	
Container	Container - 1	
File name	containerOutside	
Tree species	Birch	
Assortment		
Log length	300 cm	
Width	300 cm	
٥	0 🗆	

6. After taking picture and entering data, important is to mark the reference, which helps to calibrate the diameters and determines accuracy.

Required reference length is at least 100cm.

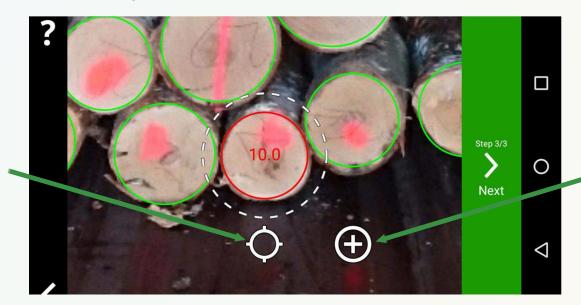
Reference has to be marked on exactly on both ends of the stick with the red line



7. As a final step, in case of a missing log or another circular object detected, add/remove circle by holding finger on the screen.

Edit diameter size if necessary.

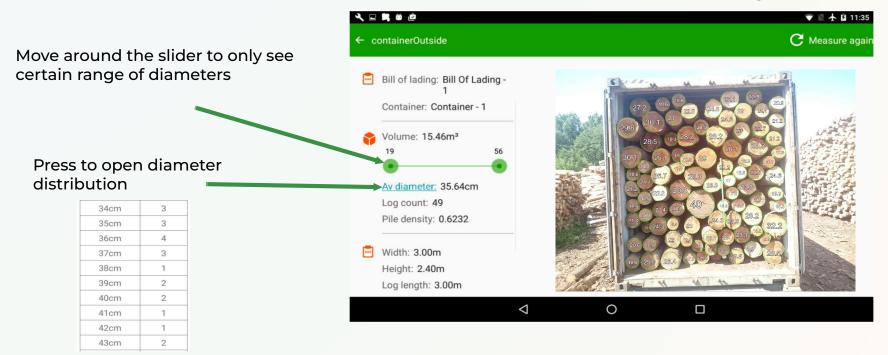
Move the circle to match the log



Make circle larger or smaller



8. Final result will display diameters, log count, pile density and total volume. View the diameter distribution or use slider to see certain diameter ranges.





QR Code detection

- QR code detection detects the tagged logs, which helps out with measuring with JAS or any other formula that is measured from smaller end diameter
- Press the QR code sign at the top-left corner and tagged logs will be detected and colored distinctively
- Helps tracking the logs throughout the export process
- Can be used as a reference









Georgia Exports Company



- Largest independent exporter of yellow pine from
 South East US to China, operating since 2012
- 7 log yards
- Started using Timbeter in 2017
- Using Timbeter for measuring incoming trucks and
 Timbeter Container for containers



Since using Timbeter



Time saving (15 time quicker than manual)



Saved 2 employees per log yard – in total 14 (yard workers+data processing people)



Return of investment from using Timbeter was 22 times



Less disagreements with buyers



Safety of employees



Automated reports



Increased customer satisfaction

Timbeter forestry management smart solution

Supply chain:



Forest



Transportation



Storages/inventories



Production



Transportation / transactions

T TIMBETER





Mobile apps for making and processing measurements









Cloud storage with online inventory, reporting and measurement editing features



Control over:



1. Timber origin



2. Transactions



3. Internal & external reporting



4. Logistics and transportation



5. Illegal activities



6. Sustainable forest management



7. Safety and working environment

Benefits



Time efficiency



Digitalization



Transparency



Cost efficiency



Reduction of human error



Prevention of illegal logging



Sustainability



Traceability



Logistics planning



Fair trade



Safety



Waste reduction



More Applications



Timbeter

With Timbeter, the log measuring process can be quicker and more accurate. Timbeter provides tools for measuring log diameters, pile and truck volumes, and pile density coefficient in less than 3 minutes.



Timbeter Log Counter

Log Counter is the most
efficient tool for log
counting. Specially useful for
pole companies or
companies who want to
measure large amounts of
logs with the same diameter
and length in a few minutes.



Timbeter Lumber

Timbeter Lumber is the most efficient tool for lumber counting and volume calculation.

Our mission

ET TIMBETER

Global solution for efficient, transparent and data-driven timber supply chain management.

Our mission is to save essential and limited resources in the forestry: trees, labour force and driven miles.



[T] TIMBETER

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