VELTO

Textile Composite Platfom

Cultivate
and keep the earth.

— Genesis 2:15 —

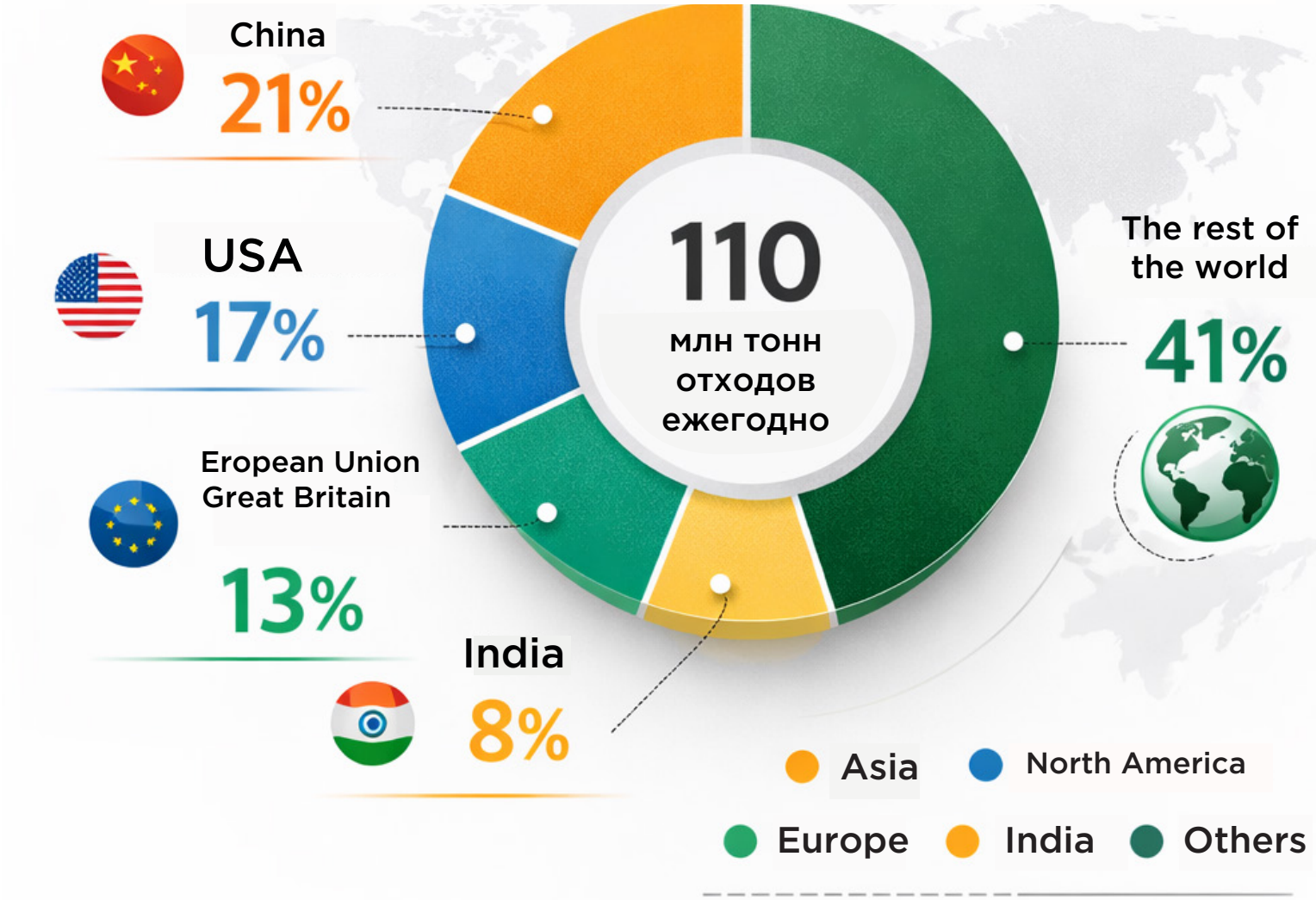
A new raw material platform for construction, furniture and interior industries

The Birth of a New Raw Materials Platform Made from **Recycled Textiles**

VELTO is a next-generation engineering platform that transforms textile waste into high-density composite materials for the construction and furniture industries

Global Textile Resource

Over 110 million tons of textile waste annually



Less than 15% of textile waste is recycled industrially.
Most of it ends up in landfills or is incinerated.
China, the United States, Europe, and India account for the largest volumes of textile trade.

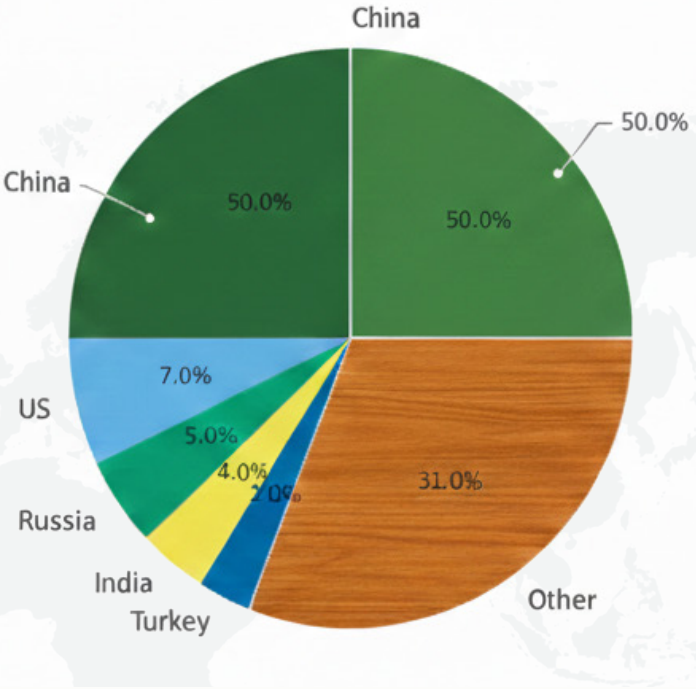
Textile waste isn't trash. It's an untapped engineering **resource.**
It's not a disaster—it's a **source** of raw materials.

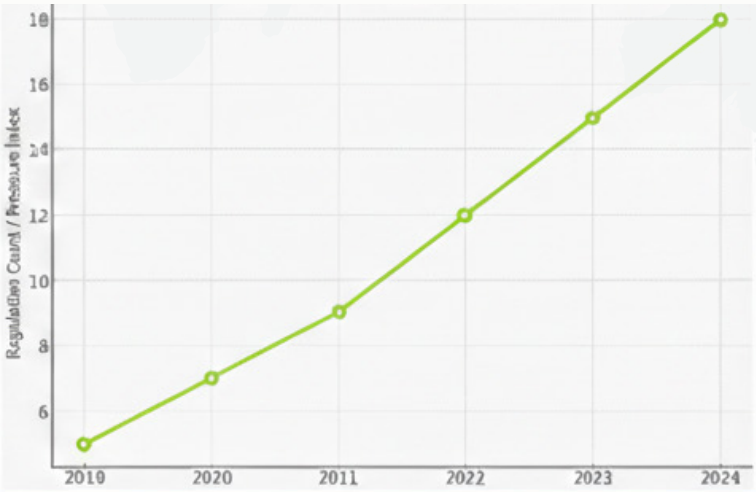
Structural constraints in the timber industry

The global market for wood-based panels (MDF / HDF / OSB) is estimated at $110–115 billion. Demand has grown by 40–80% in recent years.

Tighter environmental standards (E0 / E1 / EU)

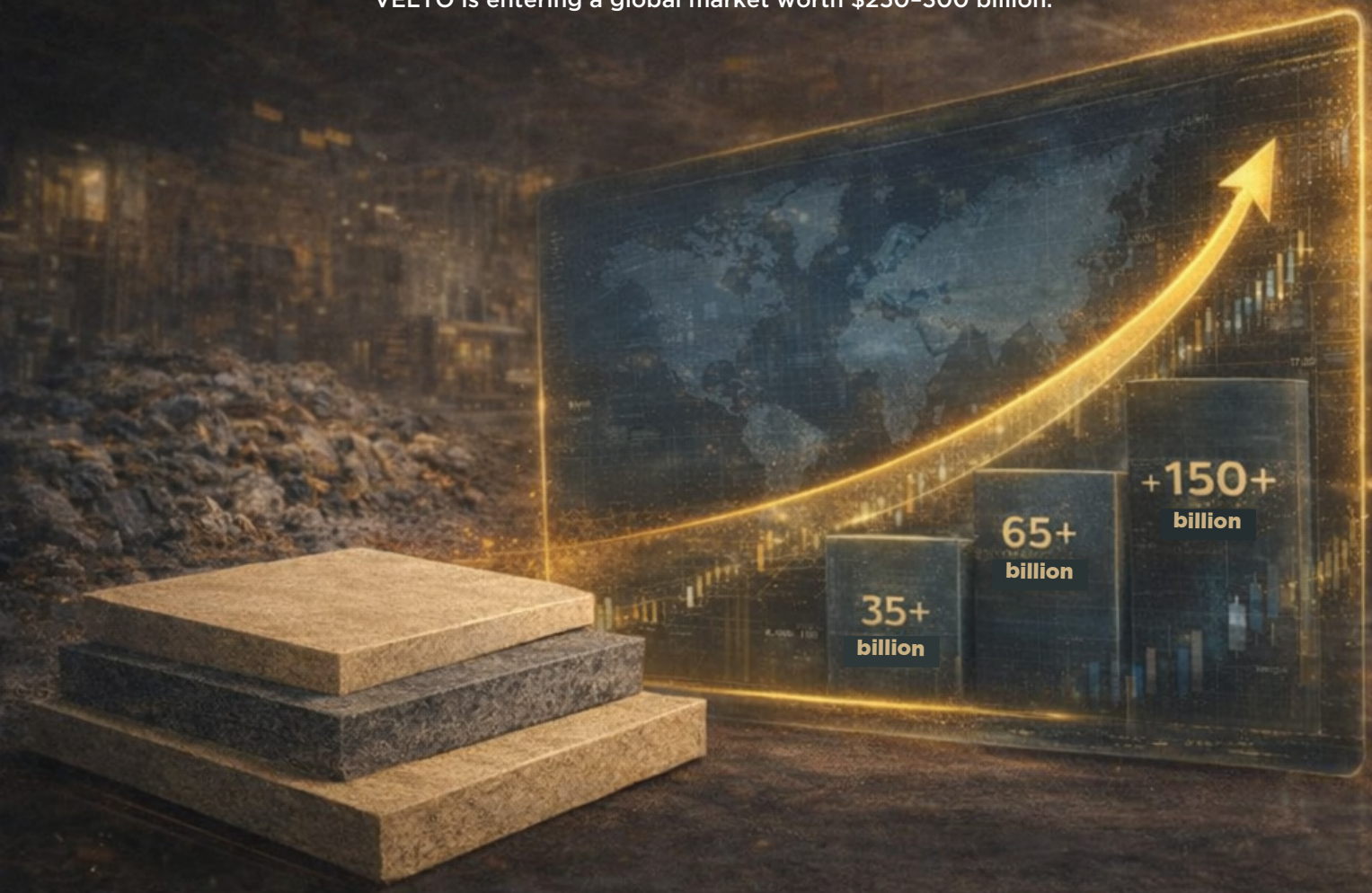
Dependence on forest resources and logistics.
The industry needs an alternative, stable source of raw materials.





The Global Composite Panel Market

VELTO is entering a global market worth $250–300 billion.



- Building panels - **150+ billion**
- Furniture panels for cabinetry and office furniture – over **65 billion**
- Door panels - **35+ billion**

Textiles are becoming a new industrial raw material

Every year, there is
110+ million tons
textile waste

VELTO transforms this resource into engineered composite materials

1%

1,1 mln tons
from waste

↓

> 67 mln m²
panels

↓

≈1–1,5
MIIN trees

≈1,1–1,2
MIN TONS CO_2

Technical solution

VELTO CORE - Textile Composite Platform

Density range: 450–1,500 kg/m
The material is suitable for a variety of engineering applications:
- building panels
- furniture frames
- door panels
- flooring systems

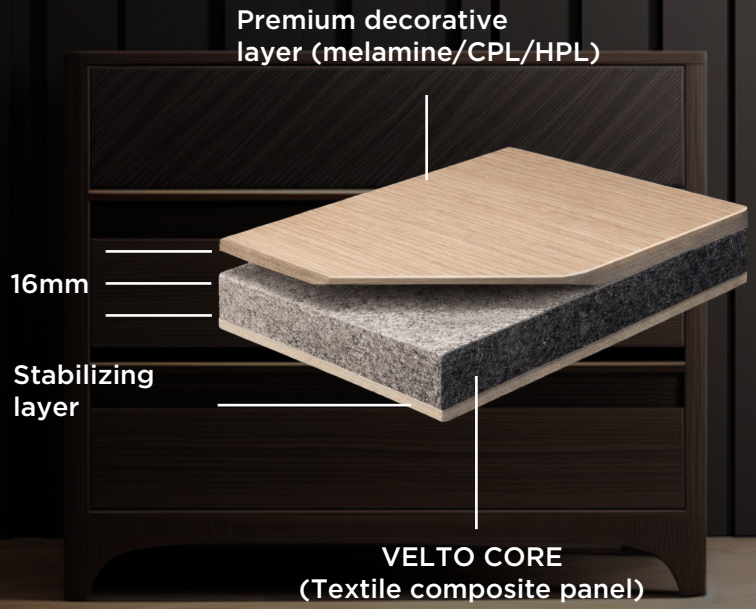
Benefits of VELTO CORE:

Mechanical properties:
- high elasticity
- impact resistance
- dimensional stability

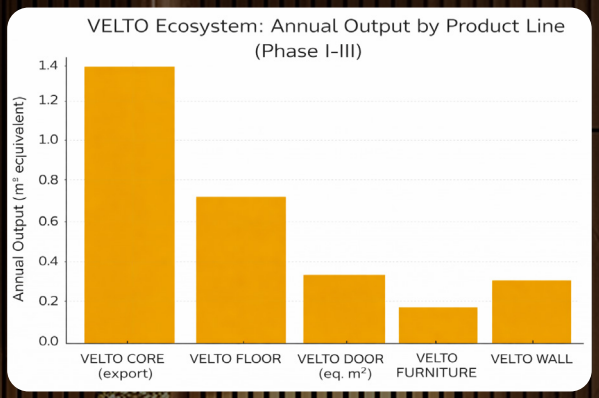
Environmental parameters:
- formaldehyde-free
- wood-independent
- ESG compliance

Economic model:
- locally sourced raw materials
- scalability
- export potential

Industrial compatibility:
- compatible with CPL / HPL / melamine
- suitable for milling and lamination
- adaptable to existing production lines



The VELTO Ecosystem
One platform—four industries



VELTO CORE — base platform

VELTO FLOOR — water-resistant laminate flooring

VELTO DOOR — door panels

VELTO FURNITURE — furniture panels

VELTO WALL — wall panels

VELTO WALL

VELTO FLOOR

VELTO CORE

VELTO FURNITURE

VELTO DOOR

VELTO FLOOR

Waterproof flooring system

Dimensions: 1220 x 210 x 6/12 mm
Density: 900–1500 kg/m³

- Water-resistant layer
- Wear-resistant AC4
- Does not contain formaldehyde
- Easy installation
- High-density fiberboard

An engineered alternative to traditional laminate flooring, offering enhanced moisture resistance and stability

VELTO DOOR

Engineered door panel

- Durable surface
- High-density fiberboard
- Soundproofing
- Water-resistant layer
- Does not contain formaldehyde

Core: VELTO CORE 16–40 mm
Surface: CPL / HPL / melamine

Advantages:
geometric stability
moisture resistance
no swelling

A platform solution for the door industry

VELTO FURNITURE

The Furniture Industry Powered by

Base:
VELTO CORE 16 mm

Applications:
Kitchens and cabinetry
Residential furniture
Office and public spaces
Furniture fronts

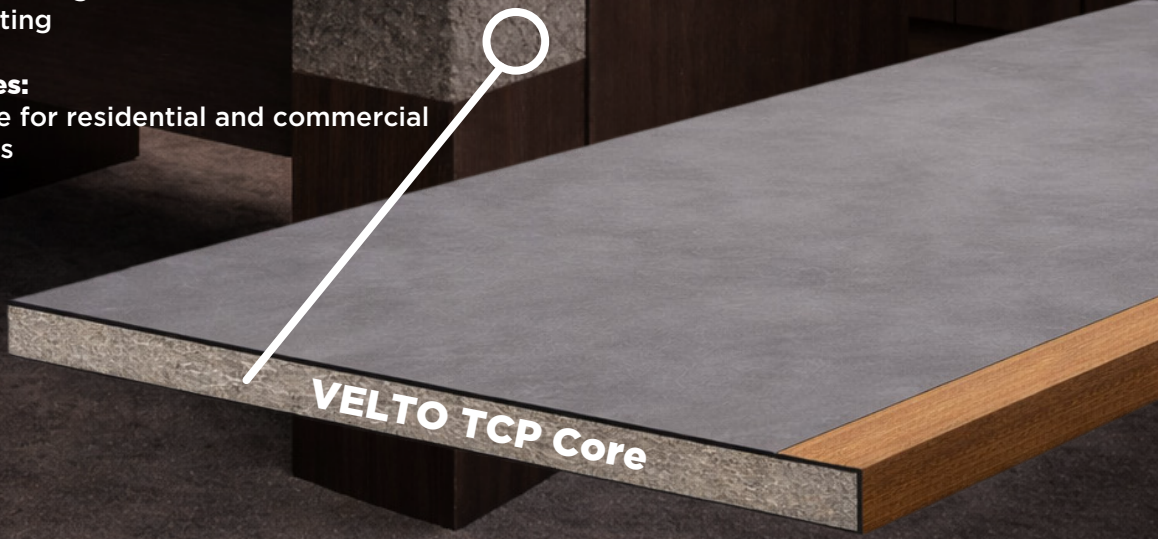
Compatibility:
Routing
Edge banding
Laminating

Features:
Suitable for residential and commercial interiors

High-density fiberboard

Water-resistant layer

Soundproofing



An engineering alternative to MDF and particleboard in the furniture manufacturing sector

VELTO WALL

Next-generation wall panels

Premium decorative
layer (melamine/CPL/HPL)

6mm
8mm
10mm

Stabilizing layer

VELTO CORE
(Textile composite panel)

Advantages:
acoustic properties
impact resistance
easy installation

Engineered panels for interiors and commercial spaces

Strategic conclusion

VELTO is:
a new raw materials base for the 21st century
independence from wood resources
an ESG-compliant industrial model
a scalable platform
export-oriented production

Conclusion

Velto is not a standalone product. It is a new industrial architecture emerging at the intersection of two global factors:
the rise in textile waste
and the constraints of the timber industry

Velto transforms waste into engineered composites and forms a sustainable materials system for the 21st century.

Velto—the transition from waste to value.
From local raw materials to a global platform

Global Presence & Contact

Project Ownership
The VELTO project and all related
intellectual property are owned and developed by:
Asia Silk Wallpaper
Nabieva Street 4, Samarkand
Republic of Uzbekistan
This entity is responsible for
the development of the technology,
production base and material
innovation behind the VELTO platform.

Headquarters
Headquarters — Uzbekistan
VELTO is managed and developed
by the core team based in Uzbekistan.
The headquarters oversees technology
development, material engineering and
strategic direction of the project.
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