

A scenic landscape photograph showing a lush green valley floor in the foreground, flanked by large evergreen trees. In the background, a steep, forested mountain rises under a cloudy sky where a faint rainbow is visible. The overall tone is natural and serene.

WASTE-FREE WOOD PROSESSING

Business-Ecology Project

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Forest is very nice

Quit

Song of birds

Fresh air

**Sense of unit
with nature**



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But we must do not
forget that forest is
a source of raw
materials



Forest is a source of wood

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Humanity don't have any wishes to abandon wood products

But we must to have understanding that for fabrication of one cubic meter of planks we need to use up two or more cubic meters of round wood



Half or more of a wood is changing to a sawdust only on first stapes of sawing

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**New technology
give new wares
and materials and
which to do our
life comfortable**

**Plastic packing
and dishes are
handy,
inexpensive and
practical for
users**



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But during short time the nice turn into plastic trash



Planet turn into landfill.....

Why are would like to live on a landfill?

What must we do?

**Do not use wood
wares?**

**Do not use plastic
wares?**

**Waste much money
for trash utilization ?**



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We understand that do not may change world in one time

**But we are businessmen
can help the world become
a cleaner and make money
on the purification**


**Project of Wood Processing
Without Waste-Free is your steps for help the
world become a cleaner and bring money to you**



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Waste-Free Wood Processing is a production of a carving wood and a wood wares. Wood waste which accompany the production will be used as a source for a NEW high quality material and for compensation own energy needs.

A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, adding a naturalistic touch to the design.

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Waste which accompany
a wood production and
a plastic trash we may
use for fabrication of
new material –
POLYWOOD



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Polywood another name WPC (Wood-Polymeric Composite) the material which is produced by extrusion of milled wood and plastic

For our case a source for WPC will own wood waste and plastic trash

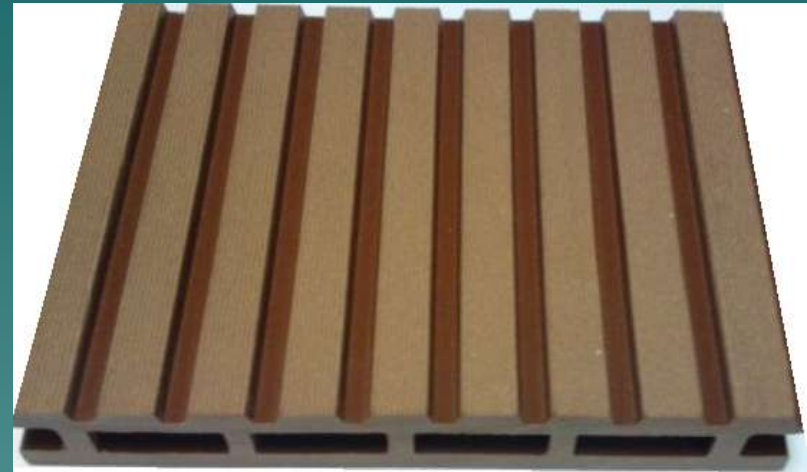
The result is not toxically to humans materials and products



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Polywood products is a wares for which traditionally use a quality wood: plank, transport pallets, sheathing, decking and other



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Polywood features

- ◆ Resistant to all whether conditions
 - ◆ Has a stabile geometry
 - ◆ Resistant to shock and mechanical stress
 - ◆ Does not slip through the corrugated surface
 - ◆ Does not have knots and splinters
 - ◆ Has uniform resistant color
 - ◆ Resistant to bacteria, fungi and insects
 - ◆ Does not need special care
 - ◆ Is a high ecology material
- 
- A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, adding a decorative element to the background.

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Polywood products (WPC) have such characteristics

Characteristics	Unit	Value
Mechanical features :		
Load on a floor	kg	350
Bending strength	H/mm2	20
Elasticity of flexure	H/mm2	420
Weight	kg/meter	2,5
Exposure to moisture:		
Changing a sizes in water (24 h)	%	3
Changing a sizes (length)	%	до 0,3
Changing a sizes (width)	%	до 0,6
Changing a sizes (thickness)	%	до 2
The test of heat: thermal expansion coefficient in the direction of extrusion	K-1	20-35*10-6

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Manufacture is desirable for placing near to large settlements that will allow to provide manufacture by plastic trash.



Manufacture is desirable for placing near to other wood processing factories for supply of a wood waste if will be need



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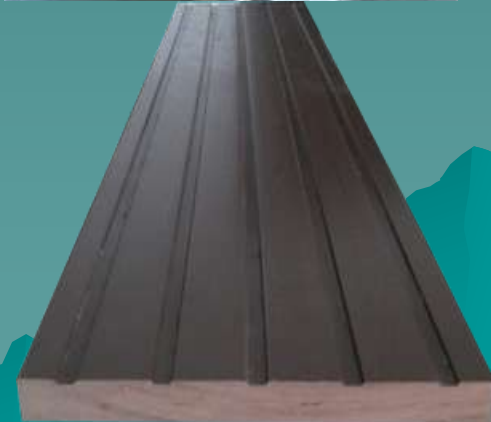
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Procured for the production: a round woods and a waste of timber cuttings will be processed for qualitative saw-timbers (planks, bar) and for wares (parquet, lanel)



Waste of timber cuttings and own waste wood with plastic trash will be processed to Polywood

The bad quality wood waste will be processed to fuel granules for own energy needs



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The main advantages of such manufacture are industrial flexibility and extremely low cost of recycled resources

Also the given manufacture has high ecological efficiency



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Production which can let out such manufacture has demand, both in a home market and on a foreign market

It is possible to direct a part of received profit from the first manufacture on the organization of the same enterprises in other regions of the country



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The enterprise will not depend on quotas which a regional power allocate for timber cuttings and will allow to loading manufacture by raw material in full



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Terms of start up after the beginning of financing of the project - 9 months

Term of a full recoupment if orientation of manufacture WPC will orient to the cheapest segment of products - 5 years

Cost of realization of the project – 1,5 million USD



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Whether there are for today the enterprises which are letting out products from WPC?

Yes exist, but such enterprises are focused on processing of round wood and the granulated primary polymer

The given project assumes to use secondary raw material to do money of trash



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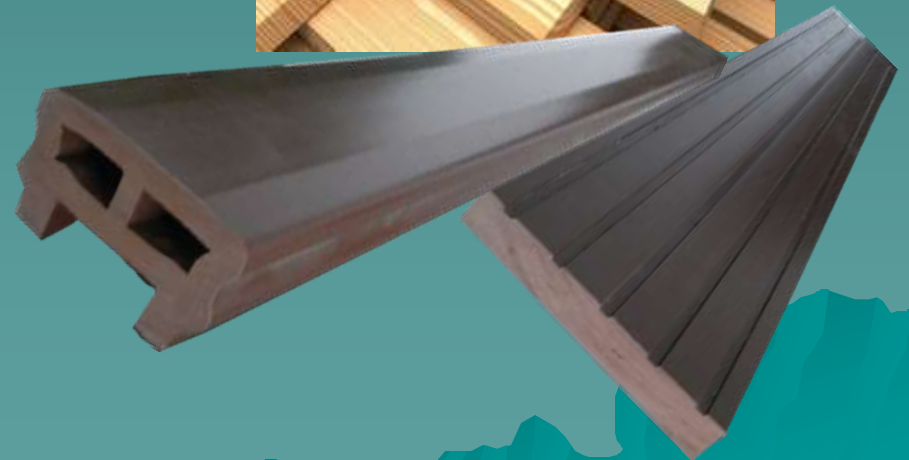
We suggest creating ecologically useful and profitable business which will be bringing a profit and will rational to use natural resources of a planet, will to assist a society in recycling a trash



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Participation in the project is especially favorable to the companies which business is connected with building or delivery and sales of building materials



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You may ask business plane of project
from:

