



Industrial engineering  
thermomechanical modified  
soft-wooded broad-leaved species



## Thermomechanical modified soft-wooded broad-leaved species

The purpose of the investment proposal is an establishment of production of the thermomechanical modified soft-wooded broad-leaved species

Project description	Engineered and patented a modulation technique of soft-wooded broad-leaved species with imparting unique properties. Thermomechanical modifying of the soft-wooded broad-leaved species performs under the high temperature and pressure at a short time and provides for the improvement of the wood properties to the level of hard-wooded broad-leaved species (for example oak, ash) without the use of chemical substances.
Project scope	<ul style="list-style-type: none"><li>• establishment of production with a high added value of products;</li><li>• expansion of the raw material base for manufacturing products of wood;</li><li>• import substitution of hard-wooded broad-leaved species;</li><li>• added-value wood conversion.</li></ul>
Product	Densified lamina 4-6 mm thick.
Raw material	Soft-wooded broad-leaved species such as alder, birch, and spruce that sprouts in the Republic of Belarus is worth to use as a raw material.
Major consumers	Companies looking for alternative raw materials for the production of floor surfaces (parquet), furniture, stairs, and doors.
Project benefits	<ul style="list-style-type: none"><li>• the ability to embed a workflow into the established manufacture;</li><li>• environmentally friendly technology and environmentally sound product as a result.</li></ul>



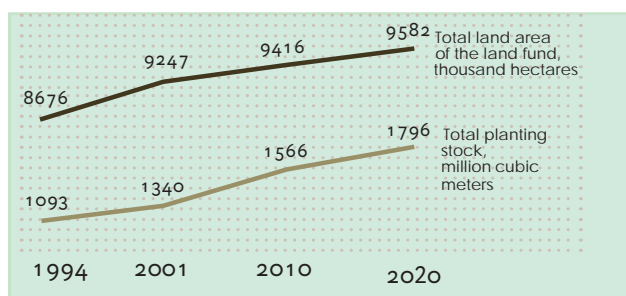
## Project

Thermomechanical modifying of the soft-wooded broad-leaved provides for the improvement of the wood properties to the level of hard-wooded broad-leaved species.

The technology of thermomechanical modifying is environmentally friendly. It isn't chemicalized. Wood is modifying at a temperature of 100-110 °C by the use of irreversible deformation.

## Forest sector of the Republic of Belarus

Factors dynamics of the forest fund of the Republic of Belarus.



Key indicators of the forest fund on the 1st January 2020.

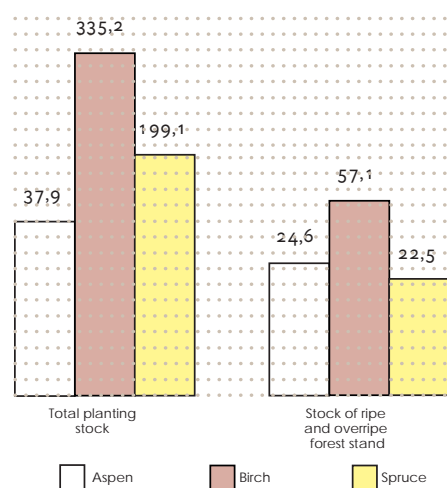
- forested area – 8260,9 thousand hectares
- ratio of forest land to the total land area – 39,8%;
- total standing forest volume – 1796,0 million cubic meters;

The market has the following prices for the necessary resources:

- aspen – 26 BYN/м³ (12,3 USD/м³, 10,6 EUR/м³);
- birch – 30 BYN/м³ (14,2 USD/м³, 12,2 EUR/м³);
- spruce – 31 BYN/м³ (14,7 USD/м³, 12,6 EUR/м³).

Belarus is one of the top ten forest states in Europe (ratio of forest land to the total land area – 39,8%).

STOCK VOLUME OF ASPEN, BIRCH, SPRUCE  
MILLION CUBIC METERS



## Conditions of participation

Investor contribution – 3 million dollars USA.

The Belarusian State Technological University will act as a partner on the Belarusian side.

# NATIONAL AGENCY OF INVESTMENT AND PRIVATIZATION

Agency is ready to assist foreign investors interested in doing business in the Republic of Belarus:

- Presentation of information on investment opportunities, preferential regimes, and benefits offered, industries, legislation
- Presentation of actual figures on investment projects
- Selection and presentation of information on land and premises options
- Search for potential partners for the sale of investments project arrangement of the meeting, negotiations with potential partners for establishing cooperation
- Providing platforms for negotiations and support
- Organization of visits to the Republic of Belarus (development of accommodation programs, assistance in obtaining a visa)
- Presentation of investor interests in negotiations with government representatives on the implementation of investment projects, as well as on improving business in the Republic of Belarus
- Post-investment support



НАЦИОНАЛЬНОЕ  
АГЕНТСТВО ИНВЕСТИЦИЙ  
И ПРИВАТИЗАЦИИ  
РЕСПУБЛИКА БЕЛАРУСЬ

## Телефон

+375 17 200 81 75  
+375 17 226 41 66

## Факс

+375 17 226 47 98

## E-mail

[mail@investinbelarus.by](mailto:mail@investinbelarus.by)