



USE OF WASTE FROM HYDROLISIS PRODUCTION

**Presentation of the project construction of the plant
for production of fuel pellets in the Omega region
capacity of 150 thousand ton/year**



Actuality of the project

Global growth of industrialization has led to increase of carbon emissions into the atmosphere and as a consequence of global environmental degradation of the entire planet.

One of way the to reduce carbon emissions, is to replace whole volume of consumption of traditional carbon-based fuels to alternative fuels.

This situation has led to high demand for biomass fuels. And as a consequence is a stable growth in prices for this type of fuel (10-15% per year)
www.Energy.eu - Europe Energy portala.url

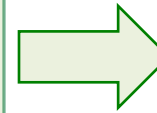
European analysts have noted a steady increase in demand for industrial wood pellets for the period of 2000-2010, with increased consumption of 20-30% per year.
EUBIA - European Biomass Industry Association Glavnaya.url
PELLETS @ LAS - www.pelletsatlas.info_ny.url

To solve this environmental problem the world community has adopted several measures to promote effective transfer of power plants to alternative fuels:

- Ratification of the European countries to the Kyoto Protocol.
- Ratification of the Environmental Code "Green Book " in the EU.
- Ratification of the EU laws of economic incentives and tax base penalties (tax on 1 ton of CO2 emissions is 28-38 Euros).
- The development of global business trading limit for carbon emissions.
Biomass fuels become commodities.
- Methodical transfer of power plants in Europe to biomass fuel to reduce carbon emissions.

This situation on the biofuel market confirms the effectiveness of our project to build a plant in the town of Onega, Arkhangelsk region for the production of industrial wood pellets in order to realize the final product in the energy market of EU countries.

Raw materials stored in open piles at a distance of three kilometers from the industrial site. The volume of stocks of raw material is 8 ml. tons.



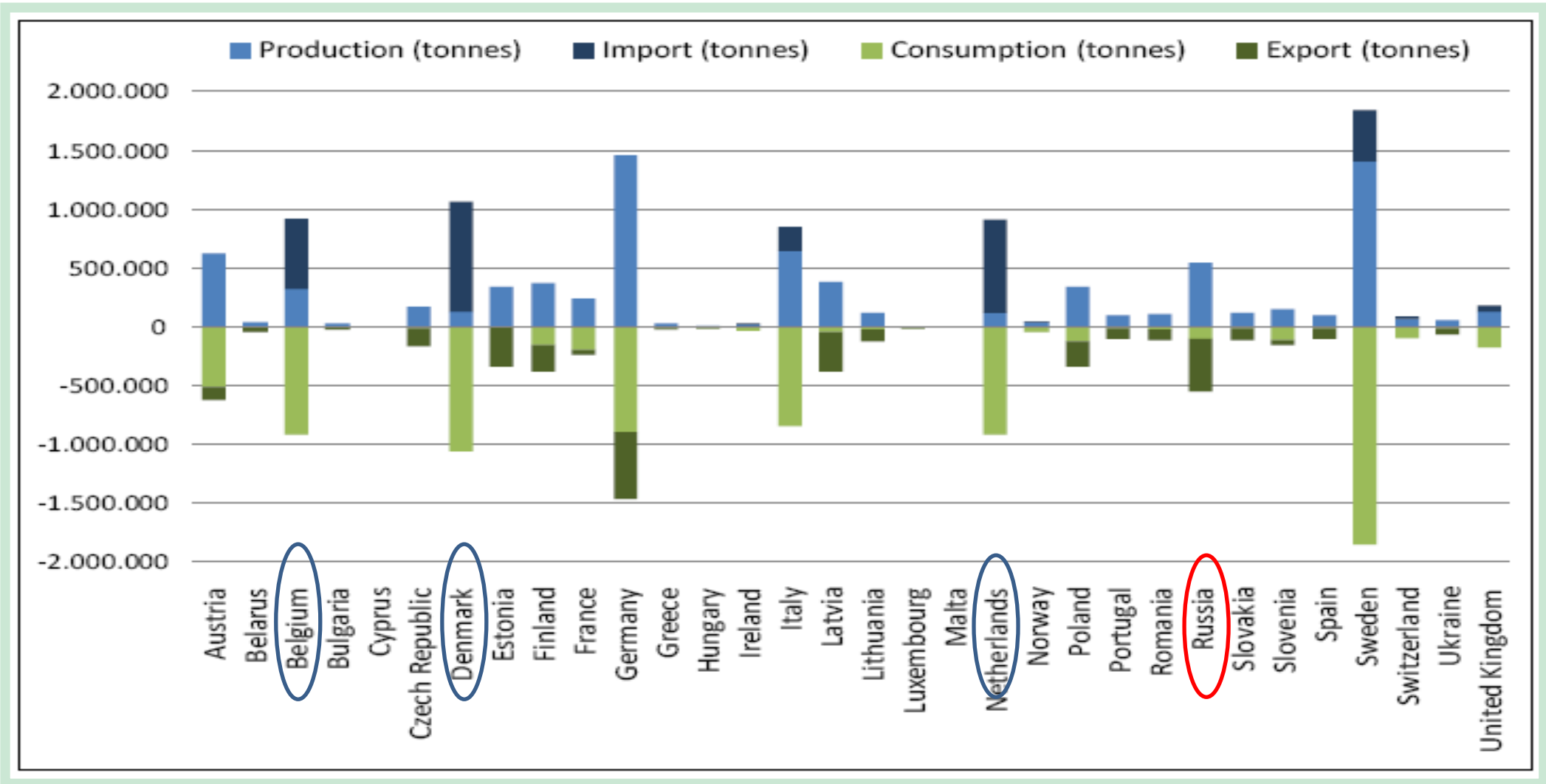
Raw material is a waste of hydrolytic production small disperse, wood, saw dust mass. Moisture content - 55%
Estimated cost of raw materials 1 ton = € 12



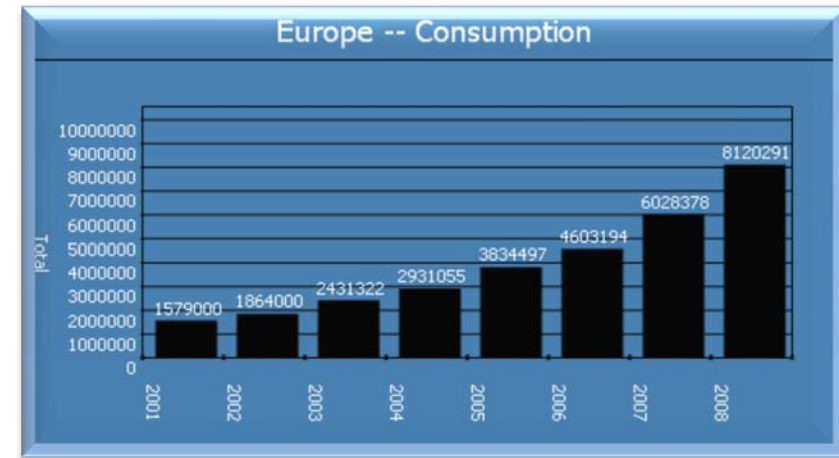
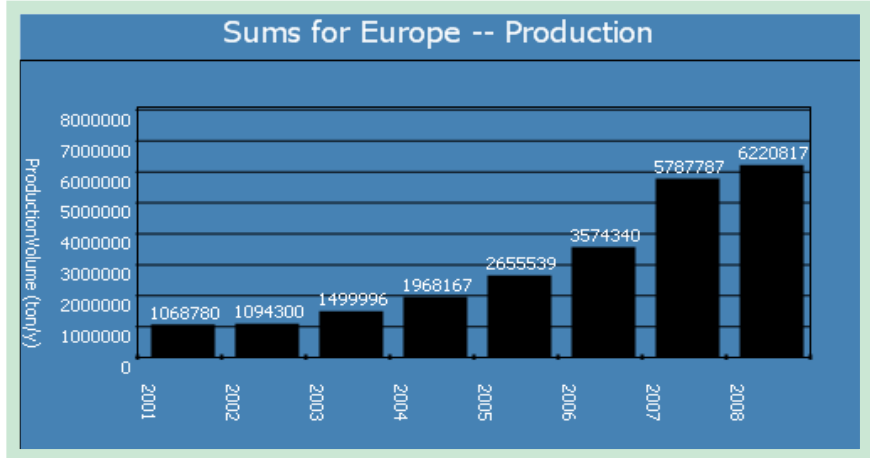
The finished product - industrial pellets
Ø-8 mm, L-8-15 mm, bulk density, 0,7-0,85 t/m³, the matter density, 1.1 t / m³



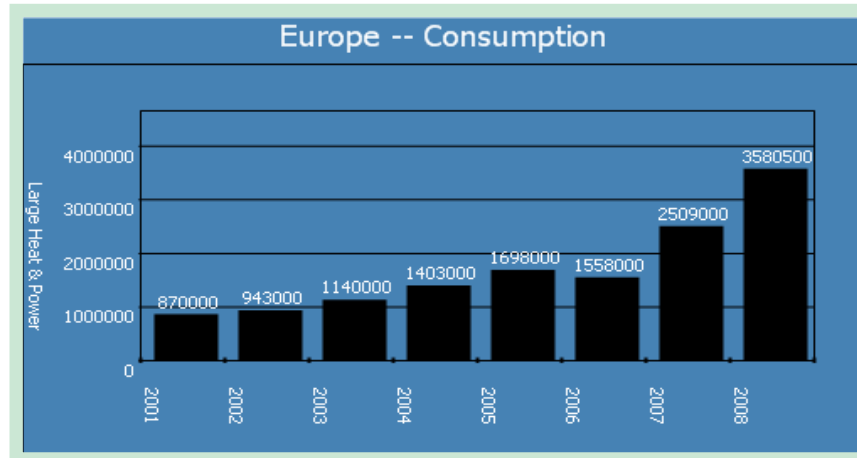
Balance of consumption and production of pellets in Europe in 2011



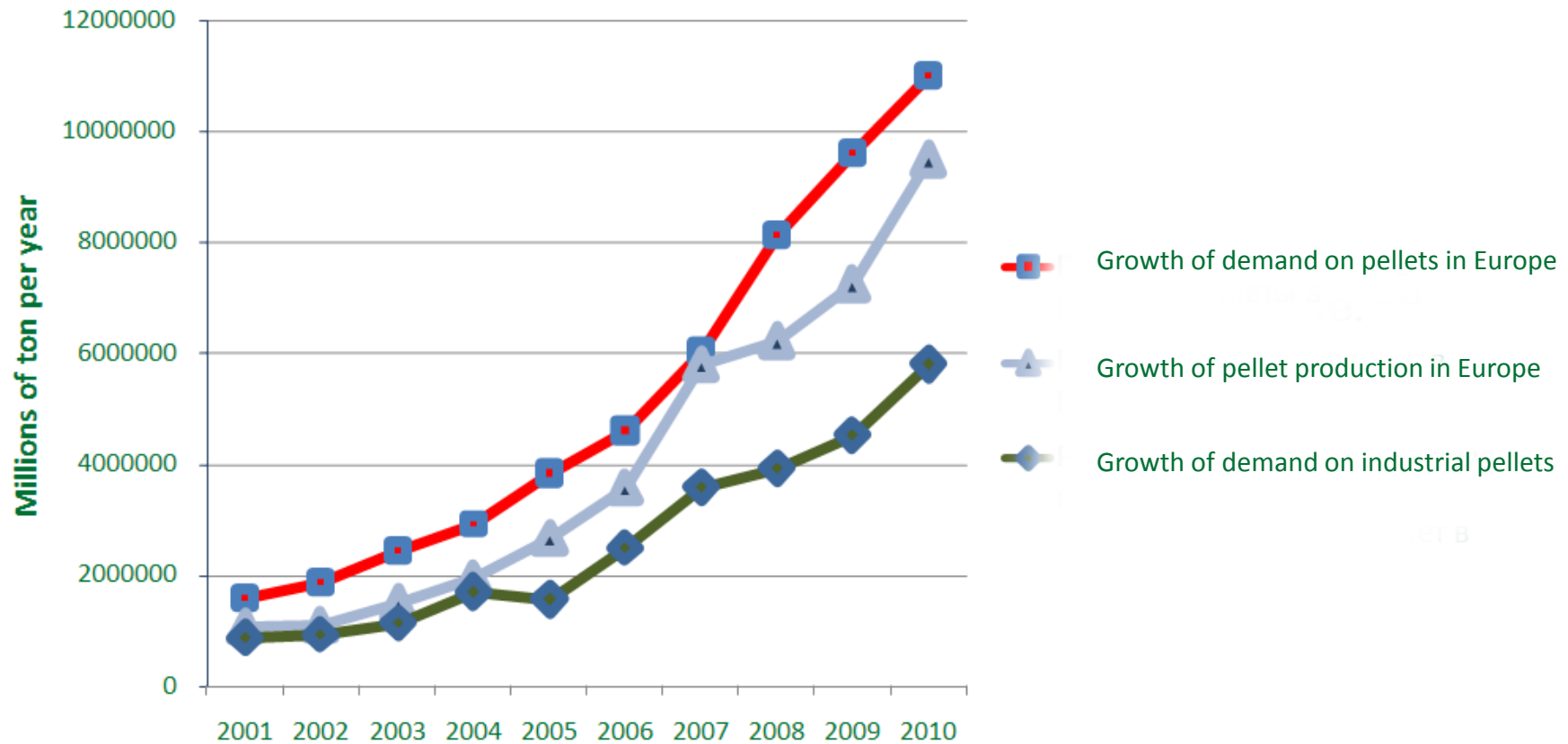
Production growth and demand for pellets EU energy market



Growth of demand of industrial pellets



The growth of production and consumption of pellets in Europe.



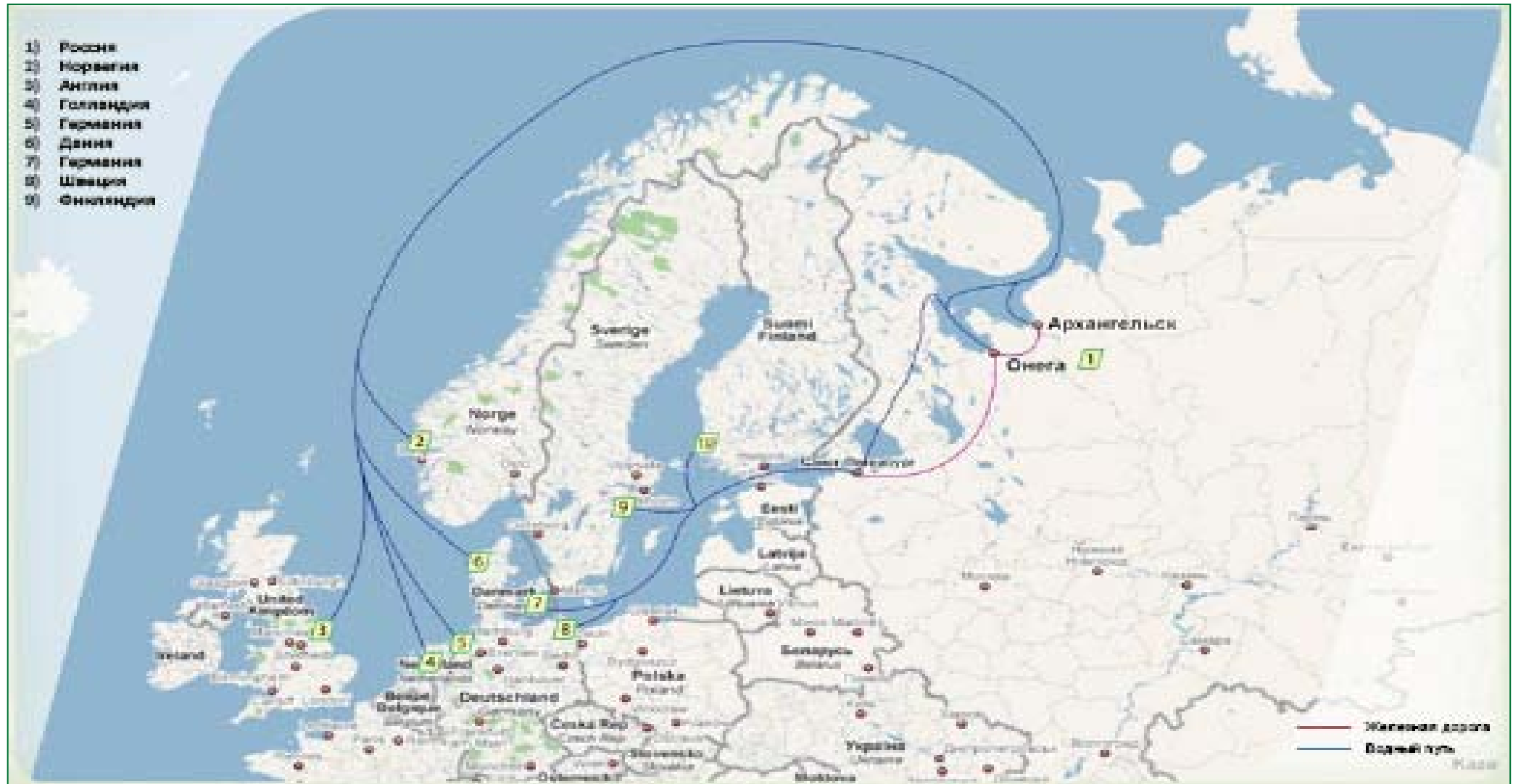
The location of industrial site



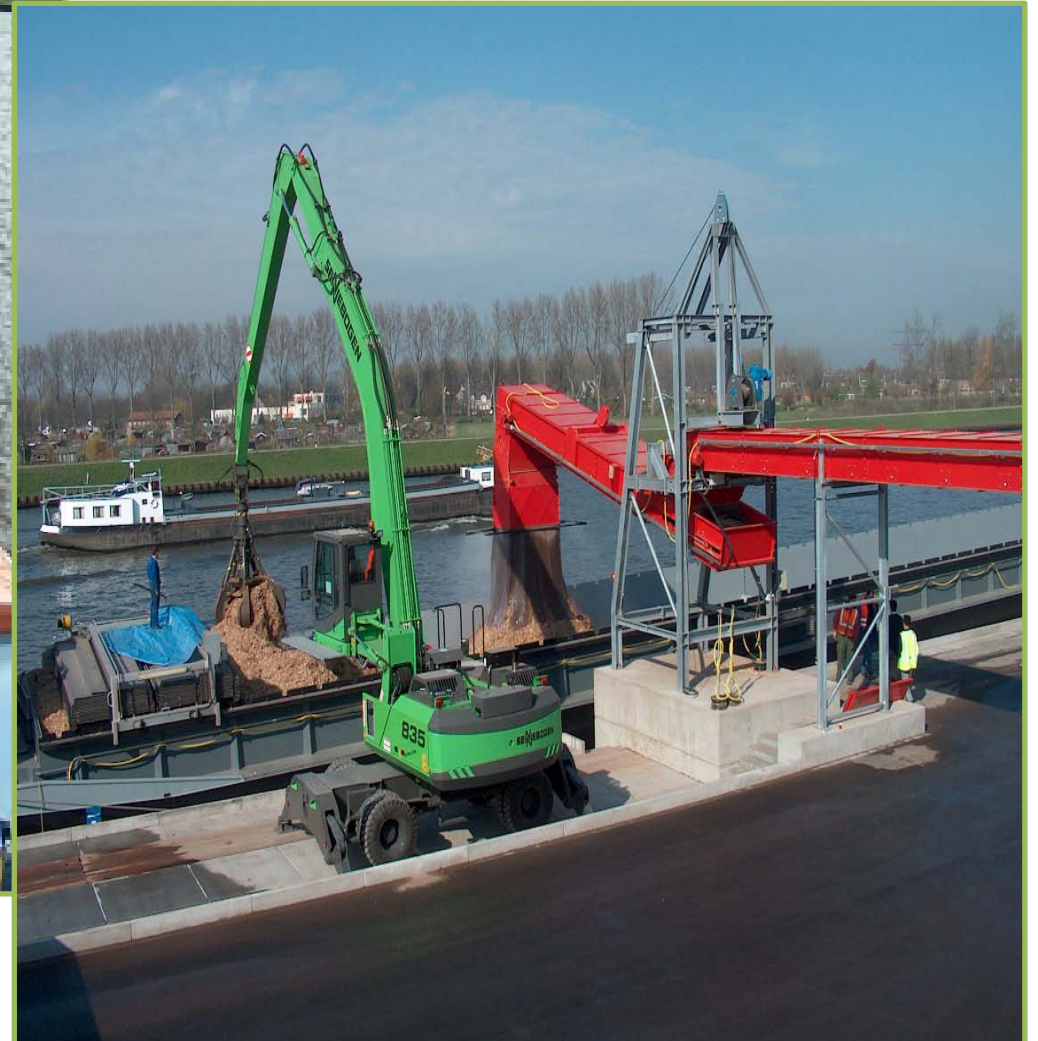
The location of dump of raw material



Transportation routes of industrial pellets



Unloading of ready made production



Our partners



Company UNITECNA GmbH – integrator of the project on conditions of CIP Omega region www.UNITECNA.com

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