

Construction of a timber processing complex for deep processing of timber and MDF board production

Scope of activity - Mining and raw materials complex

Name of the company	“Kamchatskaya Lesopromyshlennaya Companya” (Kamchatka Timber Industry Company)
Legal status	Company of limited liability
Address	6, Vitalia Kruchini street, Petropavlovsk-Kamchatsky, Kamchatsky Krai
Telephone	+7 (4152) 22-65-07
Fax	+7 (41522) 25-39-09
E-mail	aqua_direktor@rambler.ru
Unified Classifier of RF	Timber harvesting
Major shareholders	Natural persons
Head	Andrey P. Puntusov
Number of employees	15
Major types of products	Round timber, sawn products, firewood
Major consumers	Building industry, furniture manufacturers, municipal housing services, population
Business idea (objective of the project)	To construct a timber processing complex for deep processing of timber and MDF board production
Type of economic activity according to the Unified classifier of RF	Timber processing Petropavlovsk-Kamchatsky, Kamchatsky Krai.
Brief description of the region where the project is to be realized	The complex is to be constructed on the basis of existing production premises (buildings of the factory manufacturing reinforced concrete products). Power supply, transport junction and ice-free harbour are available. Substantial reserves of timber (in accessible areas the reserves will be sufficient for 60-80 years of production). Estimated harvest is 1100 thousand cubic meters of timber. Annual requirement for the complex is 80 000 cubic meters of timber
Availability of raw materials	
Product to be manufactured (production capacity)	Wood-wool timber (MDF board). Annual production capacity of the complex is 50 000 cubic meters of products.
Description of the consumer market	25 % - Kamchatka domestic market (building industry, furniture manufacturing). 75 % - export to North America, China, South Korea.
Stage of development of idea	Initial
Total cost of the project (million rubles): including:	700.0 (purchasing and delivery of equipment, putting it into operation, training of personnel - 267.0 Creation of infrastructure - 133.0 Purchasing of buildings for the complex - 300.0).
- own investments	300.0 – buildings for the complex, 1 million cubic meters of timber (forest stock, leasing)
- required investments	400.0
Period of the project	2.5 years
Forms of recovery of investments	Financial

Creation of production of nanodispersed silica dioxide based on natural hydrothermal solutions

Scope of activity - Mining and raw materials complex

Name of the company	Limited Liability Company Scientific Production Firm "Nanosilika" (LLC NPF "Nanosilika")
Address	Office 6-515, 56, Vilyuyskaya street, Petropavlovsk-Kamchatskiy, 683003
Telephone	+7 (4152) 46-77-49
Fax	+7 (4152) 42-05-01
E-mail	vadim_p@inbox.ru
Project manager	Vadim V. Potapov
Business idea (objective of the project)	<p>Creation of innovative industrial complex for producing nanodispersed silica dioxide (sol, nanopowders SiO₂) from natural fluids of exciting geothermal power stations of Mutnovskiy deposits (Southern Kamchatka).</p> <p>Technical plan includes the phase of membranous concentrating of water medium and obtaining a stable sol of SiO₂.</p> <p>The sol is cryochemically dried at very low temperatures, with following sublimation of ice under vacuum.</p> <p>This provides a minimum motility of nanoparticles SiO₂ and eventually getting weakly aggregated nanopowders with a specific surface of 500 m² / g, with a relatively low cost and energy output.</p> <p>In general, project realization allows to combine the production of nanomaterials with geothermal energy production and provide the GeoPS electricity consumption.</p>
Type of economic activity according to the Unified classifier of RF	"Energy efficiency and resource conservation" and "Nanotechnology".
Brief description of the region where the project is to be realized	Kamchatskiy krai, Petropavlovsk-Kamchatskiy
Availability of raw materials	Production of sols, silica nanopowders and their derivatives on the base of natural fluids of exciting geothermal power stations GeoPS of Mutnovskiy deposits (Southern Kamchatka). Production of nanopowders and sols in volume up to five tons per year is possible.
Product to be manufactured (production capacity)	By 2016 the output will be 4 tons per year with total cost up to 400 million rubles.
Description of the consumer market	Internal and world markets. Sols and nanopowders SiO ₂ have customers in the following industries: precision casting, rubber additives, polymer materials, manufacturing of paint materials, nanoadditives in building materials, sorbents, catalysts production, feed

additives and fertilizers.

Stage of development of idea

Total cost of the project (million rubles):
including:

- required investments 900,0 (direct investment)

Period of the project 5 years

Potential partners: JSC "RUSNANO", JSC "RusHydro"
Skolkovo Innovation Center.

The benefits of the project:

- non-toxic chemicals;
- a low cost of sols as a consequence of using waste fluids as raw material of GeoPS;

Additional information

1. - low energy costs in obtaining nanopowders SiO₂ as a result of combining membrane technology and technology of cryochemical drying, using cheap geothermal energy and mineral resources;

Fluids

- fluids cleaning of GeoPS, production of extra heat and electrical energy.

Development of Mariculture in Kamchatsky Region

Scope of activity - Development of biological resources

	Information about the company (organization) initiating the project
Name of the company	“Pacific Market”
Legal status	Fishermans' cooperative
Address	office 90, 10 Tushkanova street, Petropavlovsk-Kamchatsky, Kamchatsky Region, Russia +7 (4152) 269-531
Telephone	
Fax	+7 (4152) 269-531
E-mail	tral@mail.kamchatka.ru
Unified Classifier of RF	05. 01. 11; 05. 02. 11; 05. 02. 2; 51. 38.
Major shareholders	Members of the cooperative are employees of the enterprise
Head	Gennady Rogatin , Head of the cooperative
Number of employees	5
Major types of products	Seafood and mariculture produce (sea weeds, molluscs, fish, echinodermata).
Major consumers	Russia market, export to CIS, Japan, Korea, China.
	Description of the project
	1. Development of mariculture in Kamchatka (cultivation of hydrobionts):
	<ul style="list-style-type: none">• sea weeds – laminaria, alaria;• mollusks - mussels, scallops;• echinodermata – sea urchins;• farm raising of cod, trout.
Business idea (objective of the project)	2. Organization of cultivation and processing of mariculture products:
	<ul style="list-style-type: none">• fish – cod, salmon (trout);• sea weeds - laminaria, alaria;• molluscs - mussels, scallops.
	3. Reproduction of Pacific salmon:
	<ul style="list-style-type: none">• by recovery of natural spawning grounds and installation of closed incubating modules in the Vilyucha river.
Brief description of the region where the project is to be realized	Production farm is located in the Avachinsky Bay, 45 kilometers south off Petropavlovsk in Vilyuchinskaya Bay. Total area of marine territory is 20 km ² Total area of the leased marine territory is 20 km ² . It allows annual production of:
Availability of raw materials	<ul style="list-style-type: none">* 250 t – raw mussels;* 500 t - laminaria;* 200 t - cod, trout;* 50 t – sea urchin
	1.Sea weeds:
Product to be manufactured (production capacity)	<ul style="list-style-type: none">• laminaria, alaria – food products; in natural form, frozen, shredded, dried, in the form of gel (cooked, canned); seasoning; additive containing iodine; Bioactive additive; Material for medical industry; material for cosmetics (creams, balsams, shampoo);

	<p>food for animals, biofertilizer.</p> <p>2. Mollusks:</p> <ul style="list-style-type: none"> • mussels - food products: live mussels (raw), shells, half shells; boiled and frozen mussels; canned mussels; preserved mussels; material for medical and pharmaceutical industry; additive for animal and bird food. <p>3. Sea urchin: Food products: Sea urchin roe (chilled, frozen, salted); additive for animal and bird food; fertilizer.</p> <p>4. Fish:</p> <ul style="list-style-type: none"> • Cod, salmon: food products: chilled, frozen. <p>Kamchatka is a very promising area in terms of both fishing and processing of fish and seafood. Delivering to the market of highly bioactive and ecologically safe seafood guarantees high demand in both internal and external markets.</p>
Description of the consumer market	<p>1. Scientific project of organization of the production farm to culture sea weeds, mollusks and fish has been developed.</p> <p>2. Specialists of KamchatNIRO have carried out scientific research of water basin conditions. Biological and Fish-farming justification for setting up experimental mariculture farm “Vilyuchinskaya Bay” has been obtained.</p> <p>3. Marine territory of 20 km² has been approved and allocated for development of the marine farm as well as adjacent land territory of 1 hectare, for construction of a land base, which is confirmed by the valid agreements.</p> <p>4. Hydrotechnical constructions for sea weed and mollusk culture have been designed and manufactured. Experimental constructions have been successfully exhibited.</p> <p>5. Two fishing boats have been purchased.</p> <p>6. Production shop is being leased in Petropavlovsk-Kamchatsky. Financial evaluation of the project</p>
Readiness of the project, expertise	
Total cost of the project (million rubles):	130.0
including:	
- own investments	30.0
- required investments	100.0
	Major indicators of project efficiency
Period of construction (implementation) of the project	6 years
Recoupment period	• projects of hydrobiont culture and salmon production (in species) – 6 years
Internal rate of return (IRR)	80.4%
Forms of recovery of	Financial

investments

Forms of investment:

Investment loan on basis of state-private partnership 1.Purchase of specialized hydrobiotechnical equipment for hydrobiont culture.

2.Purchase of floating crafts for operation hydrobiotechnical equipment.

Additional information

3. Construction of buildings for seeding material preparation; purchase and growing of seeding material; arrangement of land base for initial processing of the products.

4. Construction of buildings and purchasing of equipment for deep processing of culture products.

5. Marketing and advertising.

6. Number of working places to be created - 80

Establishing of a fishing complex (full processing technology) “Allimpex-Kamchatka”

Scope of activity - Development of biological resources

	Information about the company (organization) initiating the project
Name of the company	Allimpex-Kamchatka
Legal status	Limited liability company
Address	96, Primorskaya Street, Petropavlovsk-Kamchatsky 683000
Telephone	+7-909-834-44-38
Unified Classifier of RF Head	15.20 - Processing and canning of fish and sea produce. Mihail S. Kostinets
Major types of products	Frozen products are in stock: cod fillets, pollock, flounder. Salmon caviar, fish roe pollock, fish meal, fish oil, fish preservation and snacks.
	Description of the project
Business idea (objective of the project)	Construction of innovative nonpolluting processing complex for complete processing of fish and sea products.
Type of economic activity according to the Unified classifier of RF	15.20 - Processing and canning of fish and sea products.
Brief description of the region where the project is to be realized	It is planned to produce fillets in Petropavlovsk-Kamchatsky, at a distance of no more than 0.75 km from the coastline of the Avacha Bay. Stable output of 8500 ton of finished fish product ready for realization to final consumer, 2000 tons of fish-flour, 850 ton of veterinary and medical cod liver oil, 2000 tons of organics and supplementary feeds.
Product to be manufactured (production capacity)	
Readiness of the project, expertise	Business plan stage. Financial evaluation of the project
Total cost of the project (million rubles): including:	540,0
- own investments	131,3
- required investments	408,7
	Major indicators of project efficiency
Period of construction (implementation) of the project	7 months from the beginning of financing.
Recoupment period	3 years
Internal rate of return (IRR)	85%
Forms of recovery of investments	Finished goods, money
Additional information	Investment schemes: opening of credit lines; necessary equipment supply; provisioning of raw materials. Available form of participation: share participation (50%).

Construction of a timber processing enterprise to produce fire-wood pellets. Field of activity – Mineral and raw material factory

Scope of activity - Mining and raw materials complex

	Information about the company (organization) initiating the project
Name of the company	“Trade House Rassvet”
Legal status	Limited liability company
Address	13, Industrialnaya Street, Petropavlovsk-Kamchatsky, Kamchatsky Krai
Telephone	+7-962-291-97-26; +7(4152)242-667
Fax	+7(4152)241-258
E-mail	berezkin51@mail.ru
Unified Classifier of RF	02.01.1 - Woodworking
Major shareholders	Natural persons
Head	Gennadiy B. Beryozkin
Number of employees	45
Major types of products	Round timber, sawn timber, fire-woods
Major consumers	Mining, construction, fishing companies; boilers; population.
	Description of the project
Business idea (objective of the project)	To construct a timber processing enterprise to produce fire-wood pellets
Type of economic activity according to the Unified classifier of RF	20.10.2 - Timber processing
Brief description of the region where the project is to be realized	Village of Milkovo, Milkovo District; Kamchatskiy Krai
Availability of raw materials	Annual requirement – 88 thousand m3 of timber waste products.
Product to be manufactured (production capacity)	Firewood pellets
Description of the consumer market	Enterprises and physical persons in Kamchatskiy Krai. Export to Korea, Japan and China is possible.
Readiness of the project, expertise	Initial stage
	Financial evaluation of the project
Total cost of the project (million rubles):	600.0
including:	
- own investments	180.0
- required investments	420.0
	Major indicators of project efficiency
Period of construction (implementation) of the project	4 years
Recoupment period	10 years
Profitability of the project	22%
Internal rate of return (IRR)	3.49%
Forms of recovery of investments	Financial
Additional information	It is desirable to attract an investor who has access to the market for the products of the enterprise.

Technical re-equipment of the ship repair plant ZAO “Sudoremservice”

Scope of activity - Ship repair

Name of the company	Technical re-equipment of the ship repair plant ZAO “Sudoremservice”.
Legal status	Modernization of ship-repair facilities.
Address	Joint-stock company Sadovy pereulok, Petropavlovsk-Kamchatsky 683013
Telephone	+7 (4152) 464-435; +7 (4152) 464-434
Fax	+7 (4152) 464-434
E-mail	secretary@srs.kamchatka.ru
Unified Classifier of RF	29.11.9;35.11.9;51.19
Major shareholders	Natural persons
Head	Andrei G. Kutsenko, CEO
Number of employees	330
Major types of products	Ship repair and spare parts furnishing
Major consumers	Fishing companies from Kamchatsky Region and other regions of the Far East region
Business idea (objective of the project)	Technical re-equipment of the ship-repair plant. Modernization of ship-repair facilities. - to provide services in mounting, repair and maintenance of engines and turbines (except aviation engines, automobile engines and motorcycle engines); - to provide services in repair, maintenance, renovation and cutting into scrap of ships, floating platforms and structures; - to act as agents in wholesale of products of great variety.
Type of economic activity according to the Unified classifier of RF	
Brief description of the region where the project is to be realized	Kamchatsky Region. The leading companies in the region are fishing companies.
Availability of raw materials	The raw materials will be delivered from domestic companies and foreign companies. - to renovate the tug “Bulat-8” – 7 million; - to modernize welding equipment – 2 mln. - to purchase new equipment for processing and repair of the propeller-shafts – 15 mln; - to purchase the “Spectograph” instrument for identification contents of metals and liquids – 1,5 mln;
Production capacity	- to modernize equipment for sandblasting of ships’ hulls – 4 mln; - to purchase new equipment for high pressure water cleaning of ships’ hulls – 6 mln; - to purchase new equipment for dismantling and mounting of ships’ screw steering gear- 3 mln. - To purchase hydraulic self-propelled lifts -2 mln.
Description of the consumer market	Enterprises requiring technical maintenance and repair of ships.
Stage of development of idea	Developing a long-term plan
Total cost of the project (million rubles):	40.5

including:

- own investments

20.25

- required investments

20.25

Period of the project

5 years

**Forms of recovery of
investments**

Monthly in equal portions starting from the third year