



АГЕНТСТВО
ПО ПРИВЛЕЧЕНИЮ
ИНВЕСТИЦИЙ
Свердловской области

INVESTMENT
PROMOTION AGENCY
of the Sverdlovsk region

EQUIPMENT PRODUCTION IN THE FIELD OF INDUSTRIAL ECOLOGY

INVESTMENT POTENTIAL OF THE SVERDLOVSK REGION



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GENERAL INFORMATION ON THE REGION

SOIL

9 241 626,1 tons

total wastes' volume



- Extraction and processing of iron ores
- Extraction of non-ferrous metal ores
- Extraction of other minerals
- Production of other non-metal mineral commodities
- Fabrication of ferrous metals
- Fabrication of non-ferrous metals
- Provision of electric power, gas, steam
- Agriculture, forestry, hunting, fishery, fish-farming
- Other types of economic activity

(including other types of processing plants, water supply, water disposal, organization of waste disposal, construction, transportation, provision of services)

AIR

793,02 thousand tons

emissions' volume

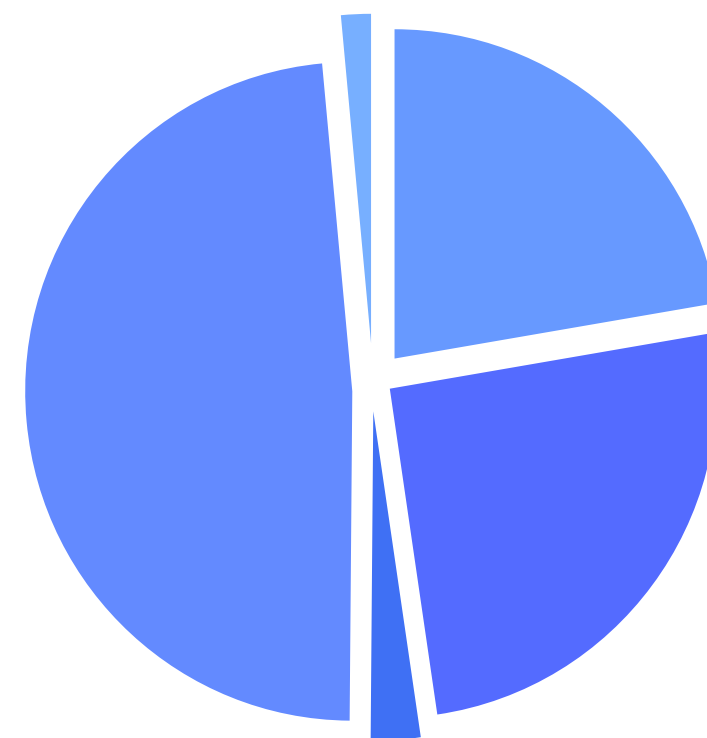


- Carbon monoxide
- Nitrogen oxides
- Volatile organic compounds
- Sulphur dioxide
- Black

WATER

566,51 M m²

total volume of contaminated wastewater



- Mineral extraction
- Processing industries
- Provision of electric power, gas, steam
- Water supply, water disposal, organization of waste disposal, pollution discharge elimination activities
- Other types of economic activity

ACCORDING TO THE NATIONAL PROJECT “ECOLOGY”, THE SHARE OF PROCESSED WASTES IN RUSSIA SHALL RAISE FROM 12% TO 60% BY 2024, RECOVERABLE — FROM 7% TO 38%

GENERAL INFORMATION ON THE REGION

ENVIRONMENTAL POLICY OF THE SVERDLOVSK REGION, COMPLEX ENVIRONMENTAL PROTECTION PROGRAM:

- 1** Construction of treatment works, production facilities' modernization aimed at prevention of disaster outbursts and emergencies fraught with air pollution
- 2** Elimination of hydrosphere's contamination sources, water bodies' purification, water deficiency elimination
- 3** Improvement of storage conditions for domestic, industrial, toxic waste, construction of waste recycling plants
- 4** Creation of constant monitoring regime of hazardous productions, development of a charging scheme for environmental damage
- 5** Stimulation of ecologically clean production
- 6** Implementation of safe technologies

The Sverdlovsk region is a participant of the national project "Ecology"

1,4 billion rubles

amount of ecological projects' financing of the Sverdlovsk region in 2019-2021

PROIROTY REGIONAL PROJECTS AND FINANCING PROGRAMS*:

- 1** Formation of a complex handling system of solid municipal waste in the Sverdlovsk region
- 2** Preservation of biodiversity and eco-tourism development in the Sverdlovsk region
- 3** Preservation of forests of the Sverdlovsk region
- 4** Preservation of unique water bodies located in the Sverdlovsk region
- 5** Development stimulation of ecologically clean production
- 6** Clean region (Sverdlovsk region)
- 7** Clean air of the Sverdlovsk region

* According to the data of the Ministry of Natural Resources and Ecology of the Sverdlovsk region, these programs will be allocated with **over 4 billion rubles** until 2024

02 OPPORTUNITIES FOR COOPERATION



TBO "ECOSERVIS"

- construction of a waste-sorting complex and a spoil disposal
- construction of a loading station with sorting elements
- construction of a bulky waste fragmentation station
- construction of waste transfer stations
- construction of sites with containers' installation for separate collection - wheeled bins
- equipping container ground with metal cages for plastic collection

Realization of measures made it possible to solve the issue of unlawful dumping in the region



"URALASBEST" PJSC*

- modernization of the aspiration system of "ARMZ" LLC foundry ("Uralasbest" subsidiary enterprise) with bag filters' installation
- construction of nitrogen compounds purification system of Asbest quarry's drainage water
- introduction of circulating water supply in the concentration workshop of asbest-concentrating plant
- reconstruction of 10 ore stream trails of asbest-concentrating plant to reduce waste storage volume
- second line construction at the heat-insulating materials' plant for quarry's gabbro overburden recycling

Realization of measures made it possible to decrease pollutants' air emissions by five times, the amount of allocated wastes decreased by two times

* In 2020, "Uralasbest" PJSC won the all-Russian competition "Leader of nature protection activities in Russia". Currently, the enterprise disposes over 60% of the total generated waste volume through packing the quarry goaf and manufacturing non-metallic building material.

LARGEST ECOLOGICAL PROJECTS OF THE SVERDLOVSK REGION



"URALVTORMA" LLC

- collection, transportation, treatment and recycling of wastes in Yekaterinburg and the Sverdlovsk region
- production facilities for sorting and treating secondary raw materials
- waste sorting
- wastepaper recycling
- installation of sorting lines
- organization of acceptance centers of secondary raw materials, separate collection of solid municipal waste

It is planned to install an additional sorting line to expand the assortment of accepted products adding plastic, for instance. In the future, it is considered to install the equipment for primary processing of film products and plastic



EVRAZ NTMK

Implementation of over 40 environment-oriented activities:

- implementation of 100 elements of the best available technologies in the environmental field out of 139 possible
- overhaul of water protection equipment: cooling towers, water conduits, filters
- modernization of dust-exhaust system of converter plant's mixer site
- revision of treatment facilities in rolling plant's reverse cycle
- water after-purification using biotechnologies
- replacement of outmoded equipment of agglomeration plant's aspiration system
- revision of quarry's treatment facilities
- reinforcement of slurry ponds' existing dams
- dust suppression at quarries and slurry ponds

In the Sverdlovsk region, EVRAZ is represented by two major enterprises - Nizhniy Tagil iron & steel works and Kachkanar mining & processing works. In 2020, the holding has allocated over 2.3 billion rubles on nature-protecting activities

RESERVOIRS



GERMES-URAL
Products: bottoms, separators, Venturi scrubbers, gas-holders, GPL reservoirs, clarifying filters, air collectors, drain tanks, mobile silos, fire tanks, oil separators, oil collectors, shells.

URALHIMMASH
Products: spherical tanks, reactor equipment, column heat-echange equipment, tanks and vessels, drum tanks for GPL transportation, vacuum filters, rotary drum apparatus.

KUB
Products: reservoirs and tanks, vertical steel tanks, underground storage tanks , mobile gas stations, kit basins, pressure vessels, line heaters, silos, oil-field equipment, mobiles, disposal works, GDP equipment, pipelines, pipeline elements, control and automation cabinets, metal structures.

PIPES



POLEVSKOY PLANT OF PRE-COATED PIPES
Products: pipes in polyethylene and zinc coating.

URALS PIPE WORKS
Products: round electric-welded pipes with a diameter from 114 to 630 mm, square electric-welded pipes from 80x80 to 500x500 mm, rectangular electric-welded pipes from 100x50 to 500x400 mm, piles, case pipes and corresponding couplings, welded beams, C-section, steel channel, h/c angle pieces, profiles sheeting, metal structures of any complexity level, pre-fabricated steel structure houses, wall and roofing panels, steel windows, doors, and gates, road and bridge fences.

REAGENTS



BIOMICROGELS
Products: BMG-P1 Biomicrogels sorbent, BMG-P2 Biomicrogels coagulant, BMG-C2 Biomicrogels flocculant, BMG-C3 Biomicrogels soil treatment cleaners, BMG-C4 Biomicrogels agent for increasing vegetable oil extraction efficiency.

Equipment: oil-collecting nets Spilltex, filter cloth Spilltex.

Solutions: cleaning industrial and storm water from oils and petroleum products, oil spills liquidation, increasing palm oil extraction efficiency, recycling liquid coolant in machinery industry, recycling liquid coolant in metallurgy and steel rolling, cleaning solid surfaces from oils and petroleum products, cleaning formation and produced water.

COMPRESSOR EQUIPMENT



NEVYANSK MACHINE-BUILDING PLANT
Products: diesel and electric forklifts, mobile, nitrogen, air-gas compressor stations, hydraulic drives for automation and energy efficiency increasing of deep-well pumps and ram-type blowout preventers, equipment for well-boring and well infrastructure development, equipment for gas engine fuel.

Nevyansk machine-building plant is the first and only official SOCMA distributor in Russia presenting the main model range of SOCMA specialized machinery.

INDUSTRIAL VENTILATION UNITS



VENTA
Products: radial fans (centrifugal), smoke exhaust fans, VTsP7-40 dust exhaust radial fans, radial roof fans, axial-flow industrial fans, fans for electric locomotives, fans for nuclear plants, fans for atomic icebreaking fleet, vibration isolators, cell-type filters, air fans, industrial blowers: elliptic bottoms, water-water sectional heaters, steam-water heaters.



Kuyvashev Yevgeny,
Governor of the Sverdlovsk region



**TODAY, MODERN PRODUCTION MUST BE
“GREEN” BY DEFAULT. I DEMAND THIS
CRITERIA TO BE THE BASIS OF THE
PROJECTS OF BOTH NEWLY
CONSTRUCTED AND RECONSTRUCTED
ENTERPRISES**



MAIN FACTS:

- 1 High industrial share in the economy of the Sverdlovsk region
- 2 Proximity to sales markets
- 3 Provision with workforce and scientific capacity
- 4 Ready production sites (greenfield and brown-field) for productions of various hazard classes
- 5 Accessible and clear state support
- 6 Historically strong technological stock in key service branches

BENEFITS FOR INVESTORS:

- 1 Reduction of transport expenses, operative attendance of specialists, equipment and spare parts supply
- 2 Opportunity for creating testing sites and stands for technological trials
- 3 Reduction of the projects' investment phase
- 4 Cost reduction for production launch
- 5 Possibility of localization and productional cooperation with active enterprises

40% of industrial production of the UrFD is produced in the Sverdlovsk region (according to ROSSTAT data for 2019)



**Ural
Federal
University**
named after the First President
of Russia B.N. Yeltsin



Ural Federal University named after the First President of Russia B.N.Yeltsin

- New hydrometallurgical processes have been developed, which allow to perform complex processing of copper-containing raw materials
- Analysis methods have been developed and the trial version of monitoring ground and surface waters on the content of natural and artificial radionuclides was fulfilled in the Sverdlovsk region
- Production technology of medical and ecological purpose materials' production based on ceric oxide nanoparticles was proposed
- Zero-waste lime production technology was proposed and tested
- Practical methodologies increasing energy efficiency and ecological safety of energy supply systems have been drawn up and developed
- A methodological process follow-up has been developed for targeted creation of areas for plant species' biodiversity preservation on the territory of municipal institutions

Ural State Agrarian University

- Methods of efficient obtaining and usage of bioenergetic resources from raw materials and production wastes to the academic activities of the Department of technological and transport machinery of FSBEI HE Ural SAU



Ural State Mining University

- Basic program of ecological control for the conditions of “Enel Russia” PJSC, Reftinskaya State District Power Plant branch



Ural State
Forestry University

Ural State Forestry University

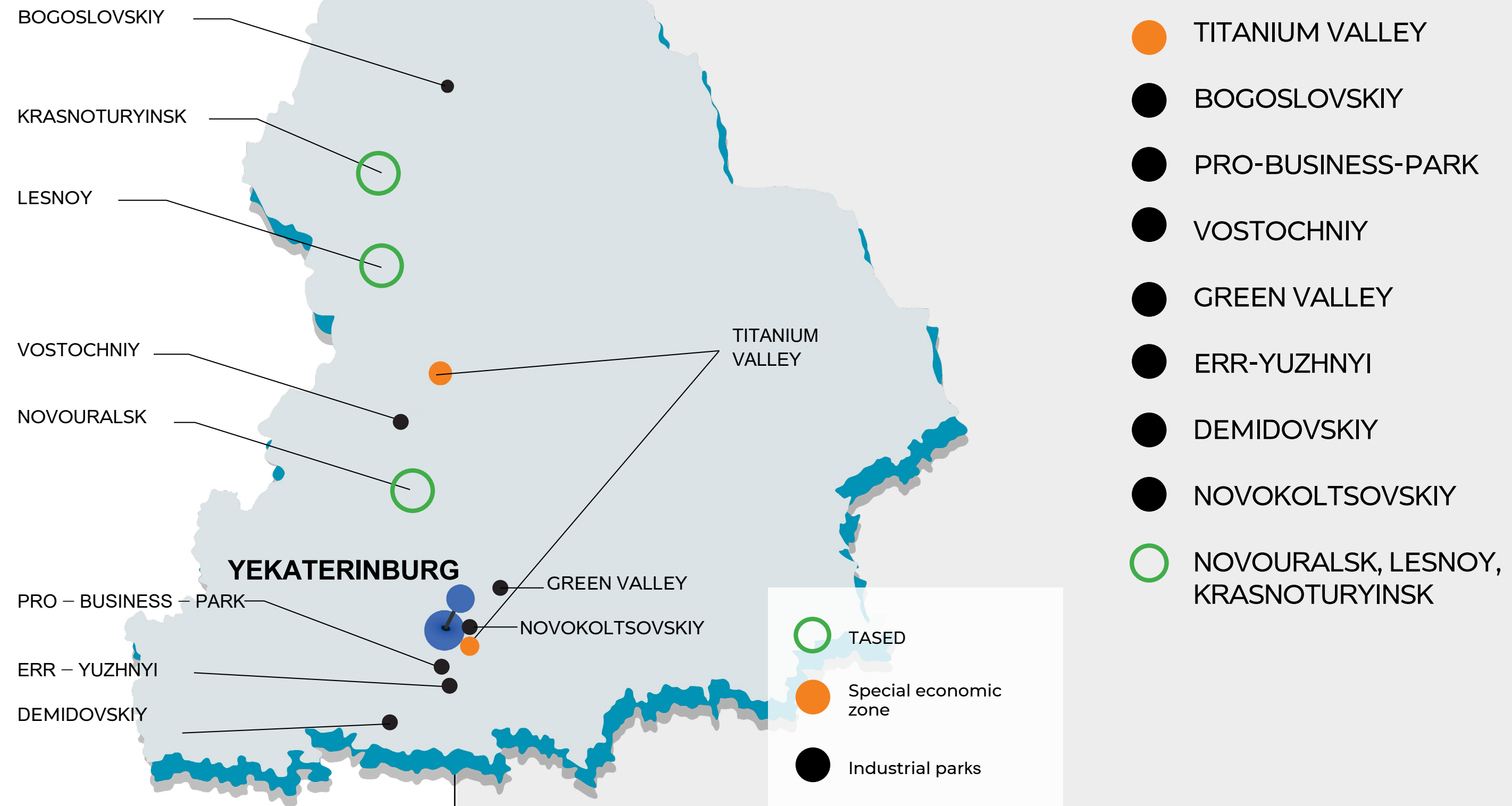
- Environmental monitoring program on the territory and in the allocation area of “Poligon” JSC, condition assessment of water protection zone ecosystem, study of sorption properties of reclamation material obtained on the basis of construction waste, technological process development for growing seedlings with enclosed root system



Institute of Industrial
Ecology, Ural Branch of
the Russian Academy
of Science

Institute of Industrial Ecology, Ural Branch of the Russian Academy of Sciences

- Complex analysis methodology of atmospheric pollution condition of an industrial city
- Assessment methodology of impact on the environment (AMIE)
- Forecasting methodology of contamination (pollution) scale of the environment
- Ecological monitoring methodology of mining enterprise impact zone



EASY LOANS AND SOFT CREDITS

- 1

Fund of industry development (IDF) / Fund of technological development of the industry of the Sverdlovsk region (FTDI)

from 20 to 50 million rubles

loans with 1-3% yearly interest rate for up to five years
- 2

Fund of industry development (IDF) (for the participants of the national project “Labor productivity and occupancy support”)

from 50 to 300 million rubles

loans with 1% yearly interest rate for up to five years
- 3

Sverdlovsk Regional Fund of Entrepreneurship Support (SRFES)

up to 5 million rubles

with key interest rate of the Central Bank of the Russian Federation for up to two years
- 4

Banks participating in soft lending program in accordance with the program of The Ministry of Economic Development of the Russian Federation

up to 7,75% yearly interest

credits with reduced rate

GRANTS

- 1

Foundation for Innovations

up to 20 million rubles

grants
- 2

Russian Fund of Information Technologies Development

from 20 to 300 million rubles

grants

TAX BENEFITS

- 1

Status of priority investment project (PIP)

for new construction:

13,5% profit tax

0% property tax for 5 years from the moment of property recognition as fixed assets created as a result of the project’s realization

Starting from 01.01.2023, profit tax benefit according to PIP will be replaced with investment tax deduction
- 2

Regional investment project (RIP)

10% profit tax from the moment of the first profit and until profit tax recovery reaches 50% of capital goods expenses amount
- 3

Investment tax deduction (ITD)

profit tax based on **10%** rate (regional part, deduction of no more than 50% of capital goods expenses amount) for 5 years
- 4

Resident of ”Titanium valley” SEZ

2% profit tax

0% property tax

0% land tax for 10 years

0% customs VAT
- 5

Resident of Krasnoturyinsk, Novouralsk, Lesnoy, Verkhnyaya Tura TASED

0% profit tax and land tax for 10 years

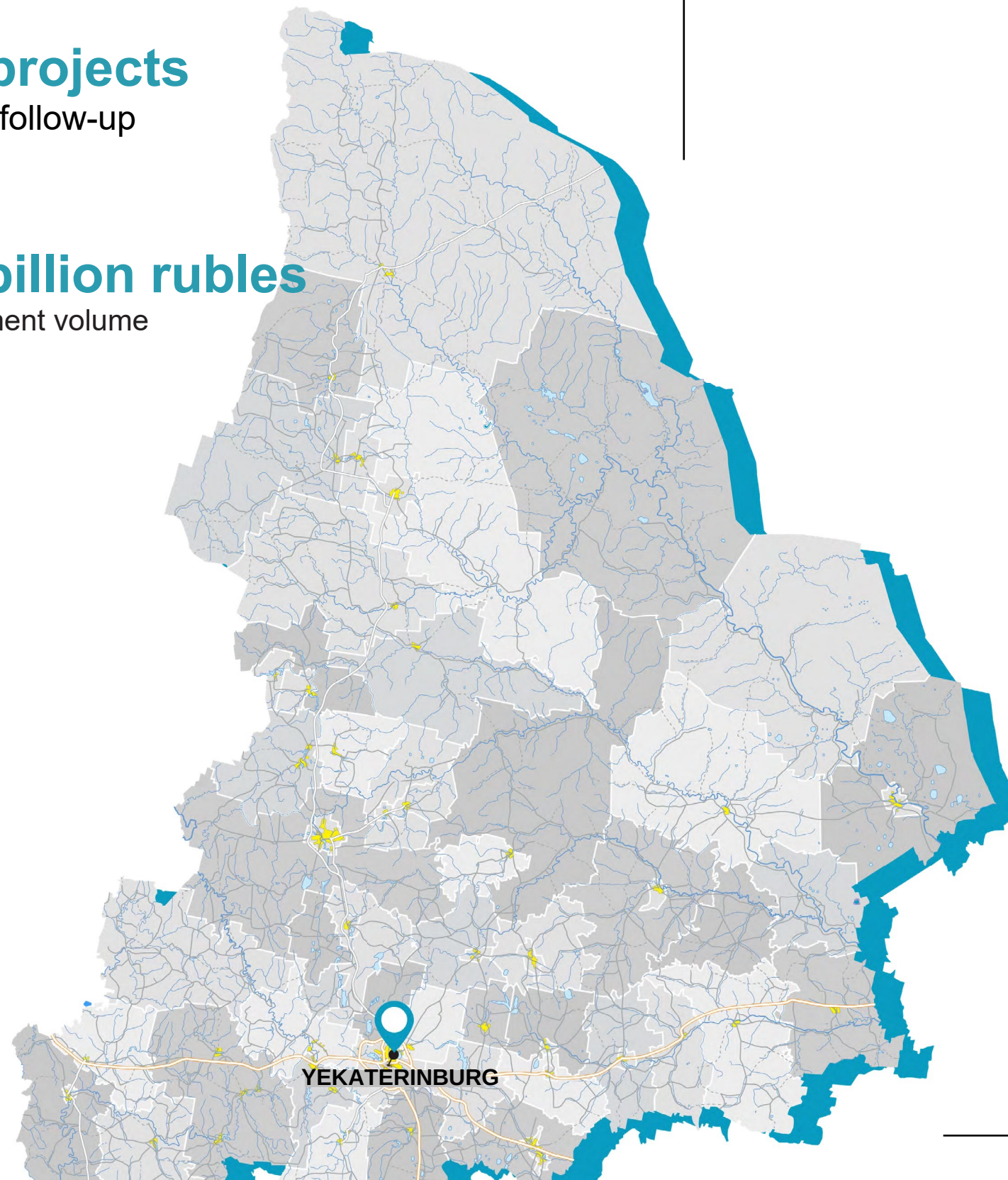
5% profit tax for 5 years

7,6% insurance contributions to non-budgetary funds for 10 years (instead of 30%) under the condition of resident’s registration in the first 3 years after TASED creation

INVESTMENT ATTRACTION AGENCY OF THE SVERDLOVSK REGION

43 projects
under follow-up

over
37 billion rubles
investment volume



UNIFORM WINDOW FOR INVESTORS ON QUESTIONS REGARDING PROJECT REALIZATION

- 1** We will select optimal means of support for your project
- 2** We will provide full descriptive, analytical information on the market and business-niches of interest
- 3** We will give detailed explanation on how to go through the formal procedures
- 4** We will provide complex follow-up for your project
- 5** We will establish required contacts with the representatives of the local business community





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