

Science & Technology Park Obninsk

Ministry for Economic Development
Kaluga region



Kaluga Region – Main Features



- Area – 29,9 thousand sq. km.
- Population -1021,5 thousand residents
- Share of city population - 75%.
- Employed in regional economy - 480 thousand (46,9%)
- Total industrial production - over 1 billion Euro
- Fixed capital investments - 18,6 million Euro
- Investments into R&D and RTD activity – 46,7 million Euro
- Foreign trade turnover - 200 million Euro
- Employed in science sector - 16,2 thousand
- Total number of SMEs – 5900, with total turnover 360,7 million Euro



Obninsk Details



Founded in: 1956

Since May 6, 2000 the first science city of the Russian Federation. Status was given by President Decree № 821

**Population: 105,6 thousand
Average age: 39 years**

Obninsk is located at North-East Kaluga region (Central Federal District)

Distance from Obninsk :
Moscow.....100 km
Kaluga.....80 km



Strategic Advantages



- Complex multidisciplinary and interdisciplinary R&D
- Highly-developed education system and qualified workforce
- Developed banking service
- Located near Moscow – industrial and technology center.
- Well developed transport infrastructure.
- Comfortable living conditions and good environment.
- Opportunities for High-tech business, science parks and business incubators



Scientific and Research Opportunities

- ❑ Public research sector incorporates 12 leading R&D centers
- ❑ Obninsk R&D centers employ 1370 PhDs.

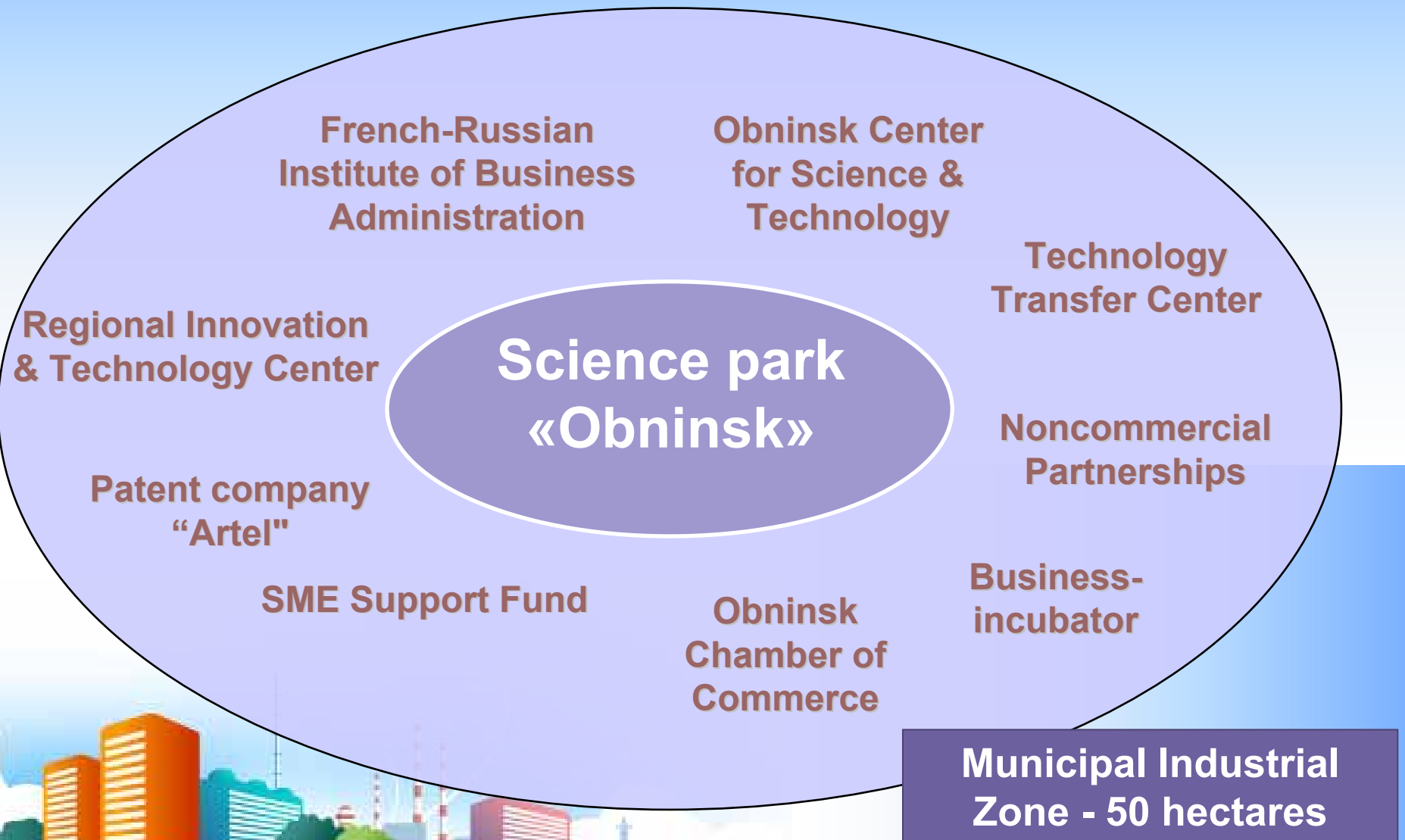


Innovation Potential

- ❑ 30% of total production in Obninsk are high-tech products.
- ❑ The number of small innovation companies in Obninsk is more than 130.
- ❑ 89 PhDs are employed in SME sector.
- ❑ Main areas of SME activity: biosynthesis, pharmaceuticals, new materials, nanotechnology, ecology, IT, measurement and control industrial equipment.
- ❑ SME share of total R&D work is 14 %



Innovation Infrastructure



Obninsk – Educational Center

- There are 9 higher education centers in Obninsk, including Obninsk Technical University of Nuclear Power Engineering
- Total number of students – 9000
- Total number of professors – 760, including 336 PhDs



The basic education areas are:

- ✓ Biotechnology
- ✓ Nuclear technology
- ✓ IT
- ✓ Radiological medicine & ecology
- ✓ Management & business administration



Science&Technology Park Obninsk

- **Project description**
Science&Technology Park Obninsk acting as a key element of infrastructure for support of high-tech business
- **Project mission**
- to create an efficient system for projects support and promotion from the start point (scientific idea) to the industrial production of innovation product.



Project Support

Science Park Obninsk Project is supported by:

- Ministry for Information Technologies and Telecommunication of the Russian Federation
- Ministry for Economic Development and Trade of the Russian Federation
- State Foundation for Assistance to Small Innovation Enterprises (FASIE)
- Ministry for Education and Science of the Russian Federation;
- Government of Kaluga Region



Science&Technology Park

Location

Science&Technology Park is planned to be located at two sites of total area more than 50 hectares.

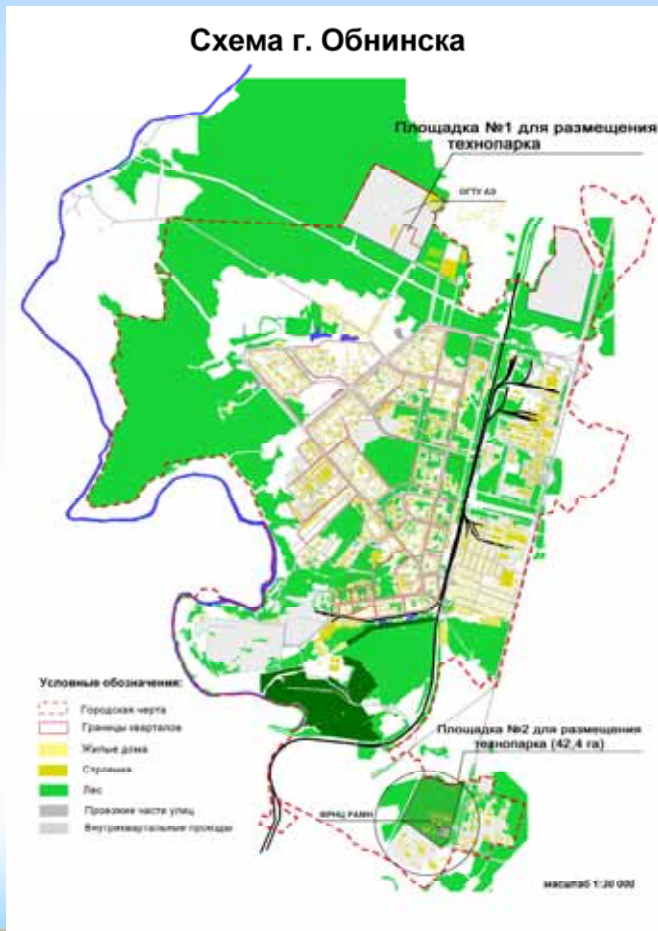
- ❑ **Site № 1** – part of Obninsk Technical University of Nuclear Power Engineering campus – 16,9 hectares. It is planned to be a Business Center of Science&Technology Park;
- ❑ **Site № 2** – part of Medical Radiological Research Center of Russian Academy for Medical Science - 1,2 hectares and municipal land - 41,2 hectares. It is planned to be an industrial biotechnical and pharmaceutical zone of Science&Technology Park.

Both areas have:

- Comfortable transport communications;
- Engineering infrastructure;
- Partly enclosed territory;
- Free land area for building site.



Science & Technology Park Location - 2



← Site №1
is located to the north

← Site №2
is located to the south

Infrastructure Facilities

Site №1

- Electric power - 15 MW
- Heat supply - 50 Gkal/h
- Water supply - 410 cub. m. per day
- Sewerage system - 410 cub. m. per day
- Gas supply
- Telecommunication facilities



Future Development

Site №1

- **Site № 1** is planned to be a business and industry S&T Park zone. S&T Park buildings will be located on free campus territory, with total area of 16,9 hectares. Total area of buildings will be more than 54000 sq.m.
- Site №1 can be enlarged up to 200 hectares at the expense of adjacent Borovsk district territory.



Description of Site №1

Science&Technology Park will incorporate:

- Scientific laboratories and production facilities – 18000 sq.m.,
- Business incubator for start-up companies – 5000 sq. m.
- Business center – 31000 sq.m.,
- Regional exhibition hall – 1500 sq.m.,
- Storage zone - 10000 sq.m.



Draft of Building up Site №1



Project implementation

Site №1

Site №1 is planned to be a multi-purposed zone for innovation projects in the field of:

- power engineering and energy saving technologies (including nuclear power engineering and nuclear technologies),
- new polymeric and composite materials,
- nanotechnology,
- IT,
- hi-precision measuring devices,
- automated industrial equipment.



Infrastructure Facilities

Site №2

- Waste water treatment - 840 cub.m. per day
- Water supply - 840 cub.m. per day
- Heat supply - 78,6 Gkal/h
- Electric power - 20 MW
- Gas supply - 24,2 million cub.m. per year
- Telecommunication facilities



Draft of Building up Site № 2 (perspective)



Focused Areas for S&T Park projects

Welcome to investors for collaboration and innovation projects implementation in Science Park Obninsk. Focus areas are:

- Biotechnology
- Pharmaceuticals
- Medicine
- New materials & nanotechnology
- IT



Contact Information

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