



ВЭБ
РФ

Technology Development in Russia and the Role of VEB.RF

VEB.RF

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Russian Strategic Development: National Projects



*Strategic Development until
2024: 12 National Projects*



\$390 bln

State funding until 2024

- Demographics
- Healthcare
- Education*
- DIGITAL ECONOMY
- Culture
- Housing and Urban
- Environment*
- Safe and Quality Roads*
- Productivity and Employment
- SCIENCE
- Small and Medium Enterprise*
- International Cooperation and Exports*

* *National Projects with elements of new technology development*

National Project DIGITAL ECONOMY



Big Data



Quantum technologies



\$24 bln

State funding until 2024



Advanced manufacturing technologies



Neurotechnologies and artificial intelligence



Blockchain technologies



Internet of things



Pilot Blockchain Projects



THE REGIONAL LEVEL

- Moscow (processing of investment contracts)
- Novgorod (trusted infrastructure of medical diagnostics, treatment and prescription)*
- Chechen Republic (decentralized platform for housing and public utilities)
- Kaliningrad region (processing of regional social payments)

THE FEDERAL LEVEL

- The Federal service for state registration, cadaster and cartography*
- The Federal antimonopoly service
- The Audit Chamber of Russia
- The Federal service for intellectual property (Rospatent)

* *VEB.RF participation on pilot project stage*



National Project SCIENCE



Priorities

World-level R&D centers



New R&D infrastructure



Modernization of R&D labs



Scientific and educational centers



Comprehensive system of scientific personnel



Targets

- ❑ Become one of 5 leading countries in science
- ❑ Attract leading scientists globally
- ❑ R&D expenditure growth faster than GDP growth



\$9 bln

State funding until 2024

VEB.RF - Key Support for Nationally Significant Projects



VEB Support Main Principles

- Multiplier effect with other investors
- Lack of competition with private sector
- Sustainable financial results



Sectors

- **Infrastructure with elements of new technology**
 - Roads
 - Transportation
 - Railroads
 - Aviation
 - Energy generation
- **High value-added manufacturing**
 - Chemicals
 - Digital economy
 - Hi-tech tools and equipment
 - Hi-tech agriculture
 - Hi-tech exports
- **Urban economy**
 - Hi-tech waste and water management,
 - Hi-tech urban infrastructure



Cases in Point

- Semiconductor production
- Large data processing center
- Advanced technology - based medical center



\$45 bln

VEB participation until 2024

VEB Innovations - Key to Adaptation of Breakthrough Technologies



VEB Innovations is a wholly owned subsidiary of VEB.RF supporting innovative projects



Mandate

- Transformation of traditional industries
- Active role in supporting new technology-based sectors



Sectors

- Digital logistics
- Digital city
- Digital media
- E-commerce
- E-transport
- Telemedicine
- Big data
- Cloud technologies
- Robotics
- AI and etc.



Products

- Credits
- Equity investment
- Subsidies

VEB Innovations: Direct Project Financing



2 main tracks

National Technology Initiative*

- 1-5 years
- Up to \$8 mln per project
- Project approved by governmental working group

Digital Economy

- 5-10 years
- Up to \$16 mln per project
- Project included in a special government-approved list

* *Government program to develop perspective technologies which can lead global economy in the next 20 years*

VEB Innovations: Venture Funds



Types of Funds

- Regional
- Corporate
- International



Stages

- Expansion
- Later stage
- Bridge



Case in Point

- Joint Russian-Indian hi-tech venture fund to promote common projects and projects of mutual interest.

Pilot investment – free wi-fi in the Delhi metro by a Russian provider