



Technology Development in Russia and the Role of VEB.RF

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بنك الـتنمية العمانـي Oman Development Bank



Russian Strategic Development: National Projects



Strategic Development until 2024: 12 National Projects



- 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













Advanced manufacturing technologies



Neurotechnologies and artificial intelligence



Blockchain technologies

Quantum 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)
- * VEB.RF participation on pilot project stage





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)



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







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

Infrastructure with elements of new technology

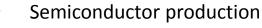
Sectors

- 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









- Large data processing center
- Advanced technology -• based medical center

Cases in Point

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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

Digital logistics

Sectors

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



- Credits
- Equity investment
- Subsidies



VEB Innovations: Direct Project Financing



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





- Regional
- Corporate
- International

Expansion

Stages

- Later stage
- Bridge



 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

