AGENCY OF TECHNOLOGICAL DEVELOPMENT

Established by the Government of the Russian Federation

Agency of Technological Development

– New Opportunities for Business in Russia –

Expertise / Solutions / Partners / Investments

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About the Agency of Technological Development

The Agency's mission is to assist Russian companies in implementing world class solutions to deliver competitive domestic products

1

Russian state institute of development

- The Agency was established by the Government of Russia
- The Chairman of the Supervisory Board is the Deputy Chairman of the Russian Government A.V. Dvorkovich
- The Agency is subsidized by the Ministry of Industry and Trade of the Russian Federation

2

International technology expertise

- The Agency's activity is based on embracing and implementing the best global technology practices in Russia
- The Agency is constantly developing its international contacts with business, business associations and development institutions

3

Multi-sector business integrator

- The Agency offers its partners technology expertise services, decision making and support technology for transfer transactions
- The Agency can deliver projects on a confidential and non-disclosure basis

4

A universal agent in the search for partners and support

- Searching for partners and vendors in Russia and abroad
- The Agency helps its customers to select individual measures of state support for their technology projects

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Focused Industries

HOW WE CAN BE USEFUL FOR YOU

- Access to a wide network of contacts with Russian businesses, business associations and development institutes.
- A range of opportunities for state support of technological projects.
- Customer-focused service 24/7.
- Full transaction support for technology transfer.
- Matchmaking and effective promotion of technology on the Russian market.

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List of Services

Technology upgrade services

1 Express analysis of the manufacturing system of enterprise

2 Development of product strategy

3 Aggregation of demand on the project of technology modernization

4 Conceptual design

5 Search for a technology solution

6 Search for R&D partners

7 Information and consulting support for the negotiation process

8 Representation of the customer's interests in transactions of technology transfer

9 Assembly of investment project

10 Selection of measures of the state support for projects

11 Assistance in arranging project financing

Expertise

12 Technological expertise of projects

Promotion and Matchmaking

13 Technologies and competencies push in Russia

14 Assistance in certification of technologies in Russia (agent`s function)

15 Matchmaking, organization of licensed production in Russia

Rosatom HealthCare Pharmaceutical Plant

Amount of investments:
Up to 6 billion Rubles

РОСАТОМ

Glatt

Rosatom HealthCare in partnership with Agency of Technological Development have launched construction of pharmaceutical production facility in Moscow Region. Rosatom HealthCare modern plant will produce innovative drugs and generics to treat oncology, CVC, autoimmune and other socially significant diseases.

Marketing Research

- ✓ The search for the fastest growing and perspective market segments
- ✓ Precision targeting of end production

Product Strategy Development

- ✓ Defining product pipeline in view of localization perspective and technological solutions, and market potential

Products DD

- ✓ Due Diligence of products of interest to license to the Russian Federation, including technological expertise, financial modeling, competitive landscape analyses, associated risks assessment.

Conceptual Project Planning

- ✓ Description of technical requirements, equipment and technological processes to produce products pipeline
- ✓ Calculating amount of investments
- ✓ Determination of energy resources
- ✓ Functional zone planning

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Machinery project for international co-operation

ПРИВОДНАЯ ТЕХНИКА

The Agency on behalf of International Group «Drive Technique» is now looking for a foreign partner which can provide **technology for the precision reduction gears production project in co-operation with Drive Technique Company in Moscow.** Italian manufacturer of machinery components Baruffaldi is considered as one of the possible partners for technological solutions.

BARUFFALDI

Market research: assessment of possibility of technology implementation

- ✓ The search for the fastest growing and perspective market segments
- ✓ Precision targeting of end production

Search and examination of the technology solution

- ✓ The analysis and comparison of local and foreign technological peers in the meaning of actuality, costs and licensing.

Licensing support

- ✓ Development of the most comfortable conditions of the transaction
- ✓ Preparation of all necessary transaction documents

Assistance in project realization

- ✓ The most efficient financial structuring and fundraising
- ✓ Support in the organization of production
- ✓ Search for potential consumers of technological products

КОРПОРАЦИЯ СТАНКОМАШ

КАМАЗ

Italian climate-control potential technologies transfer

tecnoclima®
PRESIDIO DELL'ARIA

ATD on behalf of TECNOCLIMA S.p.A. (through its subsidiary in Russia – Group Energia) provides consulting support of potential transfer and localization of climate-control technological solutions and competences for the Russian industrial enterprises

АВТОДОР
ГОСУДАРСТВЕННАЯ КОМПАНИЯ

РОСАТОМ

Российские железные дороги

РОСНЕФТЬ

Proof of concept (POC) - stage

Current stage: **Market research, targeting**	Setting-up partnerships with the Russian enterprises	Matching of the engineering company	Matching governmental measures of support, consulting services
✓ Analysis of market potential for the localization of the climate-control system equipment in Russia; ✓ Making a detailed list of potential consumers of the equipment.	✓ Identification of technological/ strategic partners most interested in adaptation and localization of the equipment manufacturing; ✓ Support of conclusion legally-binding documents between the partners.	✓ Searching and matching relevant engineering company for setting-up manufacturing and equipment supply; ✓ Matching and technological auditing of the manufacturing capacities for the organizing manufacturing.	✓ Analysis and matching of federal and regional measures of the Government support and programs of the Government development institutes for the foreign investors; ✓ Overall (legal, investment, etc.) consulting support.

Italian Big Data technologies transfer

MASTER TRAINING

TechnoAware
TECHNOLOGIES FOR AMBIENT INTELLIGENCE

Agency on behalf of the leading Russian ammonia-producer Toglyattiazot OJSC provides overall consulting support of Creating in Russia International IT-platforms for Big Data integration and administration in educational and business institutions ("Social network – Education"), while emergency situations ("Clever Secure Environment") **with implementation of the best Italian practices and technologies.**

Тольяттиазот

СОЦИАЛЬНЫЕ ПРОЕКТЫ

Current stage: Assistance in IT- products certification in Russia	Matching governmental measures of support	Support in IT-platform multiplication in Russia	Support in distribution IT-platform abroad
✓ Legal support in certification in Russia mutually developed new IT-products .	✓ Matching relevant governmental measures of support of IT- producers in Russia; ✓ Consulting assistance in getting relevant ones.	✓ Market research; making short list of potential consumers; ✓ Assistance in distribution IT-products in Russia.	✓ Analysis of the IT-product export potential, market research; ✓ Overall support of the IT-product multiplication and distribution abroad.

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Korean waste recycling technology transfer

РУССОЛЬ

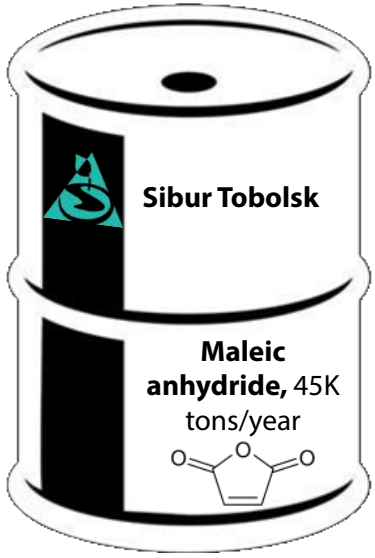
The Agency at the request of «RusSalt» carried out through the network of the international partners **a search of technology and the technology partner for the project of complex waste recycling in the Orenburg region.**

LS Networks

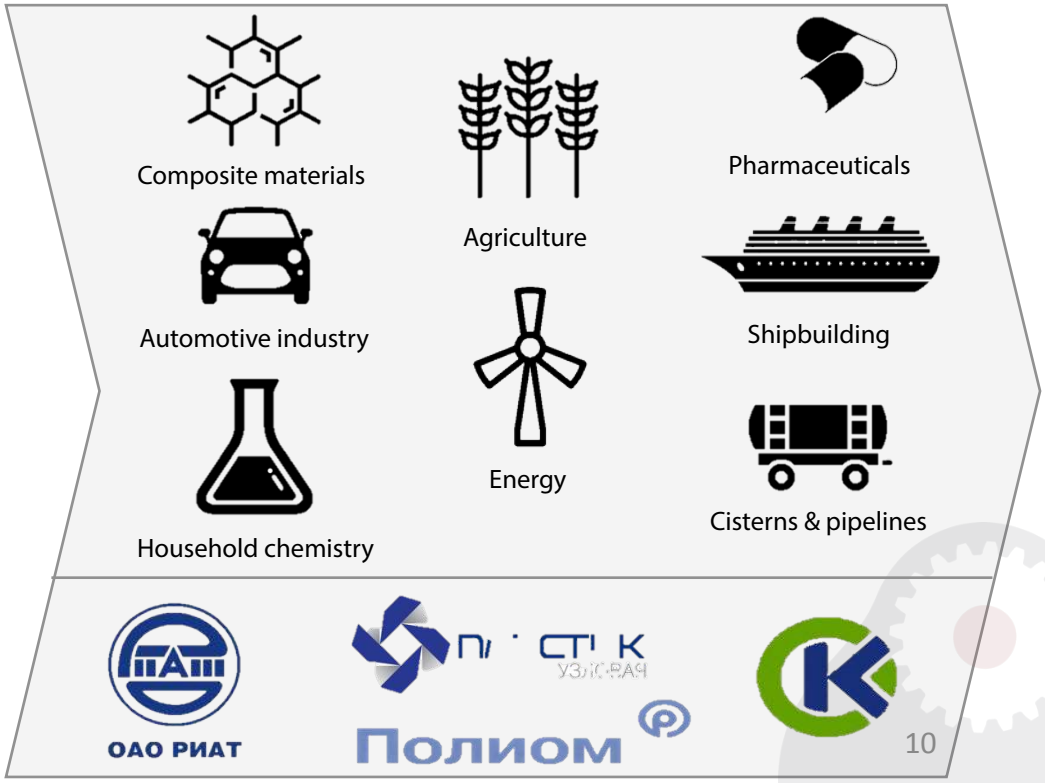
Search and examination of the technology solution	Assessment of a possibility of implementation of technology	Implementation of the technology solution	Selection of measures of the Government support
✓ Technology suppliers` market research for different branches; ✓ The analysis and comparison of technology features of analogs of technologies in the Russian Federation and abroad, technical data sheet, criteria of use and cost indicators.	✓ Technology suppliers` market research for different branches; ✓ The analysis and comparison of technology features of analogs of technologies in the Russian Federation and abroad, technical data sheet, criteria of use and cost indicators	✓ Partner selection for the implementation of the technology solution; ✓ Selection of the engineering company.	✓ The analysis and matching of federal and regional measures of the Government support and programs of the Government development institutes applicable for the customers` project on technology modernization or localization.

Maleic Anhydride (MAN) high-stage conversion industrial cluster

The Agency and Sibur Holding have launched the project aimed on creation of a cluster of enterprises processing maleic anhydride. For the project execution, the Agency is in search for **technological partners for building a chemical industrial cluster with the most up-to-date technologies available for more then 10 process stages and over 20 anhydride conversions for different kinds of highly competitive end products.**



20	Unsaturated Polyester resin
8,6	Interdimers
3,4	Tartaric acid
0,9	Malic acid
0,8	Fumaric acid
0,4	1,4-butanediol
0,1	Succinic acid
0,1	Tetrahydrofuran
XX	*Imported into Russia in 2015, thousand of tones*



Russian companies' technological wishlist

Industry	Industrial Partner	Description	Technology/Products
Life Sciences		Pharmaceutical Plant	Innovative pharmaceutical products for treatment of oncology, CVC and autoimmune diseases
Construction		Technical Superiority Center in Construction Industry of the Russian Federation	3d concrete printing, additive technologies, building information modeling (BIM), large-block modular construction, VR and 3d modeling, self-healing concretes and other cutting edge technologies in construction industry
Chemistry		Maleic Anhydride (MAN) high-stage conversion industrial cluster	Technologies for more then 10 process stages and over 20 anhydride conversions for different kinds of highly competitive end product
Biotechnology		Industrial Biotech	Enhanced production of industrial xanthan gum for oil drilling
Agriculture		Bio cluster «Bio complex» in Omsk region	Bioethanol and fodder yeast production technology
Transportation		IoT for logistics	Technologies of automatic data defect and interpretation, microprocessor locking systems
Machinery		Precision reduction gears	Technology for the precision reduction gears production

Technical Superiority Centre for Industrial Construction

On 12 April 2017, Rosatom State Corporation, Rosatom Capital Construction Centre, Agency for Technological Development, Skolkovo Fund and NACEC jointly established a Technical Superiority Centre for Industrial Construction in the Russian Federation A 2017 "roadmap" - joint activity plan - was approved

- ✓ Global-scale search of cutting-edge world-class technologies
- ✓ A supermarket of contemporary advanced technology solutions
- ✓ Full range of support services throughout the process of construction technology
- ✓ transfer and implementation
- ✓ Implementation of national economy upscale projects with multiplier effects

Custom Configurable Fast Assembly Method for Large-Span Precast Concrete Structures (LEGO Project)

СКЦ РОСАТОМА

AGENCY OF TECHNOLOGICAL DEVELOPMENT

RIZZANI DE ECCHER

EUROCOMP URAL

Implementation example	Potential cost saving	Timeframe reduction
Flyovers (00USY, 03UBY-06UBY structures at Kursk NPP-2	7.07 M USD* (40%)	up to 8 times

Discussions are underway regarding the use of this technology in the following NPP export projects: Akkuyu NPP, Hanhikivi-1 NPP, Bushehr-2 NPP, El Dabaa NPP, Rooppur NPP, Paks NPP

Technology Market Place

The register of the ready replicated technology solutions for the Russian industry

Formation purpose:
contribution of technological modernization of Russian enterprises by increasing their knowledge in the field of reliable and effective technologies

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4 steps to enter the Technology Marketplace

Technology owner provide information about technology in a determined format*

Free placement of technology on «supermarket»

Declaration on compliance to formal requirements

Availability of information

Short information about technology

*Technologies are only accepted from their owners or their authorized persons

Promotion tools

Marketing package

- Company`s brochure
- Landing page
- SMM

Information support

- ATD website information placement
- A place on our TMP «shelf»
- ATD`s monthly digest

Event management

- Promotion and event management
- Joint exhibitions participation
- Organization of remote education

Contact Details

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