



**ТАТНЕФТЕХИМИНВЕСТ
ХОЛДИНГ**

—▶▶ March 2025

Coordination of the petrochemical complex
of the Republic of Tatarstan since 1994

Oil Production

Oil Refining

Gas Refining

Chemical Industry



Rubber and Plastic Products

Pharmaceuticals

Biotechnology

Ecology

«Tatneftekhinvest- Holding»

**Coordinates the development
of the petrochemical
complex of the Republic
of Tatarstan**



Attracting Projects

search, evaluation and attraction of technologies and companies for the implementation of projects in the Republic of Tatarstan



Support for Companies

assistance in the implementation of investment and innovation projects



Provision of Raw Materials

assistance in solving issues of raw materials supply



Cooperation

development of cluster connections



Planning

development of strategic documents and strategic decisions



Communications

organization of conferences and round tables

Participating in R&D and innovation projects

Expertise

Technological and economic evaluation of projects
External expertise by the Scientific and Technical Council
of Tatneftekhiminvest-Holding

Consulting

Market research
Search for potential partners
Assistance in concluding a contract

Financing

Financing costs at the laboratory or prototype stage

Piloting

Assistance in pilot implementation on the territory
of the Republic of Tatarstan

Scholarships

Personal scholarships based on the results of the
selection of projects of the republican competition
«Fifty best innovative ideas for the Republic
of Tatarstan»

Promoting Innovations in 2024

14

**R&D
and investment projects**

received support through participation in the implementation, co-financing of works

20

**Innovative
Proposals**

worked out through searching for partners, establishing direct contacts, facilitating the organisation of product and technology trials

45

**Market
Reviews**

conducted to assess the directions of development of the oil and gas chemical complex

Support for R&D in 2024

1

Finalisation of sulphur formulation for the tyre industry

Supervising the development of the formulation of copolymer sulphur used for rubberisation of metal cord in passenger tyre belts

Developer - Kazan National Research Technological University

2

Water purification

Development of an experimental energy-saving water treatment plant with a capacity of 500 litres per day

Project Participant - NPO Kinematica LLC (Kazan)

3

Use of zeolites as carriers of probiotics

Research and development work to study the possibility of sorption and yield of probiotic bacteria on zeolite samples with different degrees of granularity

Developer - Federal State Educational Institution of Higher Education «Kazan (Volga Region) Federal University»

4

Oil sludge processing

Establishment of a pilot plant in Karabash settlement (Republic of Tatarstan)

Project Participant - Industrial Ecology LLC (Republic of Tatarstan)

5

Increasing potato yields

Research work on assessment of efficiency of zeolites and superabsorbing polymers of different size fractions in potato cultivation technology

Developer - FGBNU «A.G. Lorkh Potato FIC» (Moscow region)

6

Treatment of effluent from dairy production

Research and development work on the development of waste-free technology of dairy production wastewater treatment

Developer - Kinematica LLC

7

Wastewater control

Creation of a system for determining biochemical oxygen consumption in wastewater. The project is implemented from 2019

Project participants - LLC Kinematica, LLC NPP Ekoenergomash (Kazan)

8

Wastewater treatment

Development and selection of new bacterial colonies constituting activated sludge for wastewater treatment. The project is supported from 2019

Project initiator - Kinematica LLC

Participation in the implementation of investment projects

Production of chemical reagents

Supervising the construction of a plant to produce chemicals for oilfield chemistry with a capacity of 20,000 tonnes in the village of Karabash (Republic of Tatarstan) by JSC NPC Khimtekhnno (Kazan).

Primary processing of industrial hemp

Implementation of the investment project «Development and creation of a line for primary processing of industrial hemp» jointly with LLC Agroiintech (Kazan)

Production of polyurethane foam products

Development and manufacture of polyurethane foam products with memory effect in cooperation with Natural Health LLC (Kazan)

Carbon firing range operation

Participation as an industrial partner in the Carbon-Povolzhye carbon polygon (Republic of Tatarstan)

Selection of hydrogen sulphide absorber

Continuation of works on supervision of selection of hydrogen sulphide absorber in oils at oil facilities in Russia and the Republic of Kazakhstan, jointly with JSC «Research and Production Centre «Khimtekhnno».

Expanding the range of veterinary products

Continued work with JSC NPC Khimtekhnno to expand the range and markets for veterinary products.

Key areas supported in finding partners and conducting trials

Extraction of biologically active components

Application of supercritical fluid extraction process of biologically active components from chaga mushroom. The work is carried out jointly with JSC Tatkhimpharmpreparaty (Kazan)

Development of biotechnology and agrochemicals

Work as a member of interdepartmental working groups to implement projects in the Republic of Tatarstan («Tatarstan-Squalenica», «Hemp. Flax. Organic farming»)

Recycling of medical waste

Work as a member of an interdepartmental working group on processing medical waste using plasma chemical destruction technology

Extraction of vanadium and nickel

Study of the possibility of extracting vanadium and nickel from heavy oils. The work is carried out jointly with JSC GC Rusredmet (St. Petersburg)

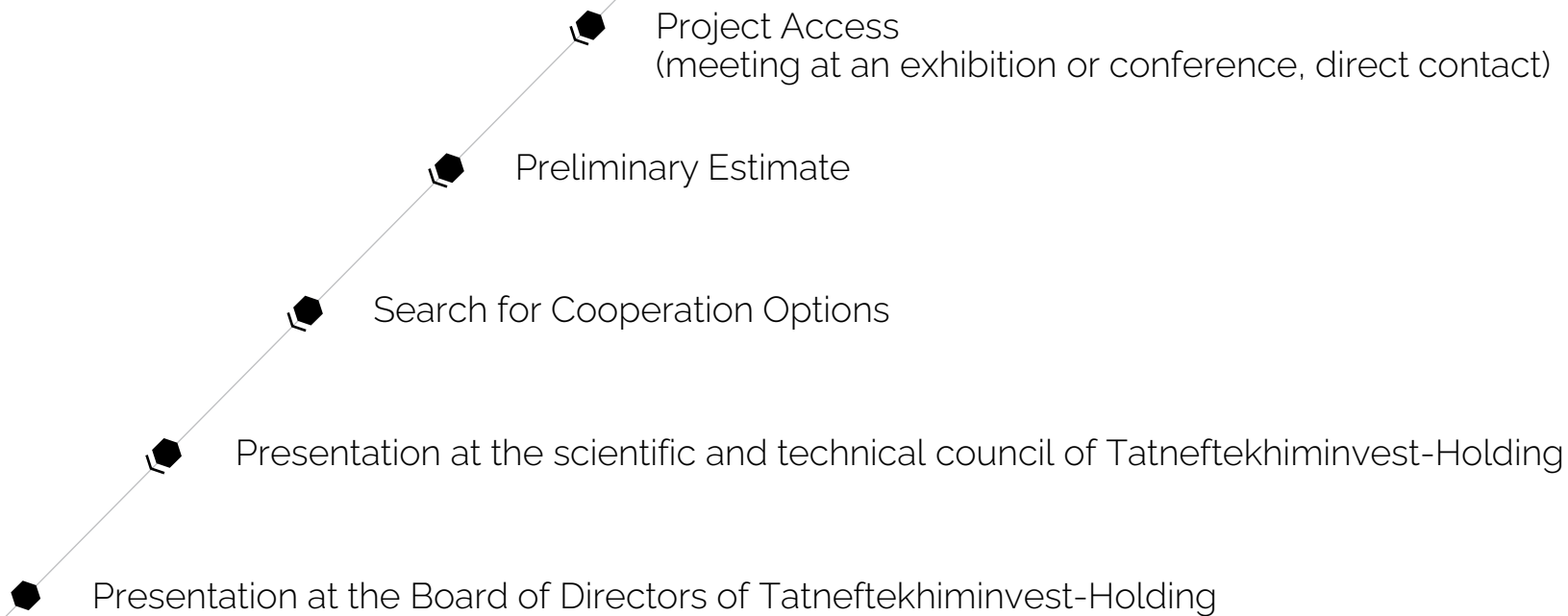
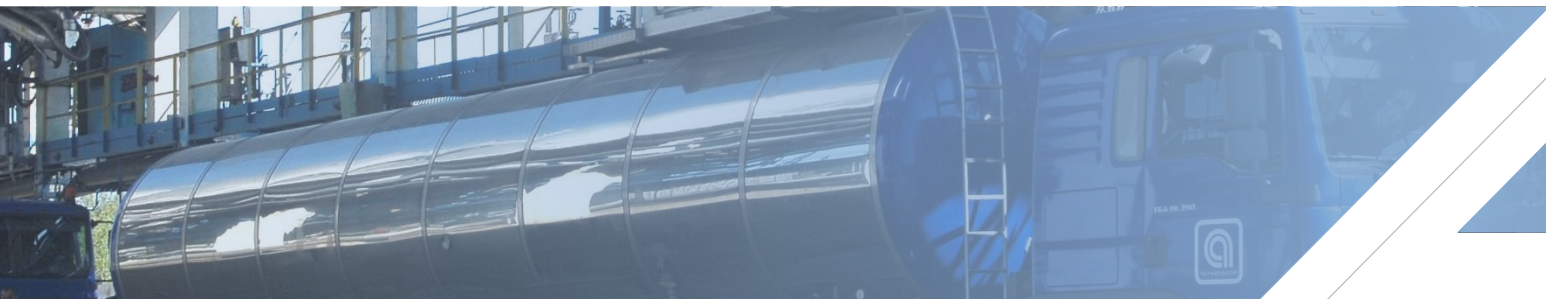
Textolite production

Work as a member of an interdepartmental working group to organise the production of multilayer textolites used in the manufacture of printed circuit boards

Use of serobitumen in road construction

Continuation of work on the use in road construction of sulphur-bitumen produced at the joint pilot plant of JSC Tatneftekhinvest-Holding and LLC Bureau of Innovative Chemical Technologies (Kazan)

Algorithm for working with proposals and projects



At the board of directors, a project can be presented to the heads of authorities and major companies

Chairman of the Board of Directors –
Rais of the Republic of Tatarstan
R.N. Minnikhanov

Ministry of Economics
Ministry of Industry and Trade
Investment Development Agency
Ministry of Construction, Architecture and Housing



12

meetings
of the board of directors
are held annually



54

projects and
companies
were presented
in 2024

Participating in the formation of raw material flows

Contracting

Assistance in concluding direct contracts for the supply of hydrocarbon raw materials and chemical products between companies of the Republic of Tatarstan



Discussion of problems

Organization of meetings of enterprises - producers of hydrocarbon raw materials with consumers to solve problematic issues

Needs projection

Formation of current and strategic balance of raw materials for the oil and gas chemical complex of Tatarstan and analysis of the implementation of the intra-republican cooperation program

Shaping strategic decisions

6th

the oil and gas chemical complex development program developed by us is being implemented in Tatarstan



Industry Programs

Developed programs for the development of the oil and gas chemical complex of the Republic of Tatarstan

- ▷ for 1999-2003
- ▷ for 2004-2008
- ▷ for 2010-2014
- ▷ for 2015-2019
- ▷ for 2020-2024
- ▶ for 2025-2029

Developed strategies for biotechnology development in the Republic of Tatarstan

- ▷ for 2010-2020
- ▶ for 2025-2029

Developed a targeted program for the development of the pharmaceutical industry of the Republic of Tatarstan for 2011-2020



Regional Documents

Participation in the development of regional strategic documents



Corporate Plans

Assistance in the development of strategic documents of production companies, educational organizations



Current Analysis

Quarterly analysis of the results of oil and gas chemical complex development in the Republic of Tatarstan

Organizing Events

Annual conferences within the framework of the Tatarstan Oil and Gas Chemical Forum

International Scientific and Practical Conference on Advanced Petrochemical and Refining Technologies

Practical HR-conference «Personnel for Industry: from Current Challenges to Strategic Decisions»



Thematic round tables at national events



TATARSTAN OIL AND GAS CHEMICAL FORUM

Held annually in the last days of August or early September

Publishing Information Materials



Analytics and catalogs

Catalog of manufacturers of
chemical-based materials for
construction and road
applications

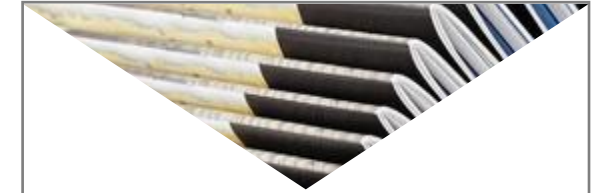
Analytical materials on
the development of
the oil and gas
chemical complex



Information for Investors

Presentation materials

Scheme of cluster
development of
hydrocarbon
processing



Articles

Publications in
newspapers and
magazines

Placement of industry
news on the
Company's website

Formation of digests
for ministries and
agencies

To start cooperation, contact us



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