

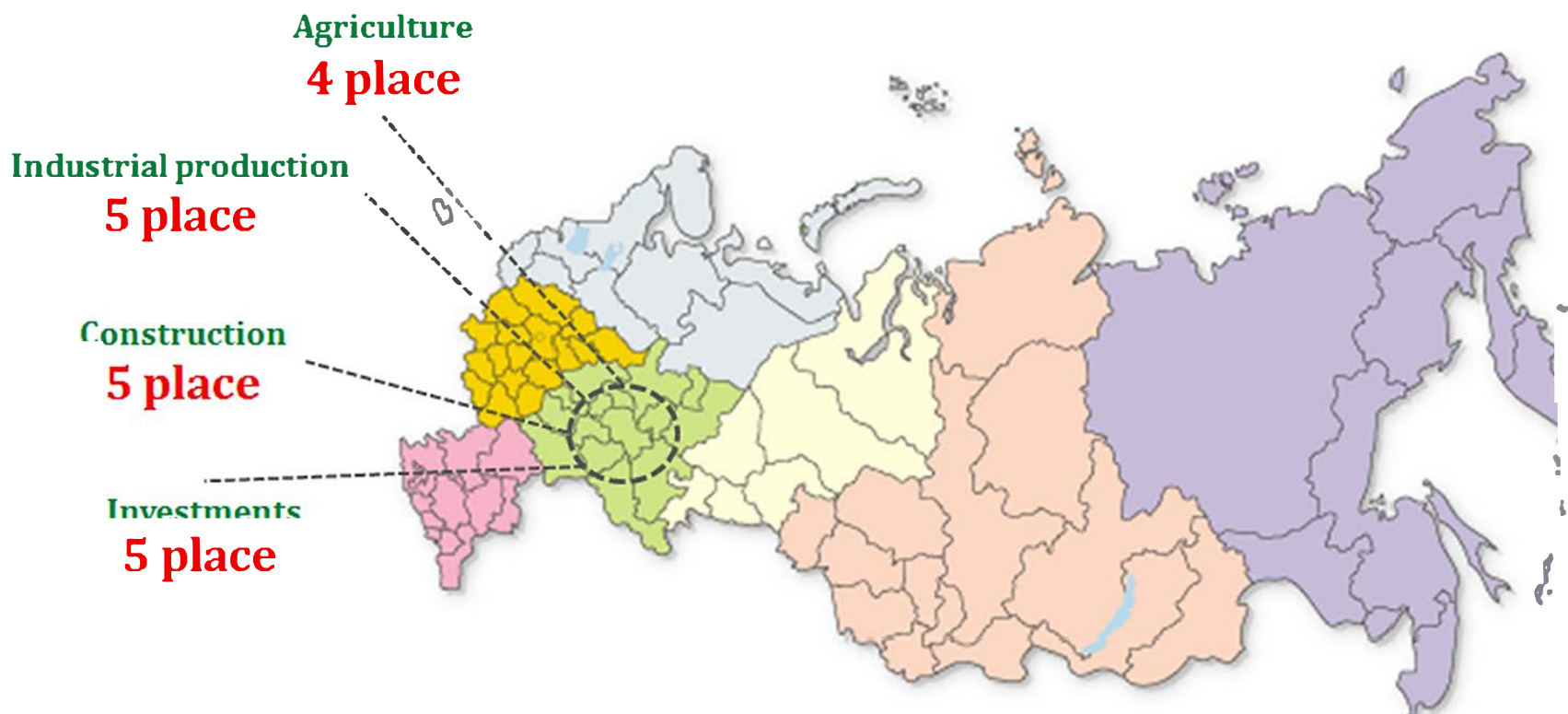


REPUBLIC OF TATARSTAN

KAMA INNOVATION REGIONAL INDUSTRIAL CLUSTER OF THE
REPUBLIC OF TATARSTAN
"INNOKAM"



Macroeconomic state of the Republic of Tatarstan among Russian regions



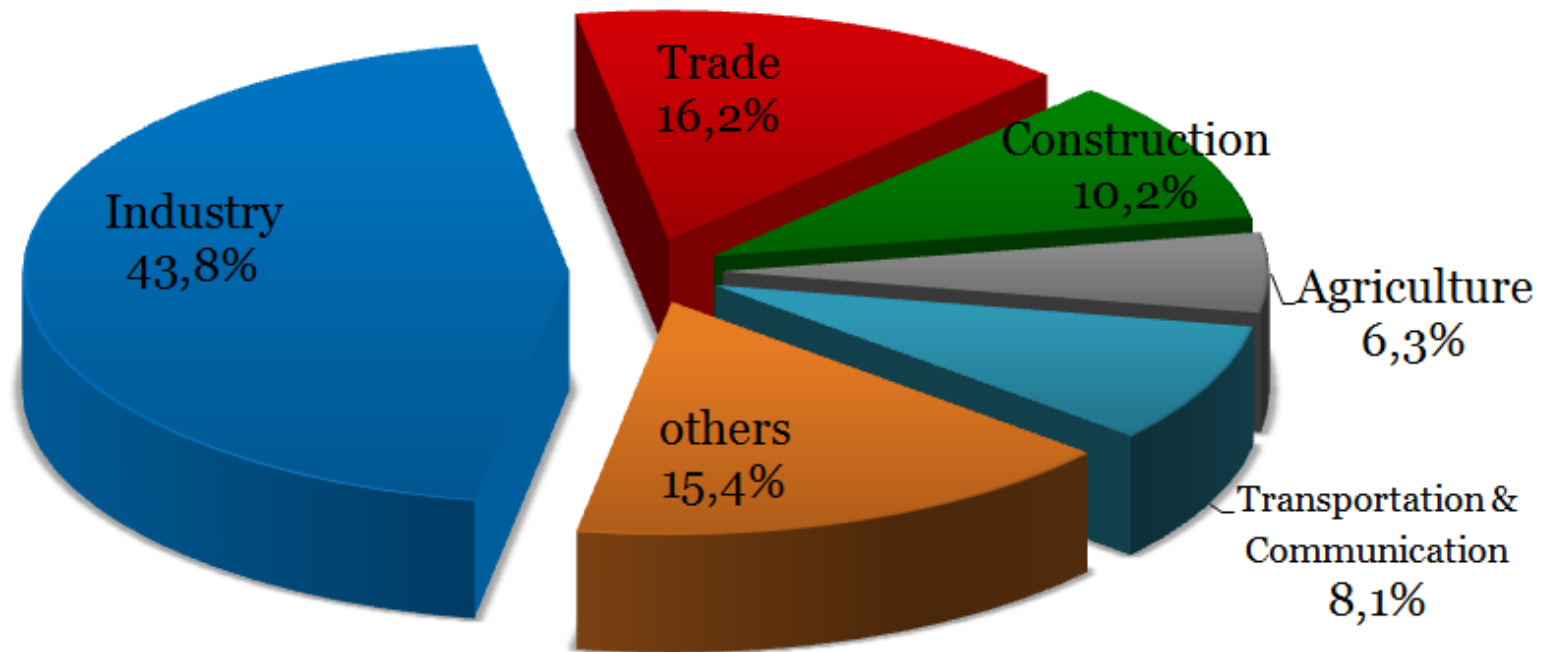
In the Republic of Tatarstan produces:

- 50% of Russian polystyrene and polyethylene
- 46% of synthetic rubber

- 30% of tires
- 30% of trucks
- produces 6,3% of Russian oil



GRP Structure of Tatarstan



Key sectors of Tatarstan's industry are:
Petrochemical and Machinery



The national rating of investment climate in the Russian regions

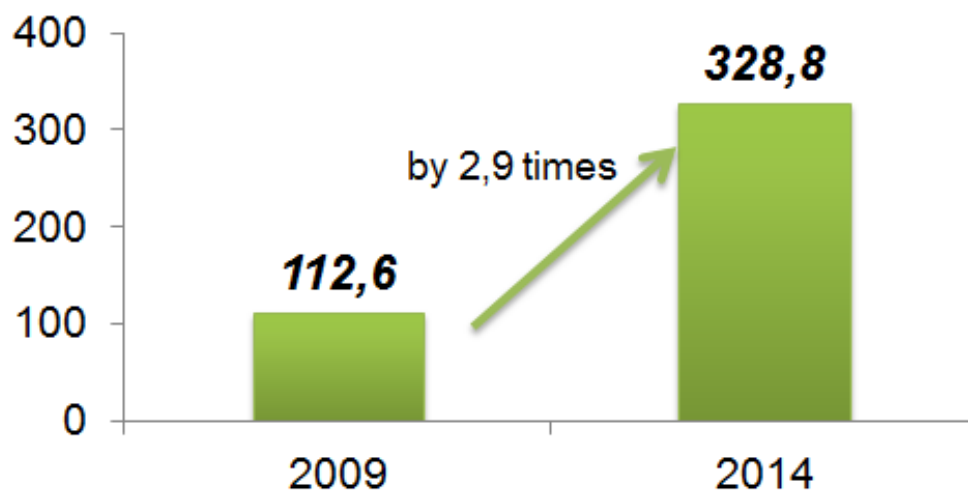
Regions	Rating
KALUGA AREA ULYANOVSK AREA KRASNODAR TERRITORYY <u>REPUBLIC OF TATARSTAN</u> KOSTROMA AREA	I
TULA AREA KRASNODAR TERRITORYY TOMSK AREA ALTAY TERRITORY	II
VLADIMIR AREA ROSTOV AREA CHELYABINSK AREA LENINGRAD AREA	III
SAMARA AREA KHABAROVSK TERRITORY MOSCOWW SAKHA AREA	IV
SVERDLOVSK AREA STAVROPOL TERRITORYY SAINT PETERSBURG PRIMORSKIY TERRITORY	V



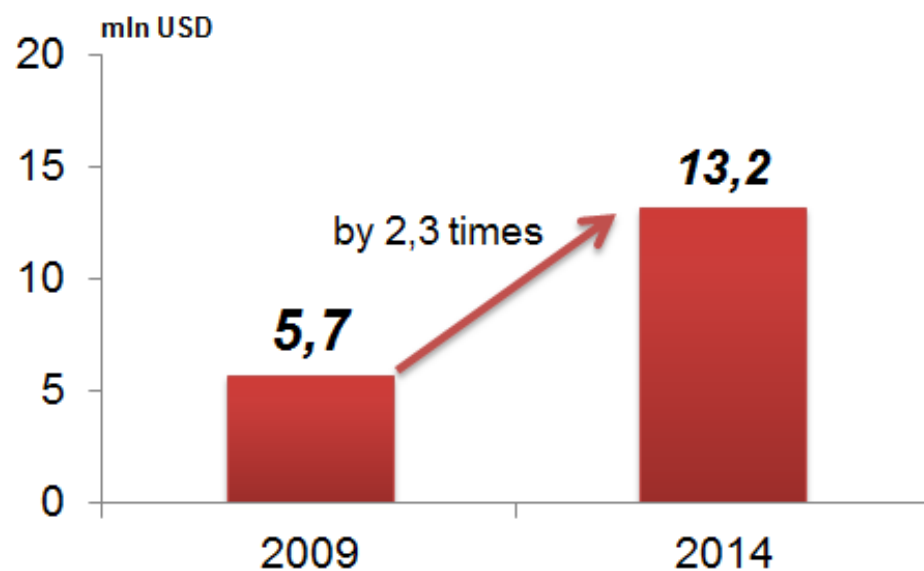
Trade turnover of Sweden and Tatarstan

Tatarstan → Sweden

mln. USD

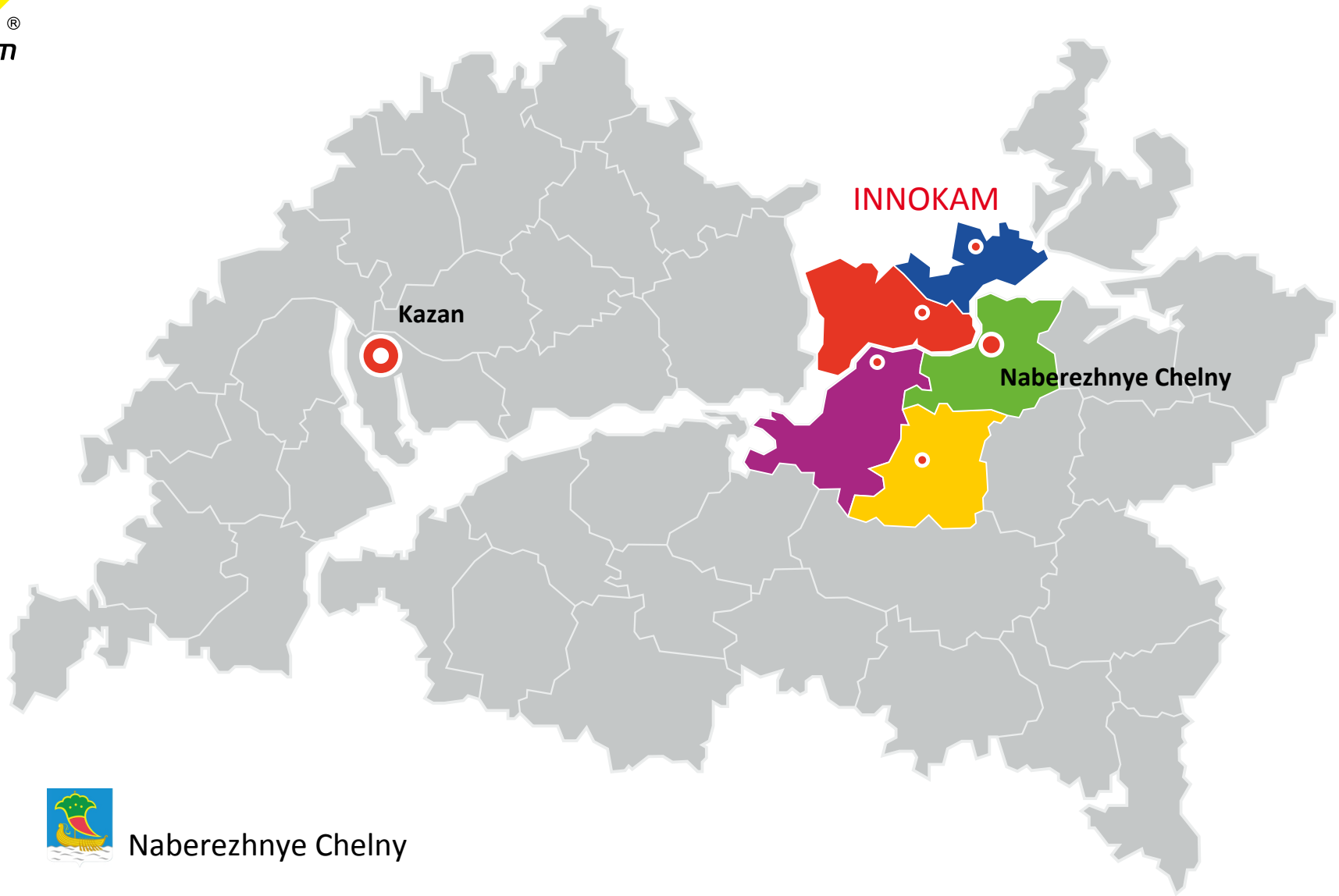


Sweden → Tatarstan





INNOKAM SERVES AS A BASIS FOR THE ECONOMIC DEVELOPMENT OF THE REPUBLIC OF TATARSTAN
IT IS CONSIDERED TO BE THE LARGEST REGIONAL INNOVATION CLUSTER



Naberezhnye Chelny



Nizhnekamsk region



Elabuga region



Mendelevsk region



Zainsk region



Tukaevsk region

Getting a bronze certificate



**II International Conference
"Partnership for development of clusters"
23-24 April 2015**

THE LOCATION OF INNOKAM



URBAN DISTRICT OF NABEREZHNYE CHELNY

The total area is 171,0 sq.km. The total population is over 523000 people. Today Naberezhnye Chelny is a multifunctional center: industrial, Cultural and scientific with highly developed economic structure. It is the main transport link of the north-eastern part of Tatarstan. Naberezhnye Chelny is an industrial centre of the left bank of the Kama region junction. Naberezhnye Chelny is a city of culture and sport: the pride of the city is "KAMAZ-Master" team. The city is the administrative center of Tukayevsk municipal region, Despite the fact that it is not a part of it. Regional Emergency Medical Center, situated in Naberezhnye Chelny, is one of the best in Russia.



NIZHNEKAMSK MUNICIPAL REGION

1

The total area is 1672,5 sq.km. The total population is over 273000 people. The administrative center is Nizhnekamsk, it is the third largest city in the Republic of Tatarstan. The city has well-developed industry. The major petrochemical complex of Russia is located in Nizhnekamsk. The city is the largest producer of polyisoprene and one of the four world's largest producers of butyl/halobutyl and polybutadiene. The local Hockey Club "Neftekhimik" was founded in 1968 and is now a part of the Continental Hockey League – the elite league of the best hockey clubs of post-Soviet space.



ELABUGA MUNICIPAL REGION

2

The total area is 1041,7 sq.km. The total population is over 84000 people. The administrative center is Elabuga. Special Economic Zone of Industrial and Production type "Alabuga" (SEZ "Alabuga") is situated in Elabuga municipal region. SEZ "Alabuga" is the largest special economic zone of industrial and production type in Russia and one of the most prepared investment areas suitable for implementation of the largest industrial projects in Russia. The practical target of SEZ "Alabuga" is an organization of import-substituting production of Russian raw materials. The rich history of Elabuga is reflected in historical monuments of culture, and symbols of the town.



MENDELEEVSK MUNICIPAL REGION

3

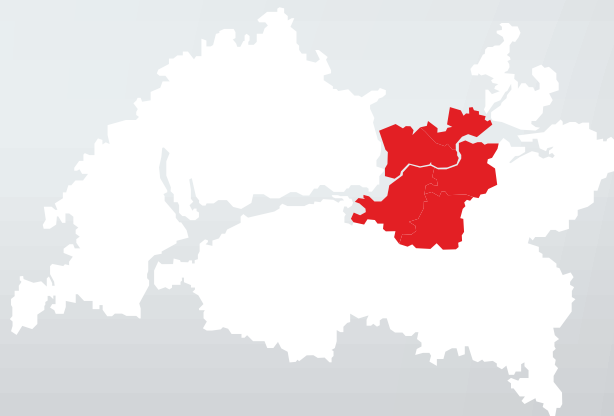
The total area is 746,4 sq.km. The total population is over 30000 people. The administrative center is Mendeleevsk. Mendeleevsk is an important centre of the chemical industry. It also has well developed agricultural industry. Karpov Chemical Plant (was founded in 1868), located in this town, is one of the oldest plants in Russia.



ZAINSK MUNICIPAL REGION

4

The total area is 1861,6 sq.km. The total population is over 57000 people. The administrative center is Zainsk. The main industry of the town is production of electrical energy. Agriculture: spring wheat, fall rye, sugar beet, pearl, buckwheat and pea are cultivated in the district. Agricultural cattle breeding targeted at meat and dairy cattle breeding is one of the major industries of this district. Hydroelectric Power Plant is also situated in Zainsk.

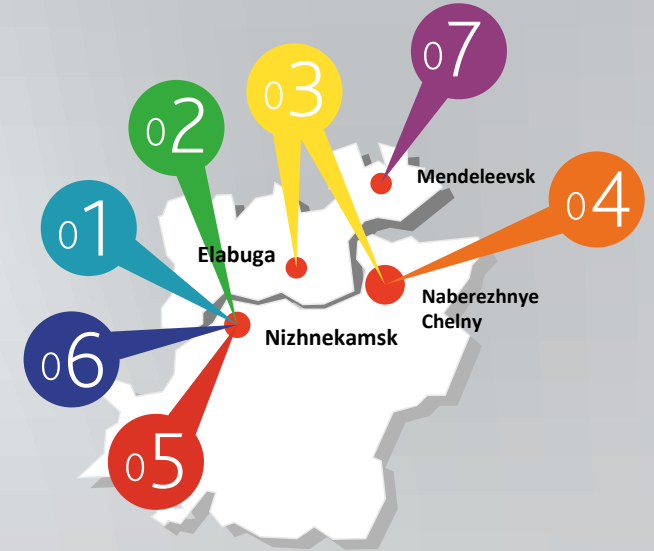
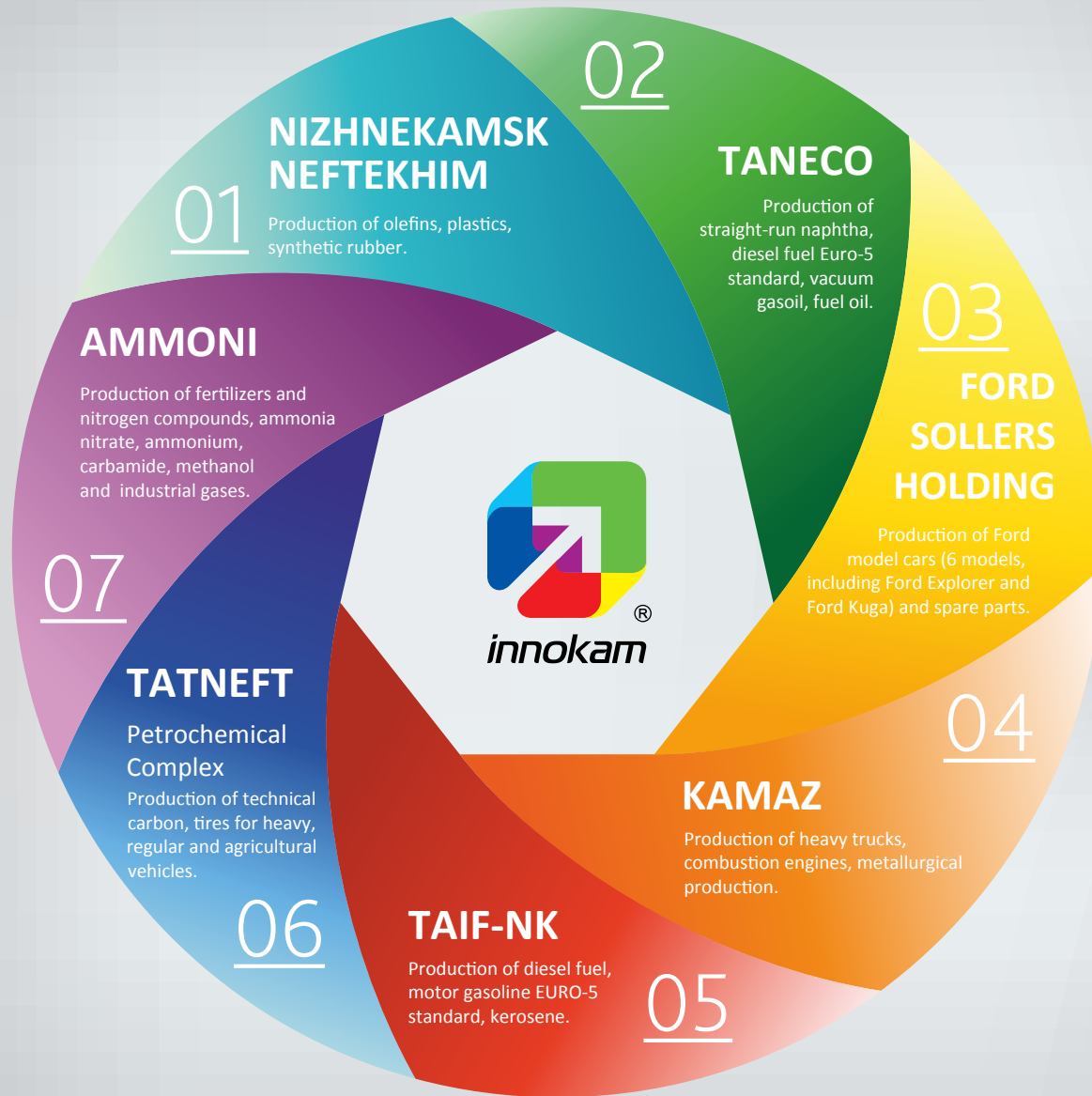


TUKAEVSK MUNICIPAL REGION

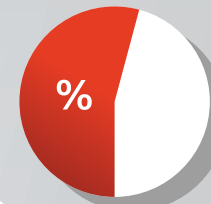
5

The total area is 1744 sq.km. The total population is over 38000 people. The administrative center is Naberezhnye Chelny. Tukayevsk municipal district is situated within the boundaries of coal basin Kambass. There are peat deposits near the population centers Ilbukhtino, Tlyanche-Tamak and Kuzkevo. In some places peats are rich with limestone solutions. The agroindustrial complex of district has a multi-industry agricultural production with well-developed poultry and pig breeding.

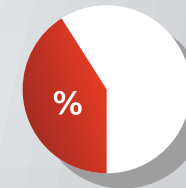
THE MAIN PARTICIPANTS OF INNOKAM



CLUSTER MANUFACTURES:



54%
POLYSTYRENE



42%
SYNTHETIC RUBBER OF THE RUSSIAN FEDERATION



EVERY THIRD RUSSIAN HEAVY VEHICLE



EVERY SECOND TIRE



PAO «НИЖНЕКАМСКНЕФТЕХИМ»



TATNEFT



TONGCO



sollers



CLUSTER PARTICIPANTS



CLUSTER COMPANIES

TATPROF

ROSTAR

Riat

Nachalo Production Company

New Casting Technologies

Mefro wheels RUSSIA Plant Zainsk

Korib Group

Kama Plant "Avto-Agregat-Center"

Magnolia

Kama Crystal Technology

Karpov Chemical Plant

Tatneft-Presscomposite

Kamatek

Hiton-plast 2



RESEARCH AND EDUCATION COMPLEX

Academy of Sciences of the Republic of Tatarstan

Kazan State Energetics University

Kazan National Research Technological University

Kazan National Research Technical University named after A. N. Tupolev

Regional Institute of Advanced Technology and Business

Resource Center – ALABUGA

Kazan (Volga region) Federal University

Tatarstan Center of Scientific and Technical Information

Eidos-Medicine

Eidos-Robotics

Intellos

Robotics prototyping centre



INDUSTRIAL AND INNOVATIVE HUBS

Alabuga Special Economic Zone, Industrial and Production Type

Industrial Park "Chelny"

High-Tech IT Technopark in Naberezhnye Chelny

Tatarstan Centre of Energy Saving Technology

Association of Innovative Regions of Russia (AIRR)

Master Kama Industrial Park

Industrial Park Kamskie Polyany: Managing Company

Kamenergoremont

Technology Transfer Centre

Kama centre of cluster development

Transservice Co., LTD

Prikamie Technopark Research Production Non-Profit Organization

National Regional Metrology Centres of Standardization, Metrology and Testing in the the Republic of Tatarstan



STATE COORDINATORS

Ministries of the Republic of Tatarstan

The special authority of the cluster – "Non-profit organization Kama Innovation Regional Industrial Cluster"

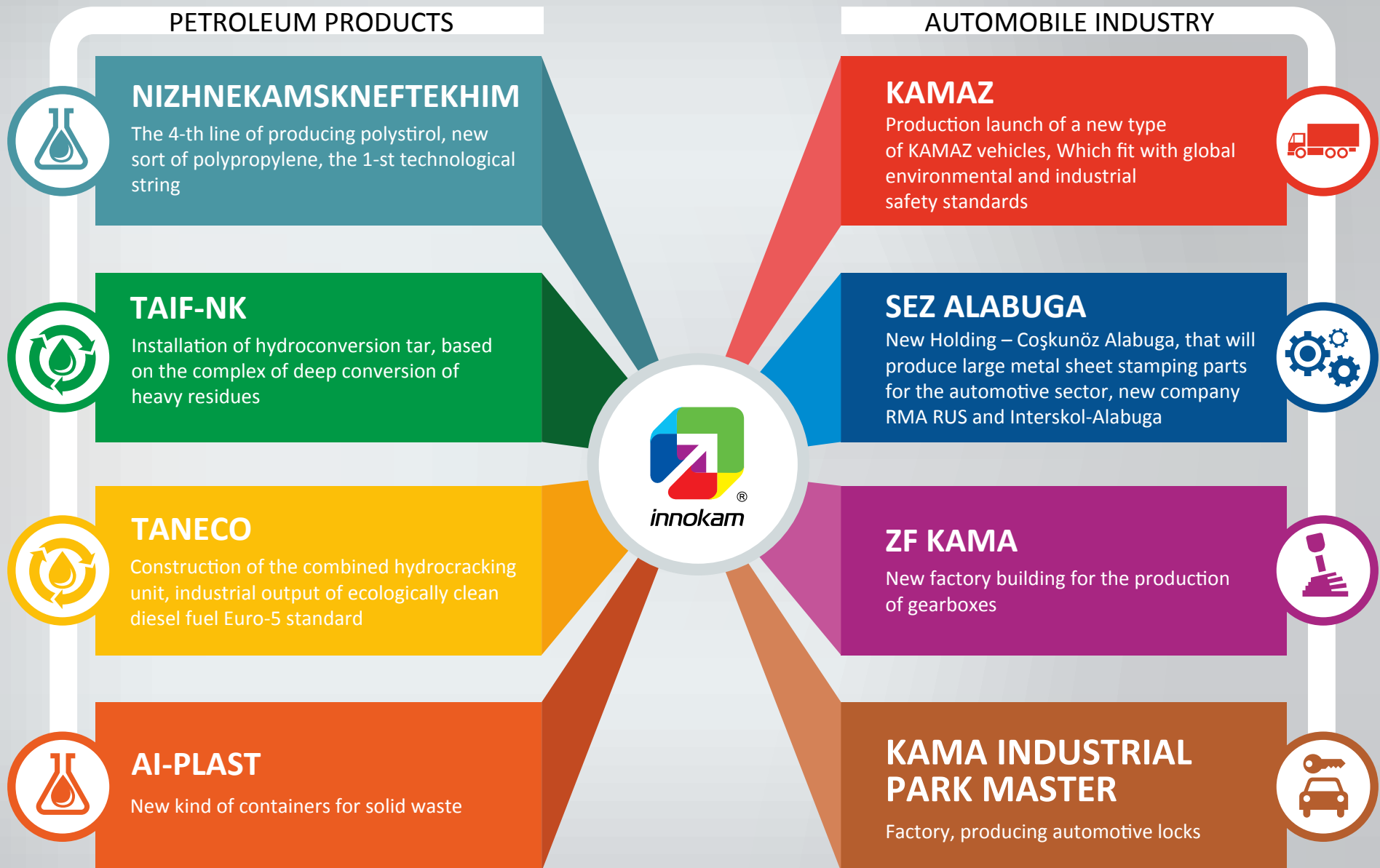
The Administration of municipal regions (Nizhnekamsky, Elabuga, Mendeleevsky, Zainsky, Tukaevsky municipal regions) and Naberezhnye Chelny Urban district

Tatneftekhinvest Holding

Ministry of Economy of the Republic of Tatarstan

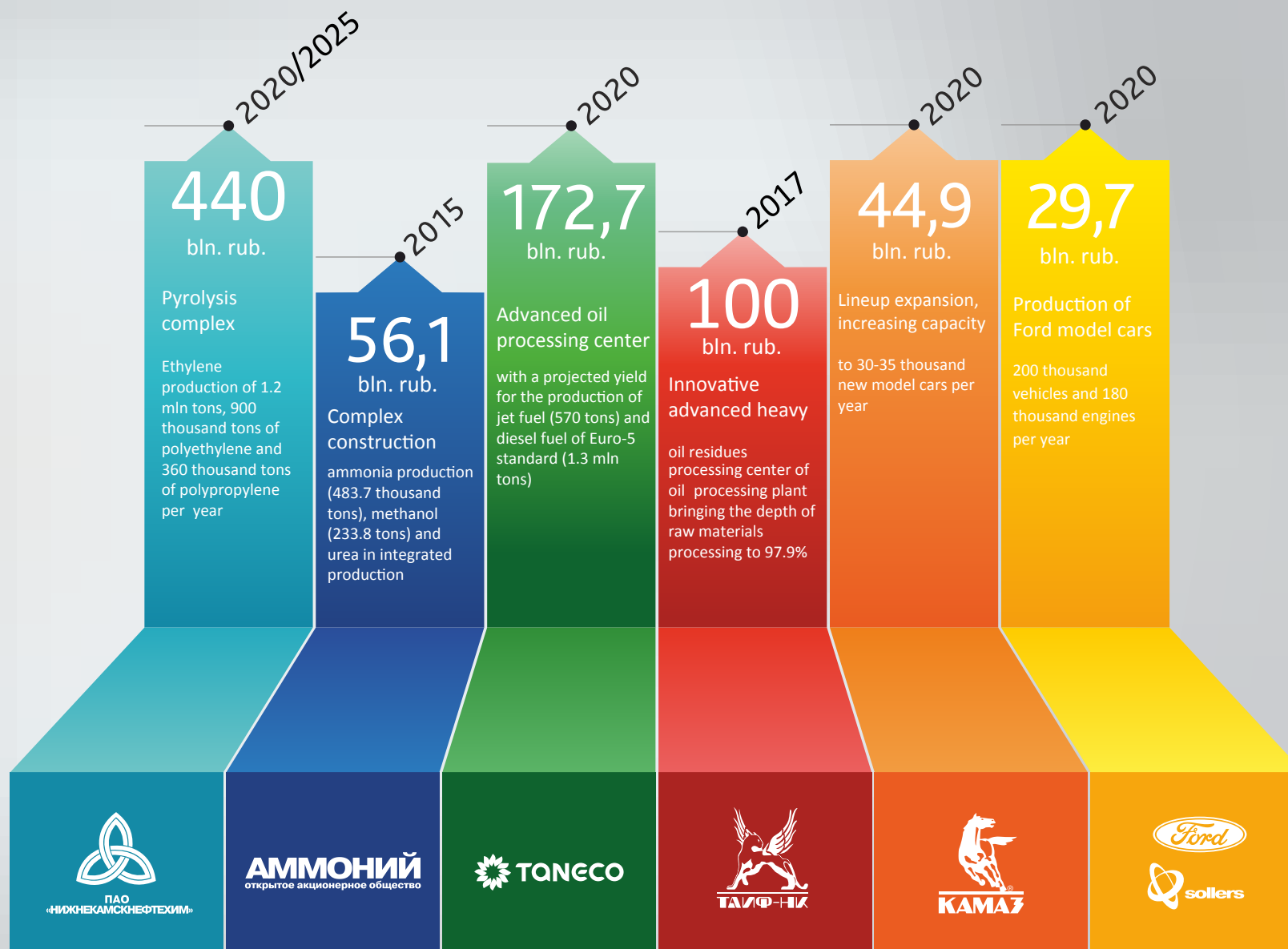
Svyazinvestneftekhim

NEW PRODUCTION IN 2014



MAJOR INVESTMENT PROJECTS

START-UP SCHEDULE



COOPERATION LINKS OF INNOKAM



CLUSTER PROJECTS

INDUSTRIAL INNOVATION

INDUSTRIAL INFRASTRUCTURE

<p>1</p> <p>A kind of vehicle for passenger transport, using electric power.</p> <p>KAMAZ ROSTAR KORA</p>	<p>The goal is to create and apply in industry electrobuses of all classes corresponding with global environmental and industrial safety standards, taking into consideration their visible profitability and environmental friendliness.</p>	<p>6</p> <p>The investigation of the raw materials base of the Yamalo-Nenets Autonomous district in order to realize the project of construction of the main pipeline "Yamal-Povolzhye"</p> <p>NIZHNEKAMSKNEFTEKHIM TAIF-NK TATNEFTEKHIMINVEST HOLDING YAMAL-POVOLZHYE</p>	<p>The purpose is to confirm in quantity of hydrocarbons in Western Siberia, necessary for construction the pipeline in order to supply companies of the Cluster and the Volga region.</p>
<p>2</p> <p>Development of production technology of synthetic gutta-percha</p> <p>NIZHNEKAMSKNEFTEKHIM KAZAN NATIONAL RESEARCH TECHNOLOGICAL UNIVERSITY</p>	<p>The goal is the elaboration of the scientific aspects of synthetic gutta-percha production for its next application to production in the form of import substitution.</p>	<p>7</p> <p>Creation of the Engineering center of flexible manufacturing systems (FMS), enginery and prototyping.</p> <p>KAMAZ KAZAN (VOLGA REGION) FEDERAL UNIVERSITY</p>	<p>The goal is to create a centre, carrying out fundamental and applied investigations.</p>
<p>3</p> <p>The development of new commodity types of polymer products and technologies to improve production efficiency of monomers</p> <p>NIZHNEKAMSKNEFTEKHIM KAZAN NATIONAL RESEARCH TECHNOLOGICAL UNIVERSITY</p>	<p>The goal is to supply tire factories with the production of functionalized SBR (import-substituting).</p>	<p>8</p> <p>The development of Industrial Park Kamskie Polyany.</p> <p>MINISTRY OF ECONOMY OF THE REPUBLIC OF TATARSTAN NIZHNEKAMSKNEFTEKHIM</p>	<p>The purpose is the development of infrastructure; supporting small and medium-sized enterprises; creation conditions for its development.</p>
<p>4</p> <p>Creating robotic complex of the third generation</p> <p>KAMAZ EIDOS KAZAN TECHNICAL UNIVERSITY</p>	<p>The goal is to create the unique robotic complex of the third generation for automobile industry.</p>	<p>9</p> <p>The development of SEZ "Alabuga" infrastructure</p> <p>THE FEDERAL AND REPUBLIC AUTHORITIES</p>	<p>The purpose is to supply necessary infrastructure to the Residents.</p>
<p>5</p> <p>Development of modern system of interurban transportation with removable swap bodies "KAMATEINER" without usage of lifting-transport, equipment.</p> <p>KAMAZ INTELLOS KAZAN TECHNICAL UNIVERSITY</p>	<p>The goal is experimental development of modern system of interurban transportation in order to increase transit capacity of the Cluster.</p>	<p>10</p> <p>Creation of logistic transport pattern in Kama Innovation Regional Industrial Cluster.</p> <p>CLUSTER PARTICIPANTS SCM (SUPPLY CHAIN MANAGEMENT)</p>	<p>Objective analysis of the current state, the identification of "narrow zones" in the areas of road, rail, pipeline and water ways, determination of the priority of investment projects.</p>

STUFF

1

THE SYSTEM OF DUAL TRAINING FOR RESIDENTS OF THE SEZ "ALABUGA" WAS CREATED:

■ **10 professional standards** for foreign companies

■ **10 target and 4 short-term**

educational programs of retraining and raising professional skills of employees

■ **48 teachers** of institutions of secondary education of Yelabuga, Nizhnekamsk, Naberezhnye Chelny and 24 masters were trained in the methods of dual training.

2

MORE THAN

1800 EMPLOYEES

OF COMPANIES – RESIDENTS OF THE SEZ "ALABUGA" WERE TRAINED AND RETRAINED.

3

HIGH EDUCATIONAL INSTITUTES OF THE REPUBLIC HELPED MORE THAN

180 EMPLOYEES

OF COMPANIES – CLUSTER PARTICIPANTS TO RAISE THEIR PROFESSIONAL SKILLS USING 7 INNOVATION EDUCATIONAL PROGRAMS.

4

THERE WERE ORGANIZED ACTIVITIES TO IMPROVE PROFESSIONAL SKILLS OF

56 SPECIALISTS

OF PETROCHEMICAL AND AUTOMOBILE INDUSTRY OF INNOKAM IN BELGIUM USING THE PROGRAM "COMPETITIVE CAPACITY AND CLUSTER DEVELOPMENT" AND IN SOUTH KOREA AND SINGAPORE USING THE PROGRAM "INNOVATION ECOSYSTEM".

5

TOGETHER WITH "RVC" A SPECIALIZED EDUCATIONAL PROGRAM IN THE FORM OF REGIONAL SESSION OF PRACTICAL CONSULTING WAS HELD IN NABEREZHNYE CHELNY.

50 SPECIALISTS

OF INNOVATION COMPANIES, INVESTORS, REPRESENTATIVES OF DIFFERENT UNIVERSITIES AND RESEARCH INSTITUTES TOOK PART IN THE PROGRAM.

6

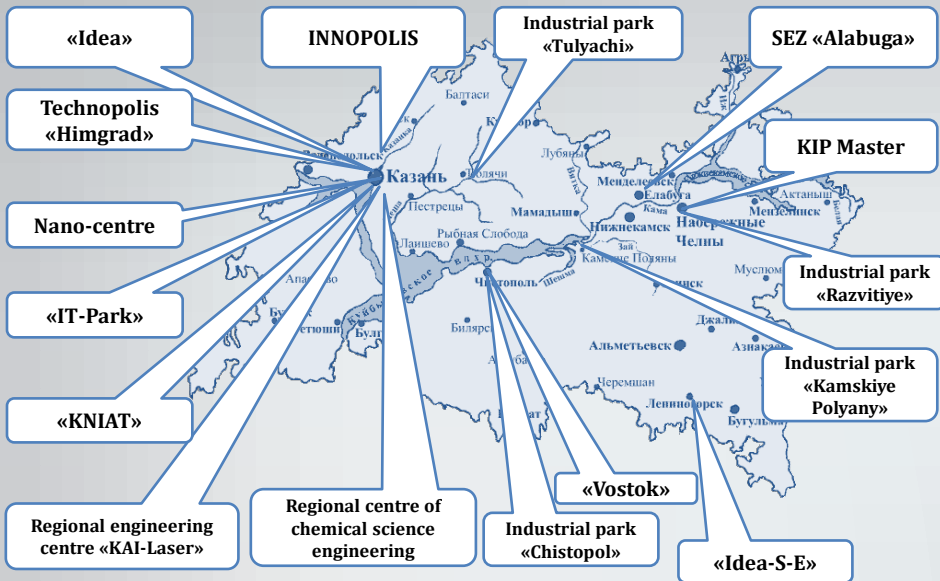
IN NABEREZHNYE CHELNY AND NIZHNEKAMSK DIFFERENT TRAININGS WERE HELD. THEY WERE DEVOTED TO STRATEGIC PLANNING OF THE REGIONAL DEVELOPMENT OF THE CLUSTER. MORE THAN

60 SPECIALISTS

OF MINISTRIES, DEPARTMENTS AND MUNICIPALITIES TOOK PART IN TRAININGS.

MORE THAN 2 200 EMPLOYEES OF COMPANIES – CLUSTER PARTICIPANTS WERE TRAINED AND RETRAINED IN 2014.

Venues for the implementation of innovative investment projects in Tatarstan





The special economic zone Alabuga: residents



RR DONNELLEY



Technopolis "Himgrad"

a modern industrial complex, accommodating small and medium-sized companies in the field of chemistry and polymer processing products



✓ Total area **181 hectares**;

✓ Industrial area :
500 000 sq.m.

resident has a full range of services from R & D stage to determine the logistics flows of finished products

Technopolis "Himgrad": residents





Technopolis "Himgrad": results

Number of residents	250
Number of jobs	6 857
Volume of gross output, 2014	318,8 million euro
including innovative products	204 million euro
Tax revenues, 2014	38,8 million euro
Public investment (2007-2014)	31,7 million euro
Private investment (2007-2014)	289,1 million euro

Kazan silicone cluster: development trends

Silicone products for special purposes

- damping silicone composition
- metilvinildihlorsilan and methylphenyldichlorosilane
- vinyltrichlorosilane
- dimetilmetilfenil-silicone rubbers
- metilvinilsiklotetrasiloksan or vinyl charge
- catalysts based on platinum complex
- electrical insulating and heat-resistant varnishes

Processing basic silicones

- silicone rubber materials for the electrical industry, mechanical engineering and chemical industry
- silicone rubber products, household
- silicone medical products
- silicone emulsions for various purposes
- solid defoamers for manufacturers SMS
- lubricants, transformer oils
- silicone stabilizers for flexible polyurethane foam manufacturers

KIP Master: residents





KIP Master: results



Number of tenants	248
Number of jobs	5 056
Volume of gross output, 2014	560,4 million euro
Tax revenues, 2014	55,4 million euro
Total investment	65,3 million euro



Industrial park: Kamskiye Polyany



Industrial Park Kamskie Polyany - a complex of modern, cost-effective packaging materials, raw materials for the textile industry, construction, agriculture and automotive industries production.

Date of creation: – 2009- 2010

Total area: 250 hectares

The area of industrial and warehouse: 4 896 sq.m.

Stretch film

- ***70 000 tons per year
(increase in 2015)***

Multifilament yarn

- ***3 000 tons per year***



The development of industrial sites



Industrial park «Chelny»

category - green-field

Area: 100 hectares

The area of production and warehouse space: 580 000 sq.m.

Estimated number of residents: 110

Existing residents: Prototyping and implementation of domestic robotics center, «Asia Lomazh Company» (production of alcohol), «MetaPro» (metal fabrication)



Industrial park «Razvitie»

Area: 25 hectares

The area of production and warehouse space: 30-35 000 sq.m.

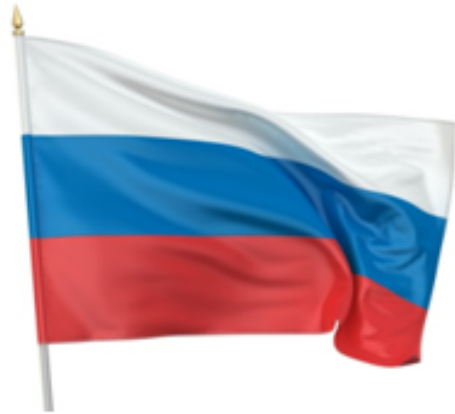
Estimated number of residents: 30

Resident receives: shaped land, engineering and transport infrastructure, the administrative center with a wide range of business services, professional management company, tax preferences

We are looking for cooperation



*Association «Noncommercial partnership
«Kama Innovative Territorial Production Cluster»*



Thanks for your attention!