

KAMA INNOVATION
REGIONAL INDUSTRIAL
CLUSTER "INNOKAM"

2017



®

INNOKAM



KAMA CLUSTER – INNOKAM



Located in one of the developed territories of Russia including: city of Naberezhnye Chelny, Nizhnekamsky, Elabuzhsky, Mendelevsky, Zainsky, Tukaevsky districts



One of the **11** cluster members of the priority project of the Ministry of Economic Development of Russian Federation "Development of innovative clusters – world-class leaders of investment attractiveness"



About **300** member organizations



More than **110 000** employees



The volume of shipped goods by cluster participant organizations - more than **\$ 10** billion



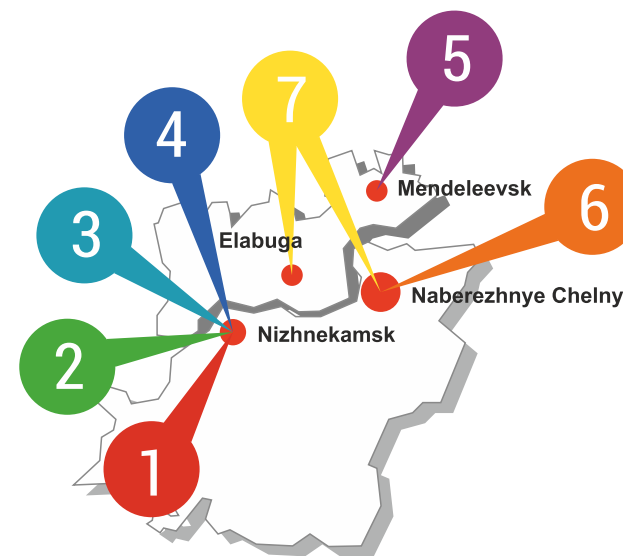
Output per worker of cluster organizations – more than **\$ 90** thousand per year



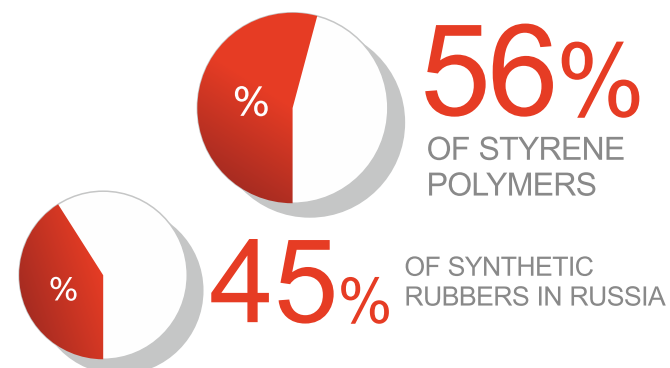
The volume of investments in the development of the cluster - **\$ 1.9** billion



LARGEST ENTERPRISES – CLUSTER PARTICIPANTS



PRODUCED WITHIN THE CLUSTER TERRITORY:



PJSC
"NIZHNEKAMSKNEFTEKHIM"



TATNEFT



TANECO



sollers



"TAIF-NK"



KAMAZ

CLUSTER PARTICIPANTS

INDUSTRIAL ENTERPRISES



CJSC "TATPROF"
 LLC RPU "Rostar"
 OJSC "RIAT"
 LLC PU "Nachalo"
 LLC "New Casting Technologies"
 LLC "Mefro wheels Russia Plant Zainsk"
 LLC "Korib"
 CJSC Kama Plant "Avto-Agregat"
 LLC "Magnolia"
 LLC "Kama Crystal Technology"
 OJSC "Chemical Plant of L. Y. Karpov"
 LLC "Tatneft-Presscomposit"
 LLC "KAMATEK"
 LLC "Khiton-plast 2"
 LLC "P-D Tatneft-Alabuga Fiberglass"
 LLC RPF "Universal Cardan Detail"
 LLC "Auto Holding Shturman KREDO+"
 LLC "RITSKY"
 LLC "I-PLAST"
 LLC "Kamsky Plant of polymer materials"
 CJSC "Proton"
 CJSC "ASTEIS"
 LLC "Grand-NC"
 JSC "INTERSKOL-ALABUGA"
 LLC "Polymer materials Plant "BAKELIT"
 LLC "RariTEK"
 LLC "Oleokam"
 LLC "TIS"
 LLC "Zaineftepererabotka"
 LLC "Automaster"
 OJSC "Naberezhnye Chelny Crane Factory"

EDUCATION, SCIENCE, INNOVATIONS



Academy of Sciences of the Republic of Tatarstan
 Kazan Scientific Center" of the Russian Academy of Sciences
 Kazan (Privolzhsky) Federal University
 Kazan National Research Technological University
 Kazan National Research Technical University named after A.N. Tupolev
 Kazan State Power Engineering University
 Regional Institute of Advanced Technology and Business
 Tatarstan Center of Scientific and Technical Information
 LLC "KER-Engineering"
 OJSC "Center of Prototyping and Implementation of the national robotics"
 OJSC "Regional Chemical Engineering Center"
 LLC "Eidos-Medicine"
 LLC "Eidos-Robotics"
 LLC "Lean Vector"
 LLC "Resource Center – ALABUGA"
 LLC ANO "Institute of Systemtic Developmet"
 "INTELLOS"
 LLC "Laboratory of management systems and integrated information technologies"



GOVERNMENTAL AND COORDINATING ENTITIES



Authorized body of cluster development – Ministry of Economy of the Republic of Tatarstan
 Special authority of the cluster – Association"Non-Profit partnership "Kama Innovation Regional Production Cluster"
 Administrations of Nizhnekamsky, Elabuzhsky, Mendeleevsky, Zainsky, Tukaevsky districts and Naberezhnye Chelny Urban district
 Ministries and bodies of the Republic of Tatarstan
 OJSC "Svyazinvestneftekhim"
 OJSC "Tatneftekhiminvest- Holding"

OJSC "Special Economic Zone of Industrial and Production Type"Alabuga"
 Kama Industrial Park "Master"
 "Technopark in high technologies IT-park" in the city of Naberezhnye Chelny
 Industrial Park "Kamskiye Polyany"
 Industrial Park "Razvitiye"
 Industrial Park "Chelny"
 "Technopark Prikamya"
 Research and Production Non-Profit Company ANO "Kama center of cluster development"
 LTD "Technology Transfer Centre"
 Innovative Regional Projects Fund (TIDA)
 LLC "KamEnergoRemont"
 Centre of Energy Saving Technologies of the Republic of Tatarstan under the Cabinet of Ministers of the Republic of Tatarstan
 "Transservice – LTD"
 State Regional Standardization, Metrology and Testing Center in the Republic of Tatarstan
 Machine-engineering cluster of the Republic of Tatarstan

STRATEGIC CLUSTER DEVELOPMENT DOCUMENTS

STRATEGY OF CLUSTER DEVELOPMENT

THE GOAL IS TO DEVELOP HIGH-TECH INDUSTRIES WITH HIGH ADDED VALUE, COOPERATION IN RESEARCH AND IMPLEMENTATION OF NEW TECHNOLOGIES.

4 STRATEGIC INITIATIVES:

- ▶ Ensure global technological leadership;
- ▶ Achieve world level of development of technological entrepreneurship;
- ▶ The formation of a system for world class investments attraction;
- ▶ The creation of a competence centre for "green" technologies of the world level.

5 PRIORITY AREAS:

- ▶ Accelerated expansion of exports and international cooperation, support of fast-growing high-tech small and medium-sized companies;
- ▶ Contribution to the modernization and scaling activities of anchor companies of the cluster;
- ▶ The development of the system of training and advanced training tailored to the needs of the cluster;
- ▶ Improvement of the quality of life and development of infrastructure;
- ▶ Development of a cluster management system.

THE CONCEPT OF THE CREATION OF TERRITORIAL INNOVATION AND PRODUCTION CENTER "INNOKAM"

IS APPROVED BY THE DECREE OF THE GOVERNMENT OF RUSSIAN FEDERATION DATED 17.06.2016 UNDER NO. 1257-R

TARGET - THE CREATION OF THE LEADING RUSSIAN INNOVATIVE PRODUCTION CENTER INNOKAM THROUGH THE DEVELOPMENT OF INDUSTRIAL AND HIGH-TECH CLUSTERS AND EFFECTIVE TRANSFORMATION OF ACCUMULATED INDUSTRIAL AND TECHNOLOGICAL POTENTIAL INTO HIGH QUALITY OF LIFE OF THE POPULATION.

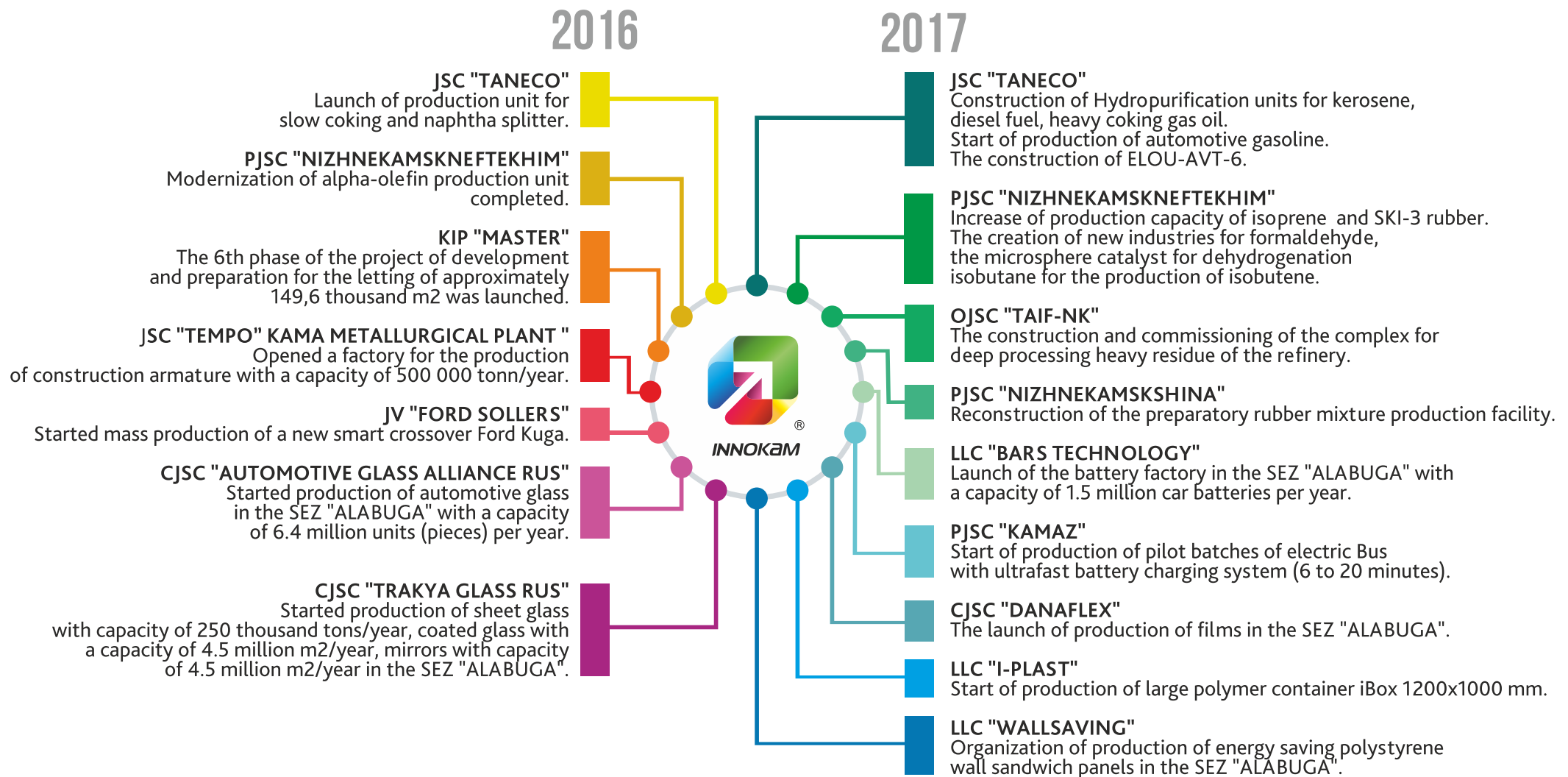
CONCEPT COVERS:

- ▶ Infrastructure and agglomeration;
- ▶ Advanced industry;
- ▶ Science and innovation;
- ▶ Ecology and culture;
- ▶ Institutional environment.

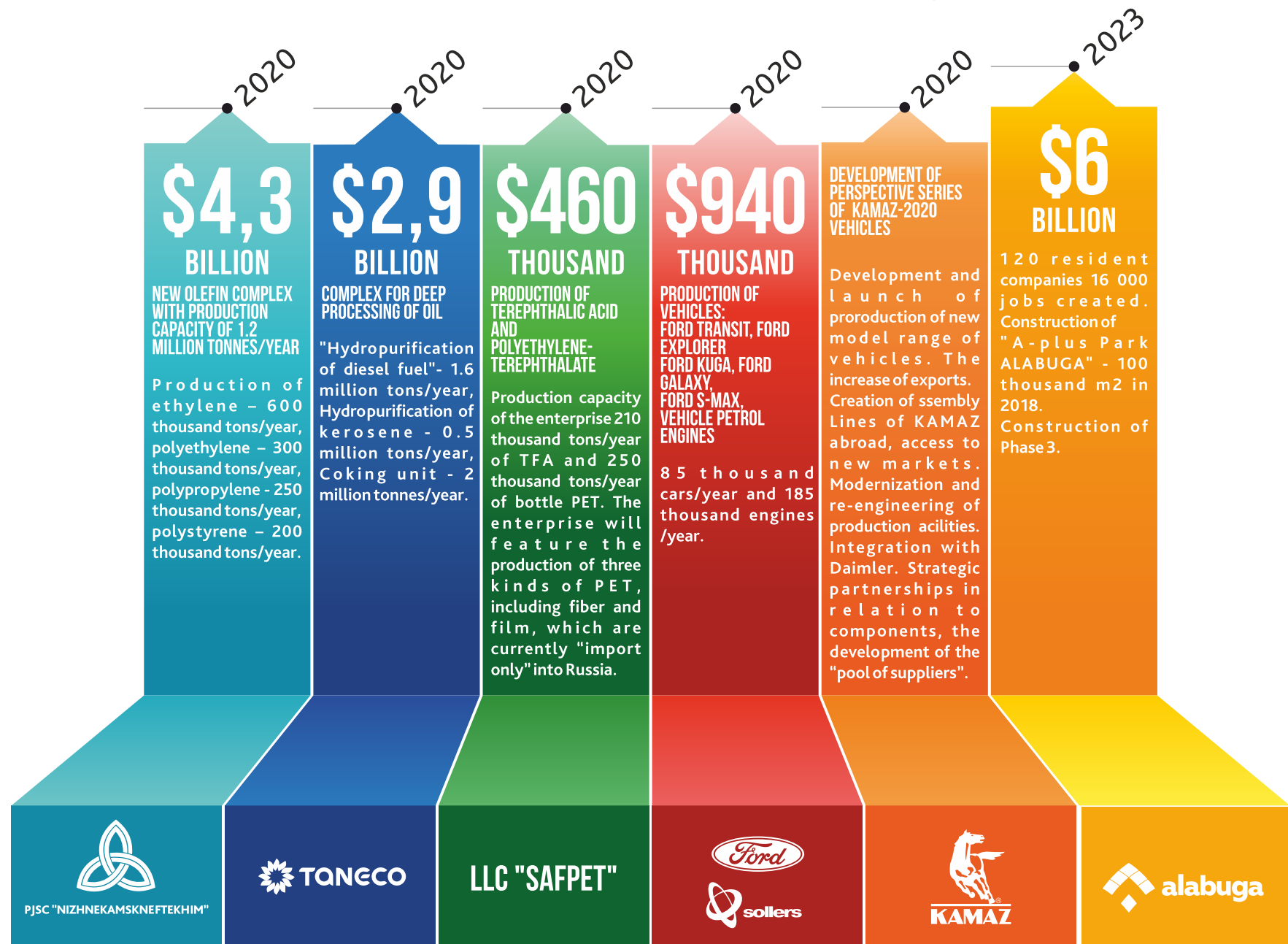
The Concept includes:

79 INFRASTRUCTURE AND INVESTMENT PROJECTS PLANNED FOR IMPLEMENTATION WITHIN THE BOUNDARIES OF THE KAMA AGGLOMERATION.

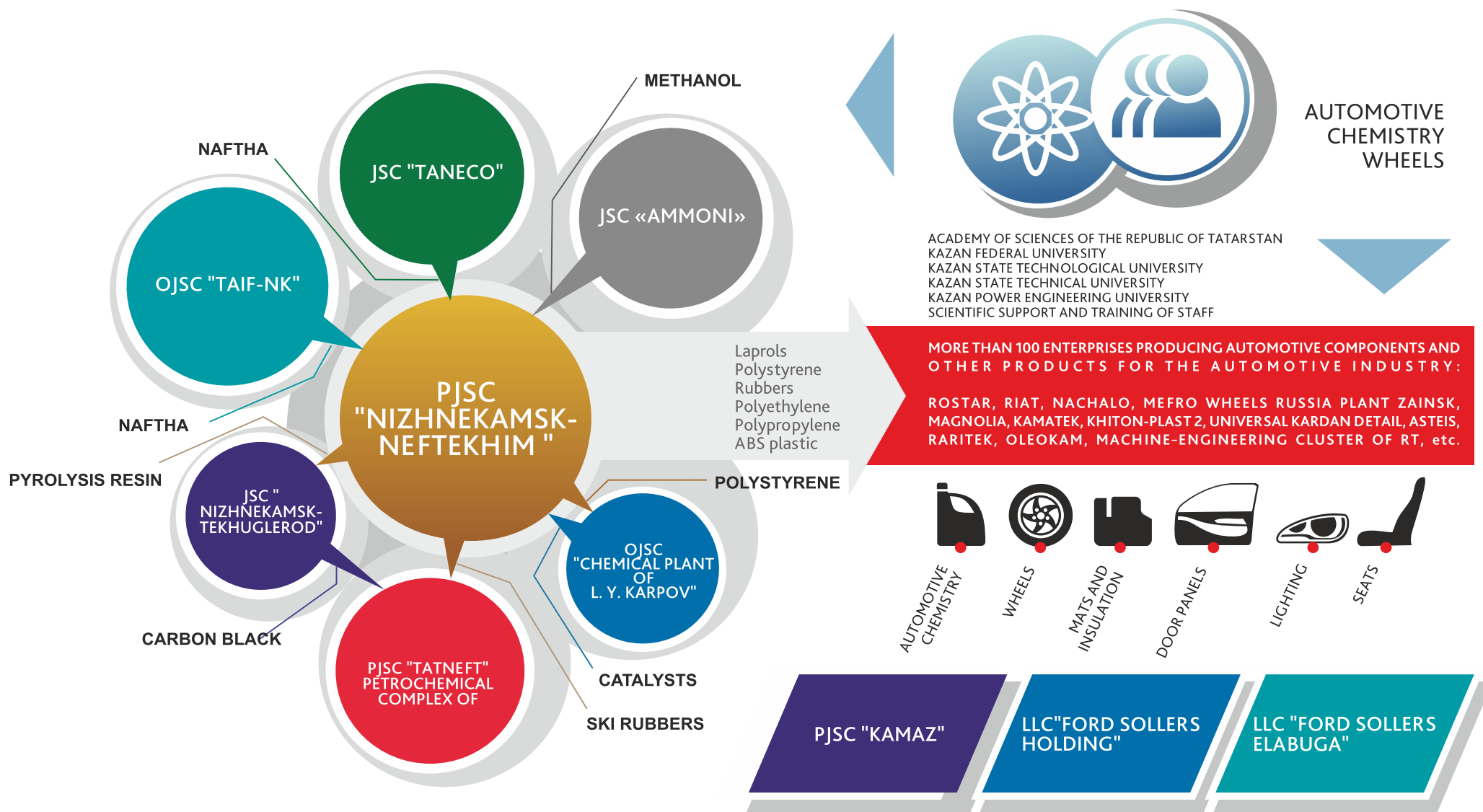
CLUSTER INVESTMENT PROJECTS



LARGEST CLUSTER INVESTMENT PROJECTS



COOPERATION LINKS OF KAMA CLUSTER



INTERNATIONAL BRANDS LOCATED WITH IN THE CLUSTER



AUTOMOTIVE



EPOXY POLYMER
COATINGS



INDUSTRIAL GASES



BALL VALVES
FOR PIPELINES



TRUCKS



THE FORGING PLANT
OF SKD PARTS
FOR PASSENGER CARS



MANUFACTURER OF
TRACTORS AND EQUIPMENT



BRAZILIAN BUS CONCERN



MEFRO WHEELS
MANUFACTURER OF STEEL
CAR WHEELS



TRUCKS



MANUFACTURER OF WOOD
SLABS - MDF/HDF



MANUFACTURER OF
VEHICLE LOCKS



MANUFACTURER OF TRUCK
TRANSMISSIONS



PREISS-DAIMLER GROUP
FIBERGLASS PLANT



MANUFACTURER OF
AUTOMOTIVE COMPONENTS

CLUSTER PROJECTS

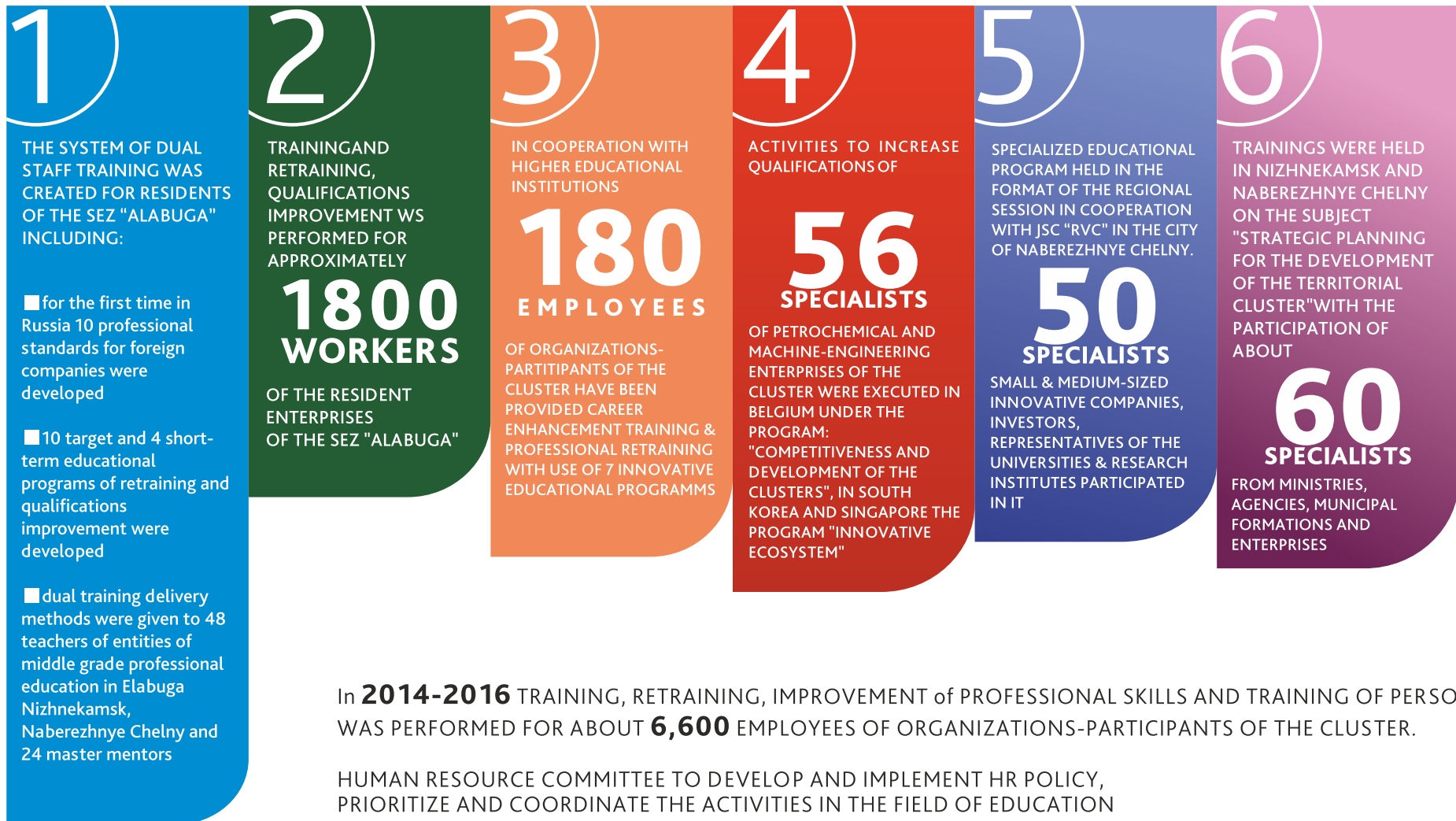
INNOVATIVE

1	Range of vehicles for passenger transportation powered by electricity "KAMAZ", "ROSTAR", "BARK"	Target - the creation and organization of production of buses of large and small classes, in accordance with perspective international requirements for ecology, safety, energy and resource saving.
2	Creation of a System of garbage collection "NOWASTE" using modular containers and garbage trucks "KORA", "AVTOSTAR", "KVANTOR", "OMNIKOMM REGION", "KAMAZ"	Target - design and development of ecological system of waste collection on the basis of universal recessed modular containers made of fiberglass composite and garbage trucks.
3	The development of new commercial types of polymer products and technologies to improve monomer production efficiency "NIZHNEKAMSKNEFTEKHIM", KAZAN STATE TECHNOLOGICAL UNIVERSITY	Target - to meet the needs of the world and Russian tire companies in terms of functionalised ROSC (import substitution).
4	Creation of a robotic complex of the third generation "EIDOS", "KAMAZ", KAZAN TECHNICAL UNIVERSITY	Target - create a unique and unparalleled robotic complex of technical vision of the third generation for the needs of the automotive industry.
5	Development of a modern system of a long distance relay freight with the use of demountable bodies "Kamatainer" "INTELLOS", "KAMAZ", KAZAN TECHNICAL UNIVERSITY	Target – pilot development and implementation in the cluster and the Russian Federation of the system of relay-based intercity transportation to cover the needs of small and medium-sized enterprises with the aim to increase the transit capacity of the cluster.

INFRASTRUCTURAL

1	Creation of clustered cooperative portal of orders and procurement in the framework of the Concept of "Innokam" Center, approved by the Decree of the Government of RF No. 1257-R as of 17.0 THE ASSOCIATION "INNOKAM", MACHINE-ENGINEERING CLUSTER	The purpose of the portal: - Ensuring direct communications between large customers and producers of goods and services; - Selection of suppliers; - Access to difficult technical orders; - Cooperation between market participants during the manufacturing of technical orders; - Joint procurement.
2	Creation of an Engineering centre in the field of creating flexible manufacturing systems (FMS) machining and prototyping KAZAN FEDERAL UNIVERSITY, "KAMAZ", MACHINE-BUILDING ENTERPRISES	The goal is to create a competitive centre carrying out fundamental applied research and academic work in the field of the creation of the FMS of machine tools.
3	Development of industrial sites in the city of Naberezhnye Chelny and Kamskie Polyany settlement THE MINISTRY OF ECONOMY OF RT, LOCAL GOVERNMENT, "KAMAZ", "NIZHNEKAMSKNEFTEKHIM"	The goal is the formation of infrastructure of support of small and medium sized enterprises, creating conditions for the development of small and medium business.
4	Development of the infrastructure of the SEZ "ALABUGA" THE FEDERAL AND REPUBLICAN AUTHORITIES	The goal is to provide the residents with all necessary engineering, transport and social infrastructure.
5	Robotics Prototyping and Implementation Center development in the city of Naberezhnye Chelny	The goal is the creation of engineering and production site, specializing in developing technologies, manufacturing of components and nodes with the subsequent implementation into physical production.

HUMAN RESOURCES



In **2014-2016** TRAINING, RETRAINING, IMPROVEMENT OF PROFESSIONAL SKILLS AND TRAINING OF PERSONNEL WAS PERFORMED FOR ABOUT **6,600** EMPLOYEES OF ORGANIZATIONS-PARTICIPANTS OF THE CLUSTER.

HUMAN RESOURCE COMMITTEE TO DEVELOP AND IMPLEMENT HR POLICY, PRIORITIZE AND COORDINATE THE ACTIVITIES IN THE FIELD OF EDUCATION AND TRAINING WITH THE PARTICIPATION OF REPRESENTATIVES OF MINISTRIES, DEPARTMENTS OF THE REPUBLIC OF TATARSTAN AND THE COMPANIES OF THE CLUSTER WAS CREATED.

8 MEETINGS WERE HELD, INCLUDING 4 MEETINGS OUTSIDE THE CLUSTER.



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