

A silhouette of an oil pumpjack (jack-o'-lantern) against a clear blue sky with a hint of sunset at the horizon. The pumpjack is the central focus, with its long walking beam and counterweights clearly visible. The background is a gradient of blue, transitioning from a lighter hue near the horizon to a deeper blue at the top. The foreground is dark, suggesting a field or wellhead.

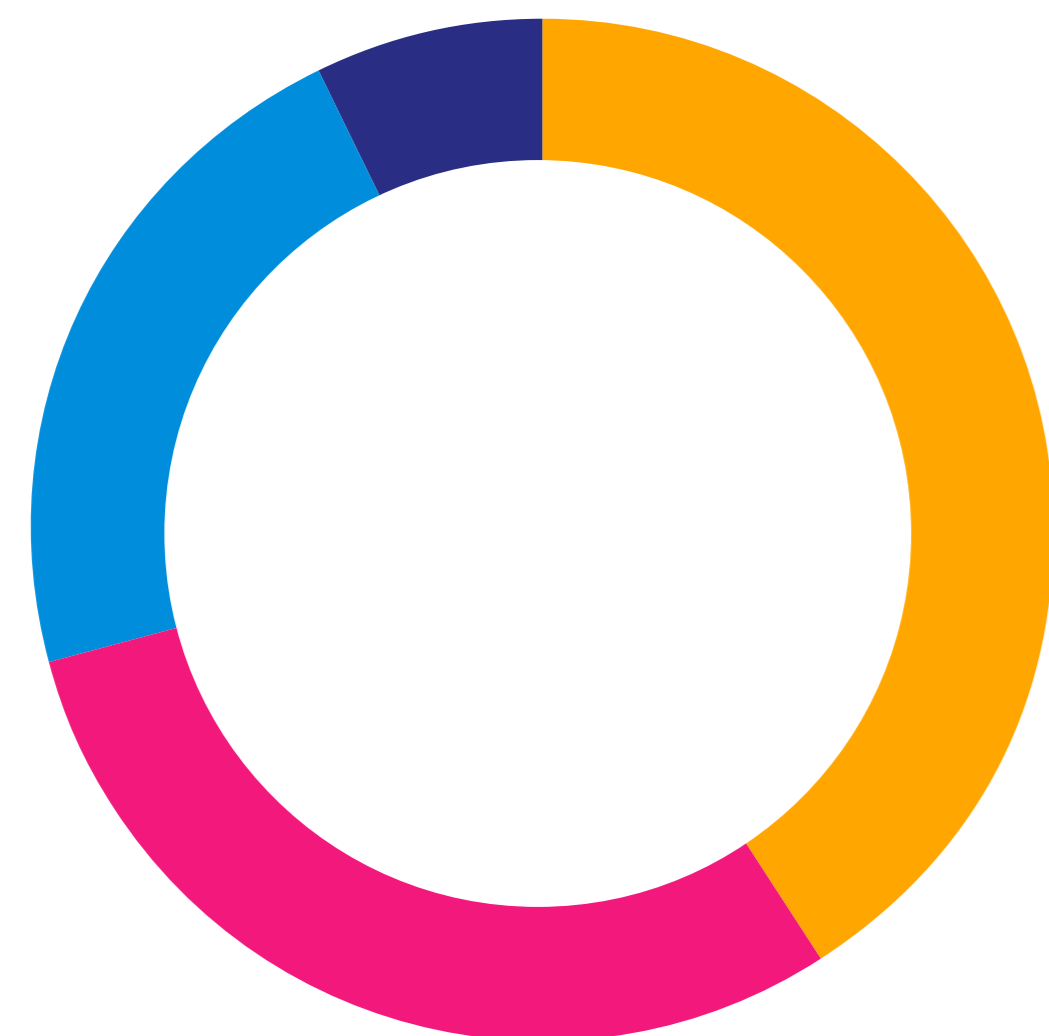
OIL AND GAS COMPLEX

BASE SECTOR OF THE INDUSTRY OF THE REPUBLIC OF TATARSTAN

GROSS PRODUCTION OF OIL AND GAS CHEMICAL COMPLEX

IN 2017, THE PETROCHEMICAL COMPLEX OF TATARSTAN SHIPPED PRODUCTS FOR 1.3 TRILLION RUBLES, WHICH IS 57.7% OF THE REPUBLICAN VOLUME

THE STRUCTURE OF THE COMPLEX



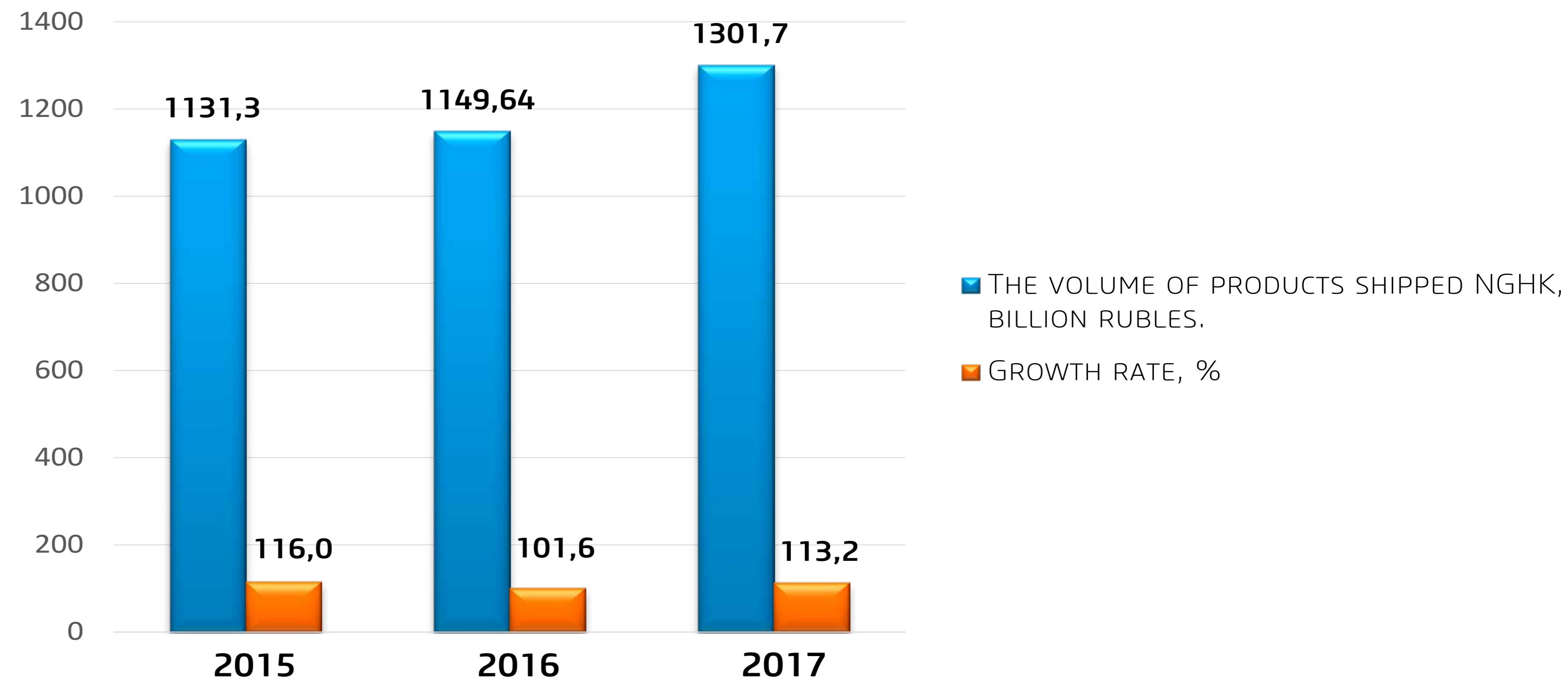
41% EXTRACTION OF CRUDE OIL, GAS AND THE PROVISION OF SERVICES IN THE FIELD OF MINING

30% PRODUCTION OF PETROLEUM PRODUCTS

22% CHEMICAL PRODUCTION, INCLUDING DRUGS

7% MANUFACTURE OF RUBBER AND PLASTIC PRODUCTS

VOLUME OF PRODUCTS SHIPPED NGHK





OIL PRODUCTION

OIL PRODUCTION
IN THE REPUBLIC OF TATARSTAN

35,7 million tons

(100,9% BY 2016)

INCLUDING HEAVY OIL

1620 thousand tons

(192% COMPARED TO 2016)

IN 2019, THE VOLUME OF EXTRA-VISCOUS
OIL PRODUCTION WILL REACH

2,4 million tons/year

OIL AREAS OCCUPY

25 %

TATARSTAN SQUARES

PROVED OIL RESERVES

MORE THAN **1** billion tons

ULTRA-VISCOUS OIL - EHV

7 billion tons

(450 DEPOSITS)

OIL PRODUCTION CARRIED OUT

29 oil companies

ПАО «ТАТНЕФТЬ»



Top 5 among Russian companies

32 Place in the world

PAO PRODUCED "TATNEFT" IN 2017

28,9 million tons

A night-time photograph of an oil refinery. The scene is dominated by a complex network of blue-painted steel structures, including tall distillation columns, distillation trays, and a dense web of pipes and walkways. Numerous bright lights are scattered throughout the facility, illuminating the structures and creating a stark contrast against the dark night sky. A prominent vertical stack on the left side has a bright orange glow at its top, likely from a flare. The overall atmosphere is industrial and brightly lit.

OIL REFINING



JSC "TANECO"

THE PRODUCT RANGE INCLUDES 20 TYPES OF HIGH-QUALITY PRODUCTS, THE MAIN OF WHICH ARE: EURO-5 DIESEL FUEL; AVIATION KEROSENE OF THE RT, TS-1, JET A-1 GRADES, BASE OILS OF II AND III GROUPS; TECHNICAL HYDROGEN; NGL; PETROLEUM COKE AND OTHERS

IN 2017, REFINED 7,847 THOUSAND TONS OF OIL

PRODUCED BY:

GAS STABLE GAS - **1607.34 THOUSAND TONS**

BASE OILS - **148.16 THOUSAND TONS**

DIESEL FUEL - **1407.28 THOUSAND TONS**

MIDDLE DISTILLATE - **3298.92 THOUSAND TONS**



IN 2017, REVISED:

16.3 MILLION TONS OF OIL

(45.7% OF TOTAL OIL PRODUCTION)

ENTERPRISES SHIPPED PRODUCTS

FOR 386.5 BILLION RUBLES.

PRODUCED BY:

STRAIGHT-RUN GASOLINE - **3141.4 THOUSAND TONS**

AUTOMOBILE GASOLINE - **561.6 THOUSAND TONS**

DIESEL FUEL - **3,741.9 THOUSAND TONS**

FUEL OIL - **2109.6 THOUSAND TONS**



OJSC "TAIF-NK"

THE PRODUCT RANGE INCLUDES MORE THAN 20 ITEMS, THE MAIN OF WHICH ARE: EURO-5 DIESEL FUEL (SUMMER, WINTER), EURO-5 GASOLINE (REGULAR-92, PREMIUM EURO-95), FUEL OIL, STRAIGHT-RUN GASOLINE AND BGS, VACUUM GAS OIL, KEROSENE, JET FUEL, BITUMEN, SULFUR, ETC.

IN 2017, 7 381.2 THOUSAND TONS OF OIL WERE PROCESSED

PRODUCED BY:

STRAIGHT-RUN GASOLINE - **1534 THOUSAND TONS**

GASOLINE AUTOMOBILE - **479 THOUSAND TONS**

MIDDLE DISTILLATE - **2642 THOUSAND TONS**

FUEL OIL - **1995 THOUSAND TONS**



CHEMICAL INDUSTRY

THE REPUBLIC OF TATARSTAN IS THE CENTER OF MAXIMUM COMPETENCE IN THE FIELD OF CHEMICAL PRODUCTION AND PLASTICS PROCESSING.

RUSSIAN CHEMICAL PRODUCTS PRODUCED IN TATARSTAN – **12%**

RESULTS OF 2017:

VOLUME OF PRODUCTS SHIPPED TO THE CHEMICAL AND PETROCHEMICAL INDUSTRIES – **377.3 BILLION RUBLES.**

PRODUCED BY:

PLASTICS – **1668 THOUSAND TONS, INCLUDING:** SYNTHETIC RUBBER – **713 THOUSAND TONS**

POLYETHYLENE – **937 THOUSAND TONS**

POLYPROPYLENE – **212 THOUSAND TONS**

CARBON BLACK – **134 THOUSAND TONS**

TIRE PRODUCTS – **13 MILLION PCS.**

SYNTHETIC DETERGENTS – **217.3 THOUSAND TONS**

RECYCLED:

BASE POLYMERS: – **479.5 THOUSAND TONS**

UREA – **736 THOUSAND TONS**

AMMONIUM NITRATE – **321 THOUSAND TONS**

PJSC "NIZHNEKAMSKNEFTEKHIM". THE LARGEST PRODUCER OF SYNTHETIC RUBBER AND RAW MATERIALS FOR ITS SYNTHESIS IN RUSSIA, **THE THIRD LARGEST PRODUCER OF HALOBUTYL RUBBERS IN RUSSIA AND THE FIRST IN THE WORLD.** INCLUDED IN THE **TOP 10** GLOBAL MANUFACTURERS OF SYNTHETIC RUBBER.

PJSC "KAZANORGSINTEZ". THE LARGEST RUSSIAN PRODUCER OF POLYMERS AND COPOLYMERS OF ETHYLENE, POLYCARBONATE, PHENOL, BISPHENOL A, ACETONE, POLYETHYLENE PIPES, ETHANOLAMINES, ETHYLENE GLYCOLS AND OTHER PRODUCTS OF ORGANIC SYNTHESIS.

AT THE END OF 2017, IT IS AMONG THE **TOP 100** LARGEST COMPANIES IN RUSSIA BY MARKET CAPITALIZATION. **PRODUCES 170 TYPES OF CHEMICAL PRODUCTS**

TIRE COMPLEX PJSC "TATNEFT". THE TIRE COMPLEX "TATNEFT" INCLUDES HIGH-TECH ENTERPRISES:

PJSC "NIZHNEKAMSKSHINA"

LLC "NIZHNEKAMSK TRUCK TIRE PLANT"

LLC "NIZHNEKAMSK SSC TIRE FACTORY"

JSC "NIZHNEKAMSKTEHGLEROD"

PRODUCING MORE THAN 370 TIRE TRADEMARKS AND 14 TABLES OF TECHNICAL CARBON.



LEADING ENTERPRISES

MAJOR ENTERPRISES



НИЖНЕКАМСКНЕФТЕХИМ

IN 2017, THE VOLUME OF PRODUCTION -
MORE THAN 1.8 MILLION TONS, INCLUDING:
RUBBERS - 702.1 THOUSAND TONS
PLASTICS - 697.9 THOUSAND TONS



28 939 THOUSAND TONS OF OIL PRODUCED
EXTRA VISCOUS OIL PRODUCTION AMOUNTED TO
1620 THOUSAND TONS
TIRE CENTER PJSC "TATNEFT"
13 MILLION TIRES;
19% SHARE OF THE RUSSIAN MARKET.

АММОНИЙ
акционерное общество

PRODUCED BY:
AMMONIUM NITRATE 321 THOUSAND
TONS
CARBAMIDE - 736 THOUSAND TONS
AMMONIA - 569 THOUSAND TONS
METHANOL - 234 THOUSAND TONS



RECYCLED:
7847.9 THOUSAND TONS OF
OIL PRODUCTS
PRODUCED BY:
8199.4 THOUSAND TONS OF
PETROLEUM PRODUCTS



КАЗАНЬОРГСИНТЕЗ

MORE THAN 1 MILLION TONS OF PRODUCTS WERE PRODUCED,
INCLUDING 72.613 THOUSAND TONS OF POLYETHYLENE



7389.3 THOUSAND TONS OF OIL PROCESSED
THE INDUSTRIAL PRODUCTION INDEX WAS 96.7%



MORE THAN 1 MILLION TONS OF PRODUCTS
WERE PRODUCED.
THE INCREASE WAS 9% (243 THOUSAND TONS)

SMALL AND MEDIUM BUSINESSES

danaflex
СОЗДАВАЯ ОТНОШЕНИЯ

ТЕХСТРОЙ

innovative
SafPlast



**REALIZATION OF OIL
AND GAS PRODUCTS**

PRODUCT EXPORT STRUCTURE

IN THE COMMODITY STRUCTURE OF EXPORTS OF THE REPUBLIC OF TATARSTAN FOR 2017 DOMINATED:

MINERAL PRODUCTS - 74.5% OF THE TOTAL EXPORTS OF THE REPUBLIC;
CHEMICAL PRODUCTS, RUBBER - 15.8%.

PJSC "KAZANORGSINTEZ"

PRODUCTS WERE SHIPPED TO 31 COUNTRIES OF THE WORLD, CROATIA, ARMENIA BECAME NEW EXPORT MARKETS. DELIVERIES OF PRODUCTS TO GEORGIA RESUMED

MAIN TYPES OF EXPORT SUPPLIED GOODS (IN THE TOTAL VOLUME OF PRODUCTS SUPPLIED)

CRUDE OIL - **16 716.4 THOUSAND TONS** (45.9%)
OIL PRODUCTS - **9 179.9 THOUSAND TONS** (27.9%)
SYNTHETIC RUBBERS - **1,053.9 THOUSAND TONS** (8.1%)
TIRES - **169.5 THOUSAND PCS.** (1.3%)



A scientist with brown hair in a ponytail, wearing a white lab coat, is seen from behind working in a laboratory. The lab bench is cluttered with various pieces of glassware, including beakers, flasks, and bottles, some containing liquids. In the foreground, there are several small bottles in a red rack. The background shows a clean, modern laboratory environment with shelves and equipment.

**SCIENTIFIC AND
INNOVATIVE STRUCTURES**

CLUSTER DEVELOPMENT OF PETROCHEMICAL COMPLEX



KAMSKY INNOVATION TERRITORIAL PRODUCTION CLUSTER OF THE REPUBLIC OF TATARSTAN

THE LARGEST OF THE 25 INNOVATION TERRITORIAL CLUSTERS OF THE FEDERAL LEVEL.

KEY PARTICIPANTS: KAMAZ PJSC, PJSC "NIZHNEKAMSKNEFTEKHIM", JSC "TANECO", OAO TATNEFTEKHIMINVEST-HOLDING, SPECIAL ECONOMIC ZONE "ALABUGA", PETROCHEMICAL COMPLEX OF PJSC TATNEFT, FSBEI HE "KNITU", JSC "AMMONIUM", OJSC "TAIF-NK", JSC "CHEMICAL PLANT NAMED AFTER L.YA. KARPOV".



INTERREGIONAL INDUSTRIAL CLUSTER "COMPOSITES WITHOUT BORDERS"

THE CLUSTER WAS CREATED AT THE INITIATIVE OF THE UMATEX GROUP (ROSATOM), THE LARGEST PRODUCER OF COMPOSITE MATERIALS IN RUSSIA, TOGETHER WITH THE ASSOCIATION OF CLUSTERS AND TECHNOPARKS. FORMED ON THE TERRITORY OF THE REPUBLIC OF TATARSTAN, MOSCOW AND SARATOV REGIONS

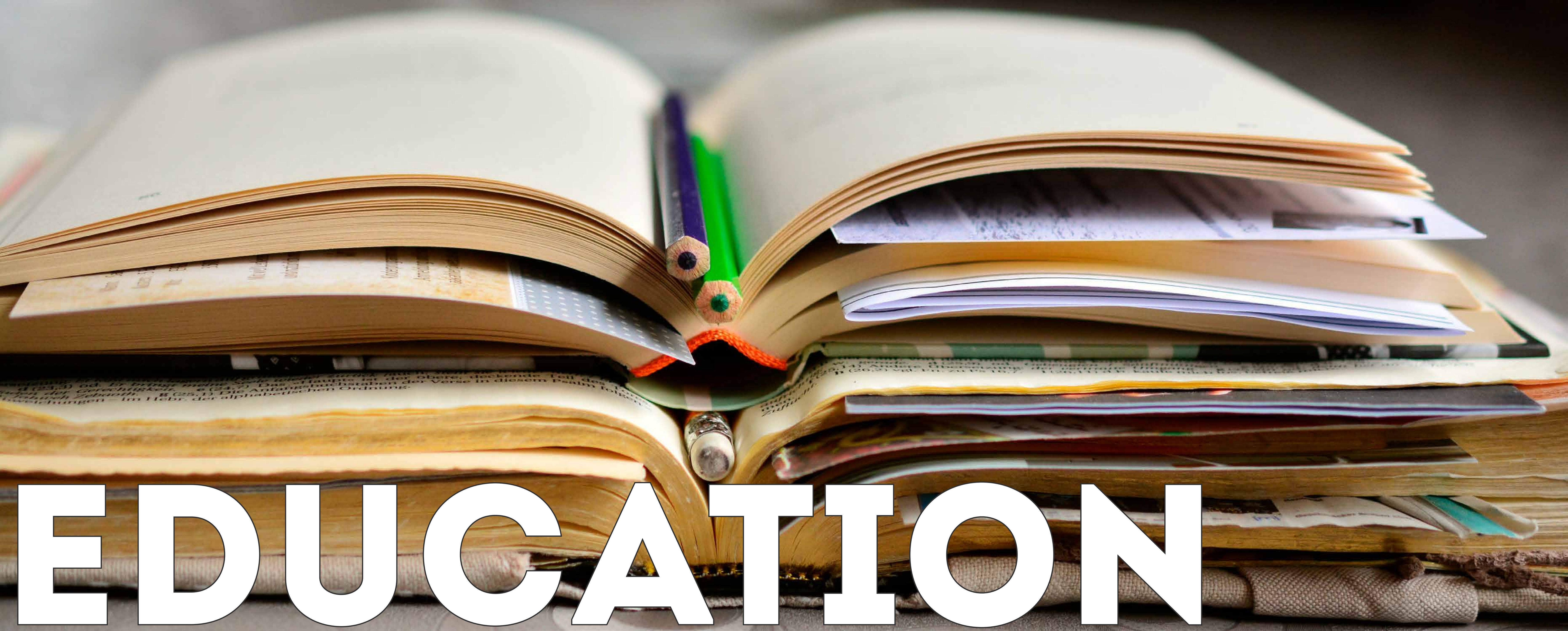
THE CLUSTER PARTICIPANTS ARE INDUSTRIAL ENTERPRISES OF THE COMPOSITE INDUSTRY, AS WELL AS THE ORGANIZATION OF THE TECHNOLOGICAL AND EDUCATIONAL INFRASTRUCTURE OF THE REPUBLIC OF TATARSTAN, THE MOSCOW AND SARATOV REGIONS, INCLUDING: SPECIAL ECONOMIC ZONE ALABUGA AND TECHNOPOLIS KHIMGRAD.



POLYMER CLUSTER OF AUTOMOTIVE COMPONENTS

THE CLUSTER WAS CREATED IN ORDER TO DEVELOP PRODUCTION FACILITIES FOR THE PROCESSING OF POLYMER RAW MATERIALS, MASTERING THE PRODUCTION OF NEW TYPES OF PRODUCTS FOR THE AUTOMOTIVE INDUSTRY WITH THE MAXIMUM USE OF THE SCIENTIFIC, ENGINEERING AND EDUCATIONAL POTENTIAL OF THE INNOVATION INFRASTRUCTURE OF THE REPUBLIC

KEY PARTICIPANTS: LLC "TATHIMPLAST", LLC "BETAR", OOO "TATNEFT-PRESSKOMPOZIT", LLC "SATURN", LLC "DIEV" FGBOU IN "KNRTU", JSC "REGIONAL ENGINEERING CENTER IN THE FIELD OF CHEMICAL TECHNOLOGY."



EDUCATION

RESEARCH ACTIVITIES AND STAFFING IN THE PETROCHEMICAL COMPLEX



SCIENTIFIC EDUCATIONAL AND RESEARCH ACTIVITIES:

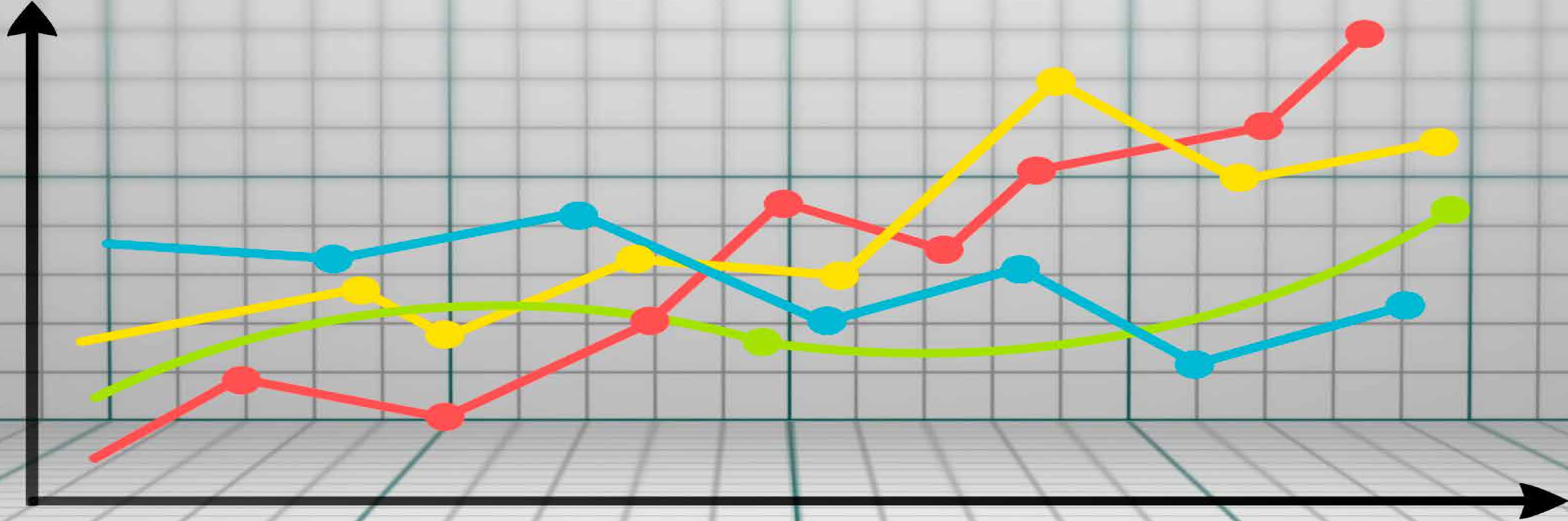
- KAZAN NATIONAL RESEARCH UNIVERSITY OF TECHNOLOGY
- KAZAN FEDERAL UNIVERSITY
- KAZAN STATE ENERGY UNIVERSITY
- KAZAN UNIVERSITY OF ARCHITECTURE AND CIVIL ENGINEERING

COORDINATING AGENCIES:

- ACADEMY OF SCIENCES OF THE REPUBLIC OF TATARSTAN
- JSC "HOLDING TATNEFTEKHIMINVEST"

RESEARCH AND PROJECT ACTIVITIES:

- IOPC NAMED AFTER ARBUZOV KSC RAS
- JSC "VNIIUS"
- RCI KHIMTEKH
- TATNIPINEFT
- SOYUZHIMPROEKT
- LLC NTC KAMA



INVESTMENT IN OIL AND GAS COMPLEX

RESEARCH ACTIVITIES AND STAFFING IN THE PETROCHEMICAL COMPLEX

IN THE REPUBLIC OF TATARSTAN, THERE ARE **31 ACCREDITED INDUSTRIAL SITES AT THE MUNICIPAL LEVEL AND 6 ACCREDITED INDUSTRIAL (INDUSTRIAL) PARKS** IN THE CITIES OF KAZAN, NABEREZHNYE CHELNY, LENINOGORSK AND IN THE ZELENODOLSK DISTRICT.

TECHNOPOLIS "HIMGRAD" IS THE FIRST CHEMICAL INDUSTRIAL PARK IN RUSSIA, WHICH HAS BEEN CERTIFIED BY THE ASSOCIATION OF INDUSTRIAL PARKS OF RUSSIA.

THE LARGEST SITES:

- SPECIAL ECONOMIC ZONE "ALABUGA"
- TECHNOPOLIS "HIMGRAD"
- TECHNOPARK "IDEA"
- IPT "IDEA-SOUTH-EAST"
- INDUSTRIALNYJ PARK "CHISTOPOL"
- INDUSTRIAL PARK "KAMSKIE POLYANY"
- INDUSTRIAL PARK M-7
- INDUSTRIAL PARK "CHELNY"

THE CONSTRUCTION OF THE INDUSTRIAL PARK "ALABUGA-2. PETROCHEMISTRY"

TECHNOPOLIS "HIMGRAD":

- THE LARGEST PLATFORM FOR BUSINESSES IN THE FIELD OF CHEMISTRY AND POLYMER PROCESSING
- AREA 131 HECTARES.
- DATE CREATED: SEPTEMBER 2006
- NUMBER OF RESIDENTS - 282.
- THE VOLUME OF PRODUCTION AT THE END OF 2017 MORE THAN 29 BILLION RUBLES.



The background of the image shows a large industrial facility, likely an oil and gas chemical complex, silhouetted against a bright orange and yellow sunset sky. The sun is low on the horizon, creating a strong glow and casting long shadows. The complex features various structures, including cranes, towers, and piping, all rendered in dark silhouette. The foreground is a dark, calm body of water, reflecting the light from the sky.

INVEST IN TATARSTAN!

**INVEST IN THE OIL AND GAS
CHEMICAL COMPLEX!**



TATARSTAN PETROCHEMICAL FORUM

THE LARGEST INTERNATIONAL EVENT OF THE OIL AND GAS INDUSTRY IN RUSSIA. THE FORUM BRINGS TOGETHER FOUR INDUSTRY EXHIBITIONS AND PROVIDES FOR CONFERENCES, SEMINARS, ROUND TABLES ON CURRENT ISSUES IN THE FIELD OF OIL PRODUCTION, OIL REFINING, PETROCHEMICAL AND RELATED INDUSTRIES.

IN 2018, **170 companies from 27 regions of Russia and 6 countries** TOOK PART IN THE FORUM'S EXPOSITION.

ORGANIZERS:

GOVERNMENT OF THE REPUBLIC OF TATARSTAN, JSC KAZAN FAIR.

DATE AND PLACE:

THE FIRST DECADE OF SEPTEMBER, KAZAN, EC "KAZANSKAYA YARMARKA".