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presentation



GROUP



Management of EPC and EPCM projects

in power engineering, machine building, oil and gas industry

About company

KR Group is an integrated corporate team of partner companies which join their resources into an engineering complex

- **Engineering**
- **Design**
- **Construction, installation and commissioning**
- **Maintenance and operation**
- **Repair, service**
- **Heat and power generation**
- **Equipment manufacturing**
- **Selection and supply of equipment**



3 project
Institute's



3,900
employees



700
implemented
projects for
the last 3 years



400 units of
special machinery
and mechanisms



50 000 sq.m.
of production
rooms



10 billions RUB
(135 millions USD)
Turnover of KR Group
companies for 2023

Personnel	Total number	Work at the Company more than 5 years	With Higher education
Total number	3900	1408	1621
Managers	386	245	332
Production personnel, including:	2938	955	1049
Managers of Construction	31	13	31
Designers	427	139	422
Site managers	191	84	176
Foremen	118	54	79
Workers	2170	665	341
Others	576	208	240

GEOGRAPHY OF ACTIVITY

>10 near and far-
abroad countries

>30 regions of Russia

SINCE **1960**

KR Group

works

in Russia,
in the countries of Asia,
in Middle East



KEY DIRECTIONS

- 01** Project management (EPC)
- 02** Engineering and design
- 03** Construction, installation, repair, service
Equipment manufacturing
- 04** Heat and power generation

STRUCTURE of KR Group

PROJECT MANAGEMENT (EPC)

- MC IED-Holding LLC

ENGINEERING AND DESIGN

- TatNIPenergoprom
- IED- INEL
- TatBelEnergoproject
- EC EnergoDevelopment

CONSTRUCTION, INSTALLATION, REPAIR, SERVICE

- IED- Promstroy
- IED – Montazh (Assembly)
- IED –KamEnergoRepair
- IED-Engineering
- M12 Systems

POWER AND HEAT SUPPLY

- IED-Generation
- Elabuga Heat Supply Company
- Zelenodolsk Heat Supply Company

EQUIPMENT MANUFACTURING

- RU-Engineering
- ServisMontazhIntegratsiya
- IED-Energy
- KamEnergoMash
- IED- EnergySaving

REPRESENTATION ABROAD

- Representative in the Hashemite Kingdom of Jordan
- Representation in the United Arab Emirates
- Branch office in Turkmenistan

MC IED-Holding

- Definition of the strategic guidelines for the development of KR GROUP
- Business diversification and development of the holding's
- organizational structure
- Innovation activities
- Conceptual design
- Fund raising for investment projects of the holding
- EPC Contractor

TatBelEnergoProject

- Integrated design of thermal power stations of any type and capacity, mini-CHP, industrial facilities
- Design of boiler plants, warehouses of petroleum products, production buildings, electrical substations, internal and external gas supply networks and the facilities
- Design of facilities and networks at refining plants, chemical industry and gas pipeline system
- Designer supervision for the total construction period



TatNIPlenergoprom

- Integrated design of thermal power plants of any type and capacity, mini-CHP, industrial facilities
- Design of thermal networks, central heat supply stations (CHSSs); Pumping stations; boiler stations (district, quarter, electric boilers)
- Design of power supply of industrial enterprises
- Development of electricity and heat supply schemes for industrial facilities, cities and settlements



IED-INEL

- Land use planning
- Design of non-stage works: schemes of external electricity supply to the consumer, scheme of power distribution, development of electrical grids
- Integrated design of 35-750 kV power plants
- Engineering research and surveys
- Research and development
- Designer supervision



EC EnergoRazvitie

- Examination and expert study of buildings, OHL and lifting devices
- Testing of electrical equipment
- Energy efficiency
- Metrology



IED-Promstroy

- Construction of industrial and civil buildings
- Construction site management
- Earthworks
- Foundation
- Erection of monolithic framework
- Installation of metal structures
- Erection of sandwich panels
- Roofing
- Façade finishing
- Improvement



IED-Montazh

- Installation of technological equipment and pipelines of refineries and petrochemicals
- Insulation work
- Manufacturing and installation of steel structures
- Work on external and internal engineering networks and communications



IED-Engineering

- Pre-project survey in power generation and industry
- Integrated automation of production (process control systems, I&C)
- Reconstruction and construction of substations up to 500kV
- Software and technology development
- Technical assistance during construction
- Start-up and operational tests of power equipment
- Comprehensive diagnostics of electrical equipment



KamEnergoRepair

- Installation, modernization, repair and maintenance of equipment of thermal power plants and stations, hydroelectric power plants, boilers, thermal networks, industrial equipment
- Repair, reconstruction, dynamic balancing of rotors up to 40 tons
- Overhaul of electric motors, transformers
- Overhaul of lifting mechanisms



M12 Systems

- Service, integration and modernization of:
- IT infrastructure
- Information systems
- High -layer automated monitoring systems
- Automated accounting systems for energy and channel-forming equipment
- Technical assistance in the wholesale electricity market
- Designing, implementing and supporting information security activities



IED-Generation

- Management of generating facilities, including stations of heat and electrical power systems
- Generation and distribution of steam and hot water (heat energy)
- Operation of hazardous production facilities
- Hydraulic setting up of heat networks
- Design, construction, reconstruction and repair of small energy facilities
- Maintenance and operation of boilers, power centers and other energy facilities
- Assembling, sales and installing of LED lights
- Production of pipes and shaped products in polymineral foam insulation
- Implementation of energy service contracts



KamEnergoMash

Manufacturing:

- Rotary and guides blading, disks, oil and labyrinth seals of turbines and compressors
- Diaphragms of steam turbines
- Rotor shafts, pumping wheels
- Retaining rings of generator rotors
- Pipeline details
- Metal structures
- Details and nodes as per Customer's drawings



IED-Energy

- Design and production of block-modular boiler plants, construction of power centers (cogeneration, trigeneration)
- Packaging gas piston and diesel generator plant



RU- Engineering

- Frequency Converters - RU-DRIVE VFD
- Reactive power statistic generators RU-DRIVE SVG
- Soft starter RU-DRIVE SMV
- I&C complex RU-DRIVE CCS
- Integration of industrial robots
- Engine test stands - RU-DRIVE ETS



ServiceMontazhIntegration

Siemens Official Partner

- Manufacture of low- and medium voltage shield equipment 0.4-6 kV
- Manufacture of main switchboards, low-voltage complete devices, low-voltage distribution devices, typical RU elements, switchgear and control gear, automation systems
- Engineering, automation and integration of electricity appliances in the industrial sector



Reference list of key projects

Heat power industry | Electrical energy industry | Housing and utility sector | Oil and gas and petrochemical industry | Other business

Heat power industry

KAZAN POWER PLANT-2

EPC project for turnkey construction of combined cycle plant 220 MW



Nizhnekamsk 220 MW Power Plant (Tatneft)

Modernization, supplies and installation of 220 MW
steam turbines

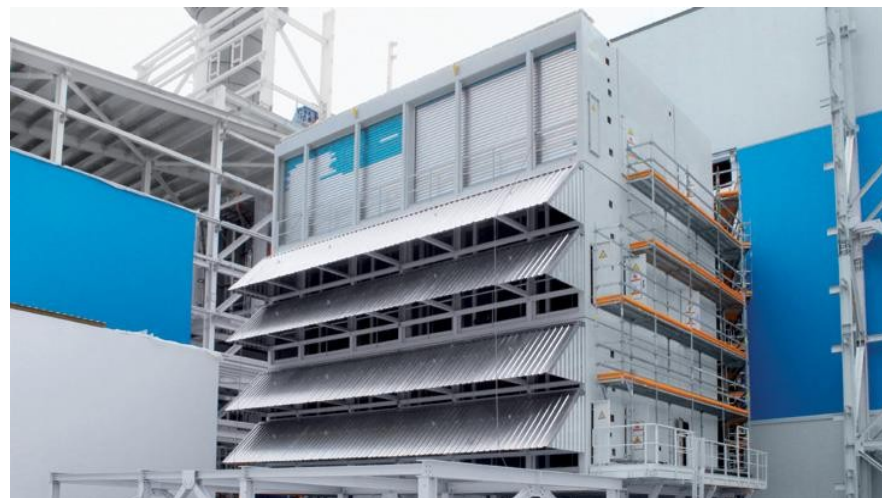


KAZAN POWER PLANT-3 (TAIF)

Erection of a waste heat boiler

Erection of Gas Turbine Unit gHA.01 GE of 386,84 MW
with electro generator

Installation of central line and plant auxiliary equipment

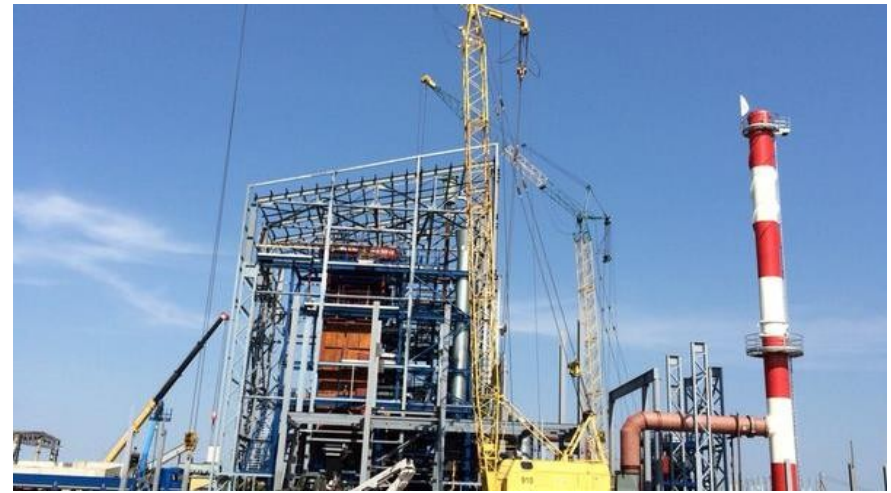


LLC «Bioenergeticheskaya company»

Power plant in Syctyvkar

Turnkey construction of 4,8 MW Power plant on wood wastes

Turnkey assembly of thermal power plant, including installation of main equipment: Rolls-Royce turbines



LLC IED-Generation GTU-CCPP

Construction of CCPP 20 mW at Central Boiler Plant
of JSC "Elabuga Heat Supply Company"



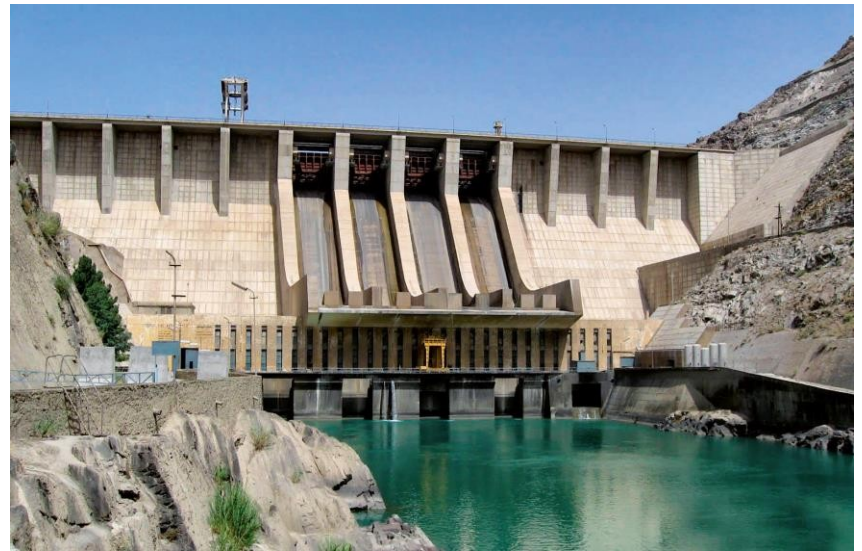
KAZAKHSTAN

Complete cycle of automation of units
500MW AES-Ekibastuz



AFGHANISTAN

Reconstruction of hydro generating unit No. 1 and full repair of hydro generating unit No. 3 with 25 MW capacity each at Hydro PP Naglu



PAKISTAN

Complex examination of power equipment and consulting services on modernization and reconstruction TPP-TVS 165 MW steel combine "Paksteel"



BANGLADESH

Overhaul of power unit N°1 of power station
Siddirganj 210 MW



Electrical energy industry

JSC «Grid Company» SCHELOKOV SUBSTATION

Turnkey construction of Schelokov Substation 500 kV



JSC «Grid Company» OHL-220 KV SCHELOKOV – CENTRAL

Turnkey construction of overhead line -220 kV



JSC «Grid Company» SUBSTATION BUGULMA

Reconstruction of outdoor switchgear 500kV



JSC «Grid Company» Substation Begishevo

Turnkey construction of 220 kV Begishevo Substation



ZELENODOLSKAYA SUBSTATION

Reconstruction of 220 kV Substation



Housing and utility sector

JSC «RSK»

**Apartment complex «M-14»
Kazan**

Construction of boiler plant 40 MW



JSC «Gran»

Islamic Academy, Bolgar

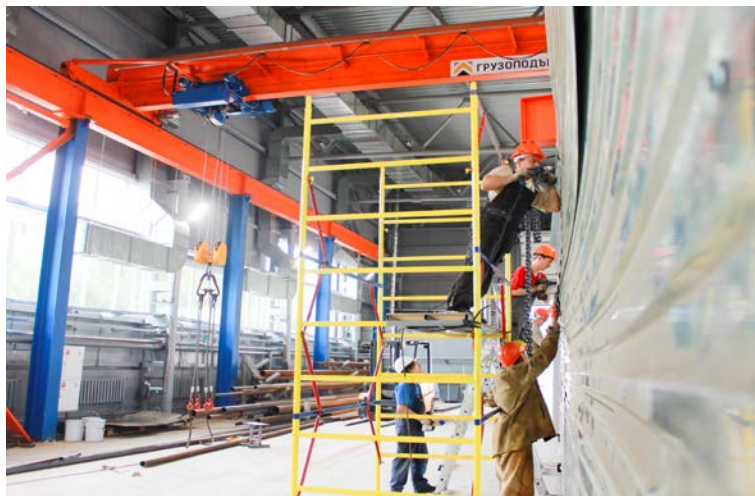
Construction of indoor boiler plant 1,5 MW



JSC «USP Compulink»

Construction of six modular boiler stations of total capacity 89.8 MW Kotovsk

Construction of six modular boiler stations of total capacity 89.8 MW



Oil and gas and petrochemical industry

Nizhnekamskneftekhim

- Construction of the plant for Production of Izobutene, 160 th. t/year
- Installation and air manifold construction of HOWDEN compressors



Nizhnekamskneftekhim

- Installation of the equipment for polystyrene production (ABC plastic)
- Installation of steam-line 140 ata
- Turnkey installation of steam-line D377x50 cn/15x1M1F, 1.5 km length



TATNEFT

Construction of modular block boiler units
Installation and strapping of the boiler unit
pipelines Installation of auxiliary equipment of
boiler house Thermal insulation works
Anti-corrosion
protection Electrical
installation works



COMPLEX OF PETROCHEMICAL AND OIL REFINERY PLANTS FOR JSC TANECO

Participation in construction of Complex of petrochemical and oil refinery plants in Nizhnekamsk, Republic of Tatarstan



Ammonium

Construction of ammonium fertilizers



Lukoil Lukoil-Nizhegorodorgsintez Refinery

Construction of catalytic cracking complex-2



PSC NC ROSNEFT KUYBYSHEVSKIY OIL REFINERY PLANT

Reconstruction of unit



SYZRAN REFINERY

Steelwork erection and pipelining



Gazprom Neftechim Salavat Refinery

Construction of catalytic cracking complex



SC «TURKMENNEFT»

Construction of gaslift compressor station of Keimir oil field



Overhaul and reblading of 6 gas turbine units THM 1304-10 at Compressor station Korpeje of Turkmenneft



Other business

LLC «Zainskiy grain-hopper» INDUSTRIAL AGRICULTURAL PARK ZAMAN

Turnkey construction of industrial agricultural park in
Zainsk, Republic of Tatarstan



INTERSKOL-ALABUGA

Installation of machining facilities of the plant





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THANK YOU
FOR YOUR
ATTENTION !

