



Dedication to our clients through responsibility and professionalism



THE GROUP HISTORY

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ASPMK-519 — one of the largest vertically-integrated groups in the Republic of Kazakhstan that incorporates various industrial and service companies making business in power industry.

ASPMK-519 holds a leading position on the market of the Republic of Kazakhstan in engineering, construction, rehabilitation and maintenance of electrical grids and substations rated up to 500 kV.

| HISTORY | |
|---|-----------|
| Incorporation of ASPMK-519 LLP Early formation of holding structure and implementation of company's | |
| vertical integration strategy. Manufacturing of reinforced concrete centrifuged, vibrated poles for 0.4-220 kV power transmission lines and substation reinforced concrete is started on basis of subsidiary company Temirbeton LLP under manage of ASPMK-519. | 2000 |
| Incorporation of the first subsidiary for construction and installation works – Energo-REM LLP. | |
| Establishment of subsidiary company TK Metakon LLP and start of production engineering of metal poles for power transmission lines, metal structures for reinforced concrete poles, metal formworks for reinforced concrete products with implementation of hot dip galvanizing technology. | 2001 |
| Creation of energy trading department. | |
| A range of new business areas is evolved: manufacturing of electrical equipment, including switch room products and bays on the basis of established subsidiary company Infraenergo LLP and manufacturing of cabling and wiring products at Kazinvestinsulator LLP another subsidiary of ASPMK-519 LLP. | 2002-2003 |
| Establishment of engineering center inside ASPMK-519 and engineering companies. | 2004 |
| New construction and installation subsidiaries are established and acquisition of existing construction and installation companies is finished. | |
| Incorporation of Interinvestinsulator LLC (RF) - manufacturer of polymer one-piece-cast insulators. | 2007 |
| A new business area is evolved to diversify corporate business – production and transmission of electric power. | 2007 |
| Completion of construction and commissioning of Karatalskaya GES-2 (HPP) with rated capacity of 4.4 MW. | 2008 |
| Establishment of ASPMK-519 branch office in Dushanbe city, Republic of Tadjikistan. | |
| Establishment of ASPMK-519 branch office in Bishket city, Kyrgyz Republic. | 2009 |
| Completion of construction and commissioning of Karatalskaya GES-3 with rated capacity of 4.4 MW. | |
| Completion of construction and commissioning of Karatalskaya GES-4 with rated capacity of 3.2 MW. | |
| Establishment of East Siberian branch office of ASPMK-519 in Krasnoyarsk city, Russian Federation. | 2010 |
| Establishment of ASPMK-519 branch office in Ashgabat city, Turkmenistan. | |
| Prefabrication construction shop is established as a part of Temirbeton LLP that manufactures a wide range of construction products required for construction of accommodations of the 3rd and 4th class of comfort under the state-run program "Dostupnoye Zhilye (Affordable Housing) 2020". | 2013-2014 |
| HPS-2 Hydropower station that power is 16.99 mWt based on river Lepsy has been compleated | 2015-2016 |
| | |



STRUCTURE









ASPMK-519 is a holding company consolidating enterprises combined in three lines of business in accordance with their profile and the corporate strategy – service, industrial, manufacturing & transmission of electric power. The first line includes one engineering and a range of construction & installation companies that perform full scope of engineering, construction, rehabilitation and modernization works for power lines and substations as well as procurement, installation and commissioning of equipment on turn-key basis for substations. Project management is performed using a centralized integrated

project management system that ensures flexible interaction between the companies involved in project implementation. The second line incorporates subsidiaries that produce a wide range of construction and electrical products: ferroconcrete product and structures, metal structures of poles, non-insulated wires and polymers insulators. The third line includes power sources (combined heat & power plant, hydropower plants), generating electric and heating energy, as well as electric grids and substations ensuring transmission of electric energy to direct consumers and wholesale customers.

ASPMK-519 LLP SOCIAL AND ECONOMICAL VALUES IN 2019 ACTIVITY

PRECAST CONCRETE PRODUCTION

49755 м³

STEEL CONSTRUCTION PRODUCTIONS

10213 ton

ELECTRICAL EQUIPMENT,
BALANCING AND COMMISSIONING

61 pcs 5994 units 436 м²

POLYMER INSULATORS PRODUCTION

1348 pcs

CABLE AND WIRES PRODUCTION

488 km.

TRANSPORTAION SERVICE

20812 kм.

POWER GENERATION

289848 kWh

HEAT GENERATION

104,474 Gcal

POWER DISTRIBUTION POWER GRID AND SUBSTATIONS OPERATION

152046 kWh



MAIN BUSINESS ACTIVITIES



ASPMK 519

Service Business-Line

Complex engineering in the field of turnkey construction of electric mains and substations

Designing of electrical mains and substations

Completing, construction, repair and rehabilitation of electric mains and substations

Services in the field of telecommunication and information technology in power industry

Commissioning operations

Industrial Business-Line

Reinforced concrete poles and other precast concrete products production for power grid lines, substations and housing construction.

Manufacture of special metal structures with the application of hot-dip galvanizing technology for purposes of electric mains construction.

Manufacture of fuse boxes, 6-10 kV switchgears, relay protection and automation cabinets, control and automation systems

Manufacture of polymer insulators

Manufacture of cabling and wiring products

Manufacture of non-standard equipment and products

Production, Transmission and Distribution of Electrical and Thermal Power, Power supply

> Power supply of customers (sale of electric power)

Production of electric and thermal power

Transmission of electric power









EXPERIENCE









Within period of time from 2000 until 2019 "Aspmk-519" Llp has completed more than 140 constructions, reconstructions and repairmen projects in power distribution industry. More than 6400 km of overhead power distribution lines has been constructed that consists from 2300 km of 110 kV, 2700 km of 220 kV and 1400 km of 500 kV. More than 110 substations has been reconstructed that consists from 50 pc of 110 kV, and 60 of 220 kV and 500 kV. More than 3400 km of optical cables has been installed that consists from more than 3100 km of OPGW and 310 km of underground optical cables. New advanced technologies and materials are used at project implementation to ensure high quality and on-time completion of works:

- Wire and OPGW stringing under tension
- OPGW for telemechanics and remote control setup
- Design and manufacture of RPA systems with use of microprocessor technologies of Siemens, ABB, Schneider Electric
- Design, manufacture and adjustment of SCADA
- Installation, testing of SF6 equipment of up to 500 kV
- Installation of cable with cross-linked polyethylene insulation of up to 110 kV.

LICENSES AND CERTIFICATES

LICENSES

- For engineering activities (1st category);
- For survey activities;
- For construction-installation works (1st category);
- Permit to works and types of works that may affect safety of capital construction facilities (Russian Federation);
- To perform engineering of internal and external power supply facilities up to 0,4-10 kV development and execution of electrical equipment designs (branch office of ASPMK-519 LLP in Ashgabat city, Turkmenistan).
- To perform works on installation and assembly of electrical equipment up to 04-10 kV – electrical works (branch office of ASPMK-519 LLP in Ashgabat city, Turkmenistan);
- To perform works on testing and setup of electrical equipment up to 04-10 kV –engineering testing of transformers, power distribution and monitoring equipment (branch office of ASPMK-519 LLP in Ashgabat city, Turkmenistan);
- To perform grounding works, construction works, exploration-drilling works for construction purposes, other construction works (branch office of ASPMK-519 LLP in Ashgabat city, Turkmenistan);
- To perform design and survey works, construction of public, residential and production buildings and structures, construction-installation works (branch office of ASPMK-519 LLP in Dushanbe city, Republic of Tadjikistan);
- For type of works and services in the field of architectural, urban planning and building activities (branch office of ASPMK-519 LLP in Bishkek city, Kyrgyz Republic);
- To develop and implement (including other type of transmission)
 Cryptographic Information Protection Means;
- To purchase electric power for power supply purposes.

CERTIFICATES

- Compliance Certificate of Quality Management System with respect to architectural, urban planning, building activities, works and services to the requirements of ST RK ISO 9001-2009;
- Compliance Certificate of Occupational Safety and Health Management System with respect to architectural, urban planning, building activities, works and services to the requirements of ST RK OHSAS 18001-2008;
- Compliance Certificate of Environmental Management System with respect to architectural, urban planning, building activities, works and services to the requirements of ST RK ISO 14001-2006;
- Approval of metal poles manufactured by TK Metakon LLP for use on FGS UES (FSK EES) OJSC facilities in Russian Federation.
- Approval of Metal-Clad Switchgear of series KAZNEX manufactured by Infraenergo LLP for use on FGS UES (FSK EES) OJSC facilities in Russian Federation.









PARTNERS CLIENTS



TengizChevroil LLP





«NC «Kazakhstan Temir Zholy» JSC



Almaty Power Consolidated JSC (Alatau Zharyk Kompany JSC)



Mangistau Distribution Power Grid Company JSC



Korporatsiya Kazakhmys LLP



Kazzinc LLP



Zhezkazganskaya REK JSC



Buzachi Operating Ltd



Yevroaziatskaya energeticheskaya korporatsiya JSC



Kazakhstanskiy electrolizniy zavod JSC



ArcelorMittal Temirtau OJSC







Altyntau Kokshetau LLP



Ulba Metallurgical Plant JSC



EnergoStroyProyekt LLP



JV Soyuzkomplekt LLP



EvroKhim-Udobreniya LLP



Mobile Telecom-Service LLP



Kazteleradio JSC





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