

## List of relevant projects completed by our team

(as of January 2025)

No	Project name	Year	Results
1	Grid connection study of cascade of Shelek HPPs Customer: KAZHYDRO LLP	2011	Approved by KEGOC JSC, AZHK JSC, MINT RoK
2	Grid connection study of WPP with installed capacity of 48 MW on Arkalyk site Customer: SYNERGY ASTANA LLP	2011	Approved by KEGOC JSC, MINT RoK, technical conditions are issued by KEGOC
3	Feasibility study for the construction of WPP with installed capacity of 48 MW on Arkalyk site Customer: SYNERGY ASTANA LLP	2011	Approved by RGP “Gosexpertiza” and MINT RoK, individual tariff is defended
4	Feasibility study “Construction of OHTL 500 kV Semey – Aktogai – Taldykorgan – Alma” Customer: EnergoStroyProekt LLP	2012	Approved by “RGP “Gosexpertiza”.
5	Grid connection study of Agip KCO GTPP in Atyrau region Customer: KAZNIPIENERGOPROM JSC	2012	Approved by KEGOC JSC, MINT RoK, technical conditions are issued by KEGOC
6	Grid connection study of Uralsk GTPP with installed capacity of 200 MW in West Kazakhstan region Customer: Batys Power LLP	2013	Approved by KEGOC JSC, MINT RoK, technical conditions are issued by KEGOC
7	Grid connection study of Badamsha WPP with installed capacity of 48 MW and future expansion to 96 MW in Aktobe region Customer: SYNERGY ASTANA LLP	2013	Approved by KEGOC JSC, MINT RoK, technical conditions are issued by KEGOC
8	Grid connection study of Merke HPPs with installed capacity of 18 MW in Zhambyl region Customer: Taraz Green Power GENCO LLP	2013	Approved by KEGOC JSC, ZHES LLP, MINT RoK, technical conditions are issued by ZHES LLP
9	Grid connection study of Kokshetau CHP with installed capacity of 240 MW in Akmola region Customer: local authority - Akimat of Akmola region	2013	Approved by KEGOC JSC, Kokshetau-Energo LLP, MINT RoK

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10	External power supply study of Lomonosovskoe deposit in Kostanai region Customer: Lomonosovskoe LLP	2013	Approved by KEGOC JSC, technical conditions are issued by KEGOC
11	Detailed design of 500 kV OHTL Ekibastuzskaya-Semey (line length 400 km) Customer: EnergoStroyProekt LLP	2013	Approved by KEGOC JSC, Approved by RGP “Gosexpertiza”
12	Analysis of Steady-State and Transient Stability of the Parallel Operations of Power Systems of the Kyrgyz Republic and the Republic of Tajikistan under CASA-1000 Project Customer: TETRA TECH on behalf of USAID	2013	Final report is accepted and approved by USAID
13	Grid connection study of Semey CHP-3 with installed capacity of 180 MW in Akmola region Customer: Samruk-Energy JSC	2013	Approved by KEGOC JSC, VKREK JSC, MINT RoK, technical conditions are issued by VKREK JSC
14	Feasibility study for the construction of 500 kV cross border OHTL Kazakhstan-Kyrgyzstan Customer: KEGOC JSC	2014	Approved by RGP “Gosexpertiza”.
15	Pre-feasibility study for the connection of West Kazakhstan power system with UPS of Kazakhstan Customer: KEGOC JSC	2014	PreFS is approved by the customer - KEGOC JSC.
16	External power supply study of Arys-kum Oil&Gas deposit in Kyzylorda region Customer: PetroKazakhstan Kumkol Resources JSC	2014	Approved by KEGOC JSC, technical conditions are issued by KEGOC
17	Grid connection study of Badamsha WPP with installed capacity of 100 MW in Aktobe region Customer: EUROFINSA KZ LLP	2014	Approved by KEGOC JSC and ME RoK, technical conditions are issued by KEGOC
18	Grid connection study of Shayan WPP with installed capacity of 100 MW in South Kazakhstan region Customer: EUROFINSA KZ LLP	2014	Approved by KEGOC JSC and ME RoK, technical conditions are issued by KEGOC

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19	Grid connection study of Batyr SPP with installed capacity of 2 MW in Mangistau region Customer: Group Independent LLP	2014	Approved by KEGOC JSC, MAEK-Kazatomprom LLP and ME RoK, technical conditions are issued by MAEK-Kazatomprom
20	Grid connection study of Batyr SPP with installed capacity of 5 MW in Mangistau region Customer: Best Group NS LLP	2014	Approved by KEGOC JSC, GKP Mangistauenergo and ME RoK, technical conditions are issued by GKP Mangistauenergo
21	Grid connection study of Akshukur WPP with installed capacity of 5 MW in Mangistau region Customer: Best Group NS LLP	2014	Approved by KEGOC JSC, MREK JSC and ME RoK, technical conditions are issued by MREK JSC
22	External power supply study of NPS-663 (Kaztransoil JSC) pumping station Customer: Electroservice LLP	2014	Approved by KEGOC JSC and Caspian Pipeline Consortium JSC, technical conditions are issued by Caspian Pipeline Consortium JSC
23	Feasibility study for the construction of Balkhashskaya TPP grid connection objects Customer: KEGOC JSC	2014	Approved by RGP "Gosexpertiza"
24	Grid connection study of Zhanazhol GTPP feeding Gas Processing Unit #3 in Aktoobe region Customer: CNPC-Aktobemunaigas JSC	2014	Approved by KEGOC JSC and ME RoK
25	Grid connection study of Gas fired power plant 8x1,2 MW on North-west Kyzylkya Oil&Gas deposit Customer: PetroKazakhstan Kumkol Resources JSC	2015	Approved by KEGOC JSC and ME RoK
26	Elaboration of preliminary feasibility study for construction of GTPP in Kyzylorda region Customer: "Turkuaz Invest" LLP	2015	Accepted by the Customer
27	Feasibility study for the construction of WPP with installed capacity of 48 MW on Badamsha site Customer: «Arm Wind» LLP	2015	Approved by RGP "Gosexpertiza"

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28	External power supply study of VNS-667 (Kaz-transoil JSC) water pumping station Customer: Electroservice LLP	2015	Approved by distribution system operator - MREK JSC, technical conditions are issued
29	Grid connection study of 24 MW small hydro power plants cascade on Tekes river in Rayimbek district of Almaty region Customer: «KazGidroKaskad» LLP	2015	Approved by KEGOC JSC, AZHK JSC and ME RoK
30	Grid connection study of 37.9 MW small hydro power plants cascade on Bayinkol river in Rayimbek district of Almaty region Customer: «KazGidroKaskad2» LLP	2015	Approved by KEGOC JSC and AZHK JSC
31	Grid connection study and Feasibility study for the construction of WPP with installed capacity of 50 MW on Fort-Shevchenko site in Mangistau region Customer: «CMI Green Energy» LLP	2015	Grid connection study approved by KEGOC JSC, MREK JSC and ME RoK, technical conditions were issued, FS approved by RGP "Gosexpertiza"
32	External power supply study of Komarovskiy gold deposit concentrator plant in Zhetikara town of Kostanay region Customer: «ASPMK-519» LLP	2015	Approved by KEGOC JSC
33	Grid connection study of small HPP-2 on Lepsy river in Almaty region Customer: «GES Lepsy-2» LLP	2015	Approved by KEGOC JSC and TATEK JSC
34	Grid connection study of small HPP on Kora river in Almaty region Customer: «Korinskaya GES» LLP	2015	Approved by KEGOC JSC and Karatal-Transit LLP
35	Feasibility study for Badamsha WPP with installed capacity of 48 MW in Aktobe region Customer: «ARM WIND» LLP	2015	FS approved by RGP "Gosexpertiza"
36	Grid connection study and Feasibility study for the construction of SPP with installed capacity of 40 MW on Gulshat site in Karaganda region Customer: «KPM-Delta» LLP	2015	Grid connection study approved by KEGOC JSC, ZhREK JSC, technical conditions issued, FS approved by RGP "Gosexpertiza"

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37	Grid connection study and Feasibility study for the Second stage (50MW expansion) of SPP on Burnoe site in Zhambyl region Customer: «United Green Energy Limited»	2015	Grid connection study approved by KEGOC JSC, technical conditions issued, FS approved by RGP “Gosexpertiza”
38	Research on Renewable energy integration capabilities of the Kazakhstan power system at current and future prospects Customer: «KEGOC» JSC	2015	Research results approved by the customer «KEGOC» JSC and MoE RK
39	Power and energy balance of the Kazakhstan power system for 2016-2022 period with long term future prospects till 2025, 2030 Customer: «KEGOC» JSC	2016	Balance approved by the customer «KEGOC» JSC
40	Grid connection study and Feasibility study for the 50MW SPP on Baikonur in Kyzylorda region Customer: «United Green Energy Limited»	2016	Grid connection study approved by KEGOC JSC, technical conditions issued, FS approved by RGP “Gosexpertiza”
41	Grid connection study and Feasibility study for the 50MW SPP Kapshagay-Solar in Almaty region Customer: «Reliable High Technologies» LLP	2016	Grid connection study approved by KEGOC JSC, technical conditions issued, FS approved by RGP “Gosexpertiza”
42	Grid connection study for 10 MW gas piston power plant GPES-MTU in West-Kazakhstan region Customer: «Condensate» JSC	2016	Grid connection study approved by KEGOC JSC and Aksaygazpromenergo LLP, technical conditions issued
43	Grid connection study for 4.5 MW WPP in Kapshagay Almaty region Customer: «ANNAR» LLP	2016	Grid connection study approved by KEGOC JSC and AZHK JSC, technical conditions issued
44	Detailed design of 500 kV OHTL Semey - Aktogay (line length 400 km) Customer: KEGOC JSC	2016	Approved by KEGOC JSC, Approved by RGP “Gosexpertiza”.
45	Grid connection study for 4.5 MW WPP in Nurly Almaty region Customer: «Nurly WPP» LLP	2016	Grid connection study approved by KEGOC JSC and AZHK JSC, technical conditions issued

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46	Technical-economical research for construction of solar power plant near the city of Shymkent Customer: «Burnoe Solar-1» LLP	2016	Final report is accepted by the Customer.
47	External power supply study for gold mining complex RG Gold in Akmola region Customer: "RG Gold" LLP	2016	Approved by KEGOC JSC, technical conditions issued
48	External power supply study for ore mining/processing complex Masalskoe in Akmola region Customer: "Kazgiprocvetmet" LLP	2016	Approved by KEGOC JSC, technical conditions issued
49	Grid connection study and Feasibility study for the 100 MW SPP Kapshagay in Almaty region Customer: "ENEVERSE KUNKUAT" LLP	2017	Grid connection study approved by KEGOC JSC, technical conditions issued, FS approved by RGP "Gosexpertiza"
50	External power supply study and feasibility study for external power supply objects for metallurgic complex based on Masalskoe iron ore deposit in Akmola region Customer: "Kazgiprocvetmet" LLP	2017	External power supply study approved by KEGOC JSC, technical conditions issued, FS approved by RGP "Gosexpertiza"
51	Grid connection study and Feasibility study for the 16 MW SPP Burzhar in South-Kazakhstan region Customer: «United Green Energy Limited»	2017	Grid connection study approved by KEGOC JSC and OZhT LLP, technical conditions issued, FS approved by out-of-departmental expertise
52	Elaboration of external power supply options for Kazakhaltyn hydro-metallurgic company assets with future prospects Customer: «Kazakhaltyn Technology» LLP	2017	Final report is accepted by the Customer.
53	Grid connection study for 4.5 MW WPP Nurly-2 in Almaty region Customer: «Nurly-2 WPP» LLP	2017	Grid connection study approved by KEGOC JSC and AZHK JSC, technical conditions issued

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54	Grid connection study for Rudnichnye HPP in Kerbulak district Almaty region Customer: «ASPMK-519» LLP	2017	Grid connection study approved by KEGOC JSC and Karatal Tranzit LLP, technical conditions issued
55	Grid connection study for SPP Shalkiya in Kyzylorda region Customer: «Shalkiya Solar (Шалкия Солар)» LLP	2017	Grid connection study approved by KEGOC JSC, technical conditions issued
56	Grid connection study for 30.4 MW gas piston power plant in Zhanaozen Mangistau region Customer: «OralMunaiProm» LLP	2017	Grid connection study approved by KEGOC JSC and MREK JSC, technical conditions issued
57	Detailed design for the second stage (50 MW extension) of Burnoe Solar Power Plant in Zhambyl region Customer: «United Green Energy Limited»	2017	Detailed design is finalized and approved by out-of-departmental expertise. Construction is finalized,
58	Grid connection study and Feasibility study for the waste treatment gas piston power plant in the city of Kengir Karaganda region Customer: «Kazakh Santehtproekt» LLP	2017	Grid connection study approved by KEGOC JSC and ZhREK LLP, technical conditions issued, FS approved by RGP “Gosexpertiza”
59	Actualization of power and energy balance for power system of the Republic of Kazakhstan with future prospects till 2018-2024 and 2030 Customer: «KEGOC» JSC	2017	Actualized power and energy balance was approved by Ministry of Energy (order №475 dated 25.12.2017)
60	Grid connection study for HPP-2 on Chizha river in Almaty region Customer: «ASPMK-519» LLP	2017	Grid connection study approved by KEGOC JSC and Karatal Tranzit LLP, technical conditions issued
61	Grid connection study for 19 MW SPP in Zhambyl region Customer: «Aqyrtobe Solar» LLP	2018	Grid connection study approved by KEGOC JSC and Zhambyl Electric Grid LLP, technical conditions issued
62	Grid connection study for 5 MW SPP in Zhambyl region Customer: «Zhalgyztobe Solar» LLP	2018	Grid connection study approved by KEGOC JSC and Zhambyl Electric Grid LLP, technical conditions issued

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63	Grid connection study and a part of Feasibility study for waste utilization plant in Kengir village of Karaganda region Customer: «Kazakhskiy Santehtproekt» LLP	2018	Grid connection study approved by KEGOC JSC and Zhezkazgan Electric Grid LLP, technical conditions issued. Feasibility study is approved by “RGP “Gosexpertiza”.
64	Detailed design for 14 MW Zadarya Solar Power Plant in South-Kazakhstan region Customer: «KazGreenTekSolar» LLP	2018	Detailed design is finalized and approved by out-of-departmental expertise.
65	Grid connection study and a part of Feasibility study for Karyernoye gold extracting plant in Aktogai district of Karaganda region Customer: «AK Altynalmas» JSC	2018	Grid connection study approved by KEGOC JSC and Kazakhmys Distribution LLP, technical conditions issued. Feasibility study is approved by RGP “Gosexpertiza”
66	Grid connection study and a part of Feasibility study for copper extracting plant in Ayagoz district of East-Kazakhstan region Customer: «ASPMK-519» LLP	2018	Grid connection study approved by KEGOC JSC and East-Kazakhstan Electric Grid LLP, technical conditions issued. Feasibility study is approved by RGP “Gosexpertiza”
67	Detailed design for 50 MW Baikonyr Solar Power Plant in Kyzylorda region Customer: «United Green Energy Limited»	2018	Detailed design is finalized and approved by out-of-departmental expertise.
68	Grid study of Feasibility study "Reinforcement of West-Kazakhstan zone transmission grid" Customer: «EnergoStroyProekt» LLP	2018	Feasibility study is finalized and approved by RGP “Gosexpertiza”
69	Grid connection study and a part of Feasibility study for 1-st grade lime production plant in Kostanay region Customer: «KITNG» LLP	2018	Grid connection study approved by Kostanay Electric Grid LLP, technical conditions issued.



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70	Peer review of the assessment report on current state of the emergency automatic protection system (EAPS) in Tajikistan due to cross-border interconnection needs with Uzbekistan. Customer: "ECODIT" LLC (on behalf of USAID)	2018	Report is finalized and approved by USAID and stakeholders
71	Grid connection study for 40 MW SPP in Panfilov district of Almaty region Customer: «Blu Kazakhstan» LLP	2018	Grid connection study approved by KEGOC JSC and Managing Company Khorgos East Gates LLP, technical conditions issued
72	Grid connection study for Zhairam extracting plant in Karaganda region Customer: «ASPMK-519» LLP	2018	Grid connection study approved by KEGOC JSC and Zhezkazgan Electric Grid LLP, technical conditions issued.
73	Grid connection study for 3 MW SPP in Kapchagay city of Almaty region Customer: «TechnoBazalt» LLP	2018	Grid connection study approved by KEGOC JSC and Alatau Zharyk Kompaniyasi LLP, technical conditions issued.
74	Actualization of power and energy balance for power system of the Republic of Kazakhstan with future prospects till 2019-2025 and 2030 Customer: «KEGOC» JSC	2018	Actualized power and energy balance was approved by Ministry of Energy (order №10 dated 14.01.2019)
75	Detailed design for 100 MW Nurgisa Solar Power Plant near the city of Kapchagay in Almaty region Customer: «ENEVERSE KUNKUAT» LLP	2019	Detailed design is finalized and approved by out-of-departmental expertise.
76	Grid connection study for 50 MW WPP in Kostanay region Customer: «ZHEL ELECTRIC» LLP	2019	Grid connection study approved by KEGOC JSC and Kostanay Electric Grid LLP, technical conditions issued
77	Grid connection study for 50 MW SPP in Almaty region Customer: «MISTRAL ENERGY» LLP	2019	Grid connection study approved by KEGOC JSC, technical conditions issued
78	Grid connection study for 100 MW WPP in Akmola region Customer: «ZHEL ELECTRIC» LLP	2019	Grid connection study approved by KEGOC JSC, technical conditions issued

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79	Justifying calculations on power system integration of 43.6 MW WPP Fort-Shevchenko with power quality assessment Customer: "KT Raremetal Company" LLP	2019	Justifying calculations coordinated with KEGOC JSC and Mangistau Electric Grid LLP.
80	Grid connection study for 50 MW SPP Alma in Almaty region Customer: «DORADO SERVICE GROUP» LLP	2019	Grid connection study approved by KEGOC JSC, technical conditions issued
81	Justifying calculations on power system integration of 100 MW Nurgisa Solar Power Plant near the city of Kapchagay in Almaty region Customer: «ENEVERSE KUNKUAT» LLP	2019	Justifying calculations coordinated with KEGOC JSC.
82	Grid connection study for 8.6 MW small hydro power plant on Koktal river in Almaty region Customer: "Zharyk-Energo" LLP	2019	Grid connection study approved by KEGOC JSC and local electric grid company, technical conditions issued
83	Grid connection study for 100 MW WPP near Aktogay village in East-Kazakhstan region Customer: «ZHEL ELECTRIC» LLP	2019	Grid connection study approved by KEGOC JSC, technical conditions issued
84	Grid connection study for 4,95 MW WPP near Ereimentau village in Akmola region Customer: "Ereimentau WPP" LLP	2019	Grid connection study approved by KEGOC JSC and Akmola electric grid LLP, technical conditions issued
85	Grid connection study for 10 MW WPP Zhangiz in Mangistau region Customer: "WPP Service" LLP	2019	Grid connection study approved by KEGOC JSC and Mangistau electric grid LLP, technical conditions issued
86	Grid connection study for second phase (48 MW extension) of existing Badamsha 48 MW WPP in Aktope region Customer: "TECHNINCO ENGINEERING CONTRACTORS" LLP	2019	Grid connection study approved by KEGOC JSC, technical conditions issued
87	Grid connection study for Donskoy extracting plant in Aktope region Customer: "Batys Transit" JSC	2019	Grid connection study approved by KEGOC JSC, technical conditions issued

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88	Grid connection study for Logistic Hub in Almaty region Customer: "Energo Stroy Company" LLP	2019	Grid connection study approved by KEGOC JSC, technical conditions issued
89	Pre-FS documentation for renewable energy source in preparation to RES auction - 50 MW solar power plants near the village of Shaulder in Turkestan region Customer: UNDP Kazakhstan	2019	Based on Pre-FS documentation in the fall 2019 RES auction was successfully held
90	Author's supervision for the construction of Baikonyr SPP Customer: "Baikonyr Solar" LLP	2020	SPP was successfully built and commissioned
91	Grid connection study for PP Eurochem-Fertilizers-Karatau in Zhambyl region Customer: ASPMK-519 LLP	2020	Grid connection study approved by KEGOC JSC, technical conditions issued
92	Author's supervision for the construction of 14 MW Zadarya SPP in the city of Arys, Turkestan region Customer: "KazGreenTekSolar" LLP	2020	SPP was successfully built and commissioned
93	Detailed design of SPP 5 MW Arys in the Turkestan region Customer: Kazakhstan filial of URBASOLAR SAS	2020	Detailed design is finalized and approved by out-of-departmental expertise
94	External power supply study of Ridder energy node Customer: ASPMK-519 LLP	2020	Grid connection study approved by VKREK JSC and KEGOC JSC, technical conditions issued
95	Grid connection study for HPP at the Tasotkel reservoir in the Shu district of the Zhambyl region Customer: LLP "Company A&T-energo"	2020	Grid connection study approved by ZHES LLP and KEGOC JSC, technical conditions issued
96	Grid connection study for the southern pits of the site No. 2 "Tortkuduk" of "Moinkum" deposit "SP KATCO" LLP Customer: «ASPMK-519» LLP	2020	Grid connection study approved by "SP KATCO" LLP and KEGOC JSC, technical conditions issued

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97	Development and approval of a comprehensive testing program [1], full-scale testing program [2], Execution of justifying calculations on power system integration of WPP Badamsha-1 with power quality assessment [3], Development and approval of a Voltage testing program of WPP Badamsha-1 [4] and Voltage testing program of WPP Badamsha-1 with intermediate testing of new installed 110 kV bay #3 on Kimpersay substation [5] Customer: "TECHNINCO ENGINEERING CONTRACTORS" LLP	2020	Programs were approved by "KEGOC" JSC. The WPP was successfully commissioned.
98	Grid connection study for 50 MW WPP in the city of Ekibastuz, Pavlodar region. Customer: "AMPERA" LLP	2020	Grid connection study approved by KEGOC JSC, technical conditions issued
99	Execution of justifying calculations on power system integration of SPP Baikonyr with power quality Assessment into the power grid with an assessment of electricity quality indicators Customer: UG ENERGY LIMITED	2020	Calculations approved by "KEGOC" JSC. The SPP was successfully commissioned.
100	Grid connection study for 6x4,95 MW WPP near Zhangiz-Tobe village, Zharminskiy district, East Kazakhstan region Customer: "Charsk Veter" LLP	2020	Grid connection study approved by VKREK JSC and KEGOC JSC, technical conditions issued
101	Execution of justifying calculations on power system integration of SPP Zadarya with power quality Assessment into the power grid with an assessment of electricity quality indicators Customer: Filial "Urbasolar SAS"	2020	Calculations approved by "KEGOC" JSC. The SPP was successfully commissioned.
102	External power supply study of the Benkalinskoye field due to increasing power consumption Customer: "Mining Company "Benkala" JSC	2020	Grid connection study approved by MRET LLP and KEGOC JSC, technical conditions issued
103	Grid connection options assessment within a framework of "Support of the Implementations of Wind Auctions in Kazakhstan" Customer: GOPA-International Energy Consultants GmbH	2020	The works are completed and accepted by the Customer

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104	"Proposals for possible Solar power plant sites and Wind power plant clusters in the Republic of Kazakhstan" Customer: "BDC Consulting" LLP	2020	The works are completed and accepted by the Customer
105	Pre-feasibility study for the alternative energy sources implementation in the internal networks of the enterprises "Copper Company Kounrad" LLP and "Sary Kazna" LLP Customer: "Copper Company Kounrad" LLP	2020	The works are completed and accepted by the Customer
106	«Grid connection arrangements assessment for «Wind clusters in Kazakhstan» Customer: "RNVEA SPP I" LLP	2020	The works are completed and accepted by the Customer.
107	External power supply study of Vasilkovsky GOK in Akmola region. Customer: «ASPMK-519»	2020	Grid connection study approved by KEGOC JSC, technical conditions issued
108	Feasibility assessment for the connection of small capacity distributed renewable energy sources to the electric grid (Turkestan region in the area of operation of "OZhT" LLP). Customer: UNDP Kazakhstan	2020	The works are completed and accepted by the Customer
109	Preparation of auction documentation for SPP 20 MW in Kyzylorda and Turkestan regions. Customer: «Financial Settlement Center of RE» LLP	2020	Grid connection study approved by KREK JSC, OZhT LLP and KEGOC JSC, technical conditions issued. Auctions were successfully held in December 2020
110	Grid connection study for small hydro power plant on the Koksus river in the Eskeldinsky district of the Almaty region." Customer: "VostokEkoEnergia" LLP, KOXU LLP	2020	Grid connection study approved by TATEK JSC and KEGOC JSC, technical conditions issued
111	Grid connection study for +50 MW WPP near the SS 500/220 kV Aktogay. Customer: Torangy Energy LLP	2020	Grid connection study approved by KEGOC JSC, technical conditions issued
112	Grid connection study for 50 MW WPP near the village of Koyandy in the Akmola region" Customer: "Arm Wind" LLP	2020	Grid connection study approved by Akmolinskaya REK JSC and KEGOC JSC, technical conditions issued

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113	Detailed design of a 48 MW wind power plant near the city of Arkalyk in Kostanay region Customer: "KazWindEnergy" LLP	2020	Detailed design was finalized and accepted by the Customer
114	Grid connection study for 10 and 5 MW WPPs near the village of Kegen in Almaty region" Customer: "Alcor Energy" LLP	2021	Grid connection study approved by AZhK JSC and KEGOC JSC, technical conditions issued
115	Grid connection study for 1-st stage SPP Balkhash in Karaganda region" Customer: "TechnoGroupService" LLP	2021	Grid connection study approved by Kazakhmys Distribution LLP and KEGOC JSC, technical conditions issued
116	Electrical grid study on integration of WPP Badamsha 48 MW (Phase 2) Customer: "Arm Wind" LLP	2021	Based on the Electrical grid study approval from KEGOC JSC for WPP commissioning was obtained
117	Electrical grid study for connection of Hybrid power plant in Zhanaozen Customer: "Arm Wind" LLP	2021	Electrical grid study was finalized and accepted by the Customer
118	External power supply study for Donskoy GOK in Aktobe region Customer: TNC Kazchrome JSC	2021	Grid connection study approved by KEGOC JSC, technical conditions issued
119	"Preliminary feasibility study of using/obtaining electricity from alternative energy sources in the internal networks of enterprises of Varvarinskoye JSC and Bakyrchik Mining Enterprise LLP Customer: Polymetal Eurasia LLP	2021	PreFS was finalized and accepted by the Customer for further business planning purposes
120	External power supply study for Shatyrol-Zhaysan deposit in Shu district of Zhambyl region Customer: "Kazakhmys Corporation" LLP	2021	Grid connection study approved by KEGOC JSC, technical conditions issued
121	External power supply study for extracting factory of the mining/processing plant "Maksut" in the East Kazakhstan region Customer: «ASPMK-519» LLP	2021	Grid connection study approved by KEGOC JSC, technical conditions issued
122	Subcontracting services within the framework of the Central Asian Regional Electricity Market (CAREM) project. Task No. 3 - Study of the Central Asian energy system	2021	Energy system study was finalized and accepted by the Customer

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123	Author's supervision for the construction of the SPP Shoulder Early works objects Customer: "Expertise" LLP	2021	Construction of Early works objects successfully completed
124	Analysis of the possibility for CHP plant decommissioning option while maintaining the power supply of a metallurgical enterprise Customer: KPMG Valuation LLC	2021	Analysis was finalized and accepted by the Customer for further business planning purposes
125	Forecast energy balance of the Republic of Kazakhstan until 2035 Customer: KEGOC JSC	2021	Forecast balance is completed and presented to KEGOC, ME RK, KPM RK
126	Amendment of the external power supply study of the Mizek field in the East Kazakhstan region Customer: "AK Altynalmas" JSC	2021	Grid connection study approved by Kazakhmys Energy LLP and KEGOC JSC, technical conditions issued
127	Presentation materials on the Project for the construction of a 1 GW renewable energy cluster for the power supply of a data center in the Republic of Kazakhstan Customer: Kazakh Green Energy LLP	2021	Presentation materials finalized and accepted by the Customer for further business planning purposes
128	Feasibility study of "Construction of a wind power plant (WPP)" Customer: "TNK Kazchrome" JSC	2022	Feasibility study was finalized and accepted by the Customer
129	Execution of a complex of engineering surveys on the project "Construction of a 153 MW wind power plant located in the territory of the Khromtau district of the Aktobe region" Customer: "TNK Kazchrome" JSC	2022	The complex of engineering surveys has been completed and accepted by the Customer
130	Grid connection study for Koksus HPP-1 in Almaty region Customer: "Korinskaya HPP" LLP	2022	Grid connection study approved by KEGOC JSC, technical conditions issued
131	External power supply study for Koksay copper deposit in Almaty region Customer: "KSGK" LLP	2022	Grid connection study approved by KEGOC JSC, technical conditions issued
132	Grid connection study for 150 MW WPP in Aktobe region Customer: "TNK Kazchrome" JSC	2022	Grid connection study approved by KEGOC JSC, technical conditions issued and approved

<b>№</b>	<b>Project name</b>	<b>Year</b>	<b>Results</b>
133	External power supply study for industrial enterprises from Ili district in Almaty region Customer: "Hub Energy" LLP	2022	Grid connection study approved by KEGOC JSC, technical conditions issued and approved
134	Grid connection study for 6 MW HPP on Tentek river irrigation channel in Almaty region Customer: "EnergoStroy Company" LLP	2022	Grid connection study approved by DSO and KEGOC JSC, technical conditions issued and approved
135	External power supply study for Nurkazgan copper deposit with additional extracting factory Customer: "Kazakhmys Corporation" LLP	2022	Grid connection study approved by KEGOC JSC, technical conditions issued and approved
136	Amended grid connection study for Chizha HPP-2 and HPP-3 on Kora river in Almaty region Customer: "Korinskaya HPP" LLP and "Karatal HPP cascade" LLP	2022	Grid connection study approved by DSO and KEGOC JSC, technical conditions issued and approved
137	Pre-FS for the construction of additional RES with a capacity of 3 GW+ within the framework of the Big Wind project in the Republic of Kazakhstan Customer: Industrial enterprise	2022	Pre-FS completed and accepted by the Customer
138	External power supply study for SARAN Industrial cluster Customer: "KGE Power Line" LLP	2022	Grid connection study approved by KEGOC JSC, technical conditions issued and approved
139	External power supply study for the project "Construction of engineering and communication infrastructure for individual residential buildings of the 10th-11th microdistricts of the city of Temirtau. Substation 110/10 kV Yuzhnaya-2" Customer: "INFRAENERGO" LLP	2022	Grid connection study approved by DSO and KEGOC JSC, technical conditions issued and approved
140	External power supply study for the Health-recreational complex in the Zhambyl district of the Almaty region Customer: "EnergoStroy Company" LLP	2022	Grid connection study approved by DSO and KEGOC JSC, technical conditions issued and approved



<b>№</b>	<b>Project name</b>	<b>Year</b>	<b>Results</b>
141	Grid connection study for 50 MW Arkalyk wind farm Grid connection study for 100 MW Zhezkazgan wind farm Customer: GOPA-International Energy Consultants GmbH for the European Bank for Reconstruction and Development	2022	Grid connection studies approved by KEGOC JSC, technical conditions issued and approved
142	Updating of the Marketing section of the Feasibility Study "Construction of a Nuclear power plant in the Republic of Kazakhstan" Customer: "Kazakhstan Nuclear Power Plants" LLP	2022	Study has been completed and accepted by the Interdepartmental Commission
143	Electrical grid study for the connection of 1 GW wind farm with battery energy storage solution Customer: "Aktas Energy" LLP	2022	Study has been completed and accepted by the Customer and Interdepartmental Commission
144	External power supply study for "Copper Company Kounrad" LLP Customer: "Copper Company Kounrad" LLP	2022	Grid connection studies approved by KEGOC JSC, technical conditions issued and approved
145	Amended grid connection study for "EuroChem-Karatau" electric power plant in the Zhambyl region Customer: "ASPMK-519" LLP	2022	Grid connection studies approved by KEGOC JSC, technical conditions issued and approved
146	Master plan "Concept for Industrial enterprise production facilities power supply until 2035, taking into account low-carbon development plans" Customer: "Energy Plus" LLP	2022	Master plan completed and accepted by the Customer
147	Grid connection study for Lepsy HPP-3 in the Sargand district of Zhetysay region Customer: "MT & K" LLP	2022	Grid connection study approved by DSO and KEGOC JSC, technical conditions issued and approved
148	Optimization of the ferroalloys plant external power supply scheme to reduce the total cost of electric grid construction Customer: "Mineral Product International" LLP	2022	Optimization measures to significantly reduce the cost and increase the reliability of external power supply scheme were proposed and adopted

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149	External power supply study for the Chumek Iron Ore Area deposit Customer: Lacus Mining LLP (Chumek iron ore deposit)	2023	The work has been completed and accepted by the Customer
150	Optimization of the external power supply study for the Ferroalloy Plant in order to reduce the total cost of power grid construction Customer: "Mineral Product International" LLP	2023	The work has been completed and accepted by the Customer
151	External power supply study for the mining and metallurgical complex of TIN ONE MINING JSC from the networks of KEGOC JSC." Syrymbet field" Customer: TIN ONE MINING JSC	2023	The scheme has been approved, technical specifications have been issued
152	Pre-feasibility study "Vision for the development of the National Electric Grid until 2035" Customer: JSC "KEGOC"	2023	The work has been completed and accepted by the Customer
153	Grid connection study for a 1 GW Wind farm with an electricity storage system in the area of the village of Mirny, Zhambyl region" Customer: Aktas Energy LLP	2023	The work has been completed and accepted by the Customer
154	Grid connection study during the expansion and reconstruction of Ekibastuz GRES-2 with the installation of power units of stations NoNo3, 4 (2 power units 2*540 MW = 1080 MW)" Customer: STROYINDUSTRIYA LLP	2023	The scheme has been approved, technical specifications have been issued
155	Grid connection study for the project "Construction of a wind power plant of 1 GW Shelek in the Enbekshikazakh district of the Almaty region" Client: QUNARLY JER LLP	2023	The scheme has been approved, technical specifications have been issued
156	"External power supply study for the Zhomart mine" Customer: Kazakhmys Corporation LLP		The schemes have been agreed by the Customer, KEGOC JSC, ZHREC JSC
157	Grid connection study for the project "Construction of the WPP "Zhuzimdik" 50 MW with the prospect of expansion to 350 MW" Customer: New Clean Energy LLP	2024	The scheme has been approved, technical specifications have been issued
158	Grid connection study for the project "Construction of a 100 MW wind power plant of Sungrow Kazakhstan Holdings LLP" Customer: Sungrow Kazakhstan Holdings LLP	2024	The scheme has been approved, technical specifications have been issued

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159	Amended grid connection study for HPP-2 and HPP-3 on the Kora River in the Zhetisu region Customer: Korinskaya HPP-2 LLP	2024	The scheme has been approved, technical specifications have been issued
160	"Feasibility Study for the Construction of a Wind Power Plant (6 sites) Customer: AQ Group	2024	The work is completed and accepted by the Customer
161	Grid connection study for HPP Koylyk in Zhetysu region Customer: HPP Lepsy-2 LLP	2024	The scheme has been approved, technical specifications have been issued
162	Grid connection study for the Eskeldy HPP in the Zhetisu region Customer: Kaskad Karatal HPPs LLP	2024	The scheme has been approved, technical specifications have been issued
163	OHL Route Study for the 1000 MW WPP Project in Kazakhstan" Customer: ACWA Power Global Services Ltd	2024	The work is completed and accepted by the Customer
164	Grid connection study to assess the possibility of building and connecting a WPP with a total installed capacity of up to 155 MW in the Aktobe region Customer: TNC Kazchrome JSC	2024	The work has been completed and accepted by the Customer
165	Pre- feasibility Study "Construction of a 50 MW SPP in Tajikistan" (in consortium with the NGO "Association of Renewable Energy Sources of Tajikistan") Customer: "TetraTech" LLC (on behalf of USAID)	2024	The work has been completed and accepted by the Customer
166	Amended of the external power supply study of the SARAN Industrial Zone Customer: State Institution "Department of Energy and Housing and Public Utilities of Karaganda Region"	2024	The work has been completed and accepted by the Customer, technical specifications have been issued
167	External power supply study for the construction of own substation of the Shin-Line group of companies in the Almaty region Customer: Shin Line LLP	2024	The work has been completed and accepted by the Customer
168	Grid connection study for the project "Construction of a solar power plant with a capacity of 20 MW near the village of Suzak, Turkestan region" Customer: DALA SOLAR LLP	2024	The work has been completed and accepted by the Customer