



**ENERGOPROJEKT-KATOWICE SA**  
**REFERENCE LIST**

**2013-Q4.2023**

<b>1. CONSULTING SERVICES</b>	<b>2</b>
1.1. Conducting tenders, developing tender and bidding materials, consulting to tender organizers	2
1.2. Development plans, business plans	4
1.3. Feasibility studies	5
1.4. Other consulting and advisory work	6
<b>2. CONCEPTS, ANALYSES, STUDIES</b>	<b>9</b>
2.1. Programmatic and spatial concepts	9
2.2. Concepts, technical analysis, technical-economic analysis	9
<b>3. RENEWABLE ENERGY SOURCES</b>	<b>15</b>
3.1. Wind energy	16
3.2. Hydrogen systems	16
3.3. Photovoltaic Power Plants and Energy Storage Facilities.	17
3.4. Biomass	19
3.5. Other	20
<b>4. DESIGN WORK</b>	<b>21</b>
4.1. General Project Implementation, performance of Author's Supervision, Contract Engineer.	21
4.2. Construction projects, building permit applications	23
4.3. Environmental impact reports, integrated permits	28
4.4. Incinerators	31
4.5. Nuclear projects	32
4.6. Other project work	33
<b>5. MILITARY PROJECTS</b>	<b>41</b>

## 1. CONSULTING SERVICES

### 1.1. Conducting tenders, developing tender and bidding materials, consulting with tender organizers

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	ENEA ELKOGAZ	Development of tender documentation for the project entitled Restoration of generating capacity of 200MW class coal units at Kozienice Power Plant based on gaseous fuel combustion technology in the greenfield formula.	2023-2024
2.	CLEVEREN HOLDING	Execution of documentation and provision of services for the project: GRAB - Preparation of SWZ/Functional and Utility Program and strategic consulting in the procurement process and negotiations	2022-2023
3.	PGE BALTICA	Development of procurement documentation for the selection of a general contractor for the construction of the Onshore Connection (line and station part) for the offshore wind farm Baltica-2 and offshore wind farm Baltica-3, together with the provision of advice to the Contracting Authority during the tender process	2021-2023
4.	ENEA KOZIENICE	Development of tender documentation and participation in the conduct of the tender procedure along with the evaluation of the technical scope of the submitted bids for the project entitled "Restoration of generating capacity of 200MW class coal blocks of Enea Wytwarzanie".	2021-2023
5.	RADPEC	Selection of a technical advisor for the project entitled "Construction of a cogeneration unit with a capacity of approx. 75 MWt / 22MWe in Radom".	2018-2023
6.	ELBIS ROGOWIEC	Technical advice on the preparation and execution of the process of selecting General Contractors for the Industrial Project for the Gdynia Combined Heat and Power Plant - Steam and Gas Block	2020-2022
7.	SYNTHOS DWORY	Development of an optimal variant for the construction of a CCGT gas-steam unit, together with carrying out procurement procedures for the investment: "Construction of gas-steam unit at Synthos Dwory 7".	2018-2022
8.	TAURON HEAT	Acting as technical advisor in the selection of a contractor for the task entitled: "Modernization of the BCF-100 electrostatic precipitator in ZW Katowice".	2021
9.	JSW KOKS	Preparation of the technical and technological part of the ToR for the flue gas desulphurization plant for the new power unit	2019-2020
10.	ZE PAK	Development of the technical part of the ToR for the construction of a 70MWp Photovoltaic Farm located in the area of Janiszew.	2019-2020
11.	PGE BEŁCHATÓW	Commercial and legal advice on the implementation of the investment titled "Construction of new capacities in the Dolna Odra Power Plant for PGE GiEK S.A. - Dolna Odra Power Plant Complex Branch".	2019-2020
12.	ENERGA GDAŃSK	Conducting an audit of documents prepared for the construction of El. Ostrołęka C with a capacity of 1,000 Mwe consisting of analysis and evaluation of the actual readiness of the Project to start the bidding procedure in terms of technical as well as formal and legal issues	2015-2020
13.	TAURON MANUFACTURING	Technical opinion in the field of technological branch to the Specification of Essential Terms of Procurement for the selection of a contractor for a new generating unit - 413 MWe class steam-gas unit at Łagisza Power Plant	2019
14.	ENERGOTECHNIKA GLIWICE	Preparation of the ToR for the task titled "Thermal power supply of Łagisza Power Plant by modernization of 460 MW turbine for heating purposes, construction of a heating station connected to the existing network and construction of peak load boilers".	2017-2018

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
15.	ENERGA GDAŃSK	Substantive support in the development of documents for the tender procedure for the selection of the General Contractor for the construction of the Ostrołęka C Power Plant. Development of a draft tender notice and criteria for selection of the most advantageous offer for the construction of the "Ostrołęka C" Power Plant with a capacity of about 1000 MWe	2016-2017
16.	CPOWER TBILISI	Technical advice on the preparation of a tender for a comprehensive inventory of the block (including off-block installations) in preparation for the investment associated with the renovation of block N10 and the installation of a new CFB boiler	2016-2017
17.	ENERGA GDAŃSK	Conducting a tender procedure for technical and formal-legal issues for the construction of the Ostrołęka C Power Plant with a capacity of 1000 Mwe	2016-2017
18.	EMCA WARSAW	Technical consultancy services in the proceedings conducted in the mode of negotiations with announcement for the construction of a gas-steam unit in EC Żerań	2014-2017
19.	ORLEN SOUTH TRZEBINIA	EC Trzebinia project - support for the Ordering Party in the design process and the process of conducting the tender for the selection of the service provider	2012-2017
20.	ELBIS ROGOWIEC	Provision of consulting and design services in the process of preparing an investment project and selecting a contractor for the construction of gas-steam units at PGE Górnictwo i Energetyka Konwencjonalna S.A.	2011-2017
21.	TAURON MINING	Construction of the "Grzegorz" shaft with the construction of surface infrastructure - Preparation of complete tender documentation for the purpose of selecting a contractor for the construction and technical design for the implementation of the task	2013-2016
22.	EL JAWORZNO	Participation in organizing and conducting a tender for the selection of the Contractor of the external carburization system of the power unit with a capacity of 910 MW in Tauron Wytwarzanie SA Oddz. El. Jaworzno III - Power Plant II".	2013-2016
23.	TAURON MINING	Preparation of complete tender documentation for the purpose of selecting a contractor for the construction and technical design for the implementation of the investment task entitled "Construction of the Grzegorz shaft with the construction of surface infrastructure"	2013-2016
24.	EL PUŁAWY	Update of tender documentation for the selection of the General Contractor for the construction of BGP 400M in EL.Pulawy	2015
25.	LUBIN ENERGETICS	Construction of a flue gas cleaning system at the EC-1 Department in Lubin- development of a feasibility study for the project, preparation of the ToR and a draft contract for the turnkey implementation of the task	2014-2015
26.	EL JAWORZNO II	Participation in organizing and conducting the tender for the selection of the Contractor for the construction of the ash removal system for the 910 MW power unit at Jaworzno Power Plant	2013-2015
27.	PGNIG TERMIKA	Update of the ToR for the purpose of awarding a public contract for a new gas-oil water boiler plant at Żerań EC	2014
28.	EL OPOLE	Technical advice in the process of selecting a contractor for the project entitled. "Modernization of the water demineralization station" at <b>El. Opole</b>	2010-2014
29.	PGNIG TERMIKA SE JASTRZĘBIE	Execution of work including the development of a multi-discipline Specification of Essential Terms of Procurement for the award of a public contract under the EPC formula	2012-2014

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
30.	EL STALOWA WOLA	Formal and technical advice during the contractor selection procedure in accordance with the Public Procurement Law for the task: Expansion of the K9 boiler and TG5 turbine to increase the capacity of the RES unit at Stalowa Wola Power Plant.	2013-2014
31.	TAURON HEAT	Service and technical advice on the public tender for the implementation of the investment "Adaptation of the source of ZW Katowice for the needs of the heat market after 2015".	2013-2014
32.	EP KRAKOW	Provision of services consisting of technical consultations, preparation of analyses and reports, and participation in negotiations in the process of concluding one or more contracts related to the Project: "Expansion of Amber Island".	2014
33.	AZIKEL <sup>UP/2014/605</sup>	Consulting services related to preparation of bid materials and selection of Contractor under EPC formula for Azikel Power Ltd (Bayelsa Project in Nigeria) Consultation	2014

## 1.2. Development plans, business plans

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	KPMG ADVISORY	Development of market assumptions for NABE's strategy and financial model / Execution of market analyses as part of the PGE proceeding for the preparation of a preliminary offer for Strategic Consulting (including legal and tax services), in	2021-2022
2.	MPEC KRAKÓW	Development of due diligence and consulting services in the decision-making process of the acquisition of the ec skawina energy facility	2021
3.	RADPEC SA	Development of a "Multi-variant concept for the development of the generation potential of RADPEC S.A. for 2022-2027."	2021
4.	ENEA NEW ENERGY	Updated conceptual design of RDF and biomass fired power unit at Swierże Górne location	2021
5.	ENERGA	Plan for employment restructuring and cost optimization ENERGA Elektrownie Ostrołęka SA	2021
6.	GE ENERGY	Preparation of DUE DILIGENCE OF THE COMPLETE PERMITTING PROCESS OF THE NEW CCTG POWER PLANT OSTROŁĘKA C	2020
7.	ZE PAK	Development of a Business Plan for a hydrogen generation facility at the Konin Power Plant	2019
8.	TAURON DISTRIBUTION	Development of a concept for the development of the medium-voltage distribution network in the perspective to 2030 in the area of operation of the MV and LV Region Częstochowa Wschód for TAURON Dystrybucja S.A. Częstochowa Branch	2018-2019
9.	TAURON DISTRIBUTION	Concept of development of the medium voltage distribution network in the perspective of 2025 in the area of Nowy Sacz Region	2016

## 1.3. Feasibility studies

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	PAK CCGT	Development of a feasibility study of the Adamow CCGT.	2023
2.	PSE KONSTANCIN	Development of part or all of feasibility studies, construction and detailed designs, together with obtaining a construction permit decision and providing author's supervision services.	2021-2023
3.	TAMEH	Update of the Feasibility Study for the revitalization of the Blachownia Manufacturing Plant in Kędzierzyn Koźle to enable operation for at least 25 years, taking into account the requirements of the BA Conclusion Directive	2022
4.	ATENDE IND. WARSAW	Implementation of a pre-commercial procurement within the framework of the project: "Combined heat and power plant in the local energy system". - Development of a detailed feasibility study	2021-2022
5.	SYNTHOS DWORY	Development of Feasibility Study based on 2 variants of CCGT unit construction selected by the Ordering Party on the basis of developed concepts for construction of gas-steam unit at Synthos Dwory 7	2018-2022
6.	ENEA KOZIENICE	Feasibility study of reconstruction of generating capacity of 200 MWe class units at Koziencice Power Plant through installation of gas-steam units in the existing infrastructure	2020-2021
7.	EC LUBLIN WROTKOW	Development of a feasibility study for the selected variant for the implementation of the "Investment Program of the Lublin Wrotkow CHP Plant".	2018-2021
8.	SYNTHOS DWORY	Development of a Feasibility Study for a new 110kV switchyard at Synthos Dwory 7	2019-2020
9.	ZGH BOLESŁAW BUKOWNO	Development of a feasibility study for the implementation of the investment "Construction of a gas-fired cogeneration source with a capacity of approximately 10 MWe"	2019-2020
10.	MONDI WORLD	Feasibility study for the construction of a new boiler unit or power unit at Mondi Świecie	2017-2020
11.	PGE ENERGY HEAT	Feasibility study for modernization of water and wastewater management and process water preparation for EC Torun	2013-2020
12.	TAURON MANUFACTURING	Conducting a feasibility study for power restoration at Laziska Power Plant	2018-2019
13.	TAURON MANUFACTURING	Concept of a preliminary feasibility study for the construction of a heat main from the Laziska Power Plant to connect the district heating system of the city of Mikolow.	2018-2019
14.	BUDIMEX	Conducting a feasibility study on the construction of a 500 MW power unit	2013-2019
15.	TAMEH DĄBROWA GÓRNICZA	Feasibility study for the revitalization of the Blachownia Generating Plant in Kędzierzyn Koźle to enable operation for at least 25 years taking into account the requirements of the IED Directive and the BAT Conclusions	2018
16.	PGE ENERGY HEAT	Feasibility study on heat adaptation of units 6 and 8 at Rybnik power plant in combination with the necessary scope of turbine modifications	2018
17.	STEEL MET NONCHAI	Preparation of applications with attachments for the amendment of the study of conditions and directions of spatial development of the city of Ruda Śląska and the Local Spatial Development Plan in Ruda Śląska, as well as the development of a Feasibility Study for the development of a photovoltaic farm with a capacity of up to 100MWe	2018

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
18.	PGE WARSAW	Feasibility study and creation of an optimal business model for carrying out the project of replacement or expansion of district heating sources to co- and tri-generation sources, together with the presentation of the target business model and development of legislative solutions aimed at increasing the profitability of co- and tri-generation	2017-2018
19.	PGE GIEK EL TURÓW	Development of a feasibility study for the task of constructing a backup power supply for 110 kV YOAEA switchgear from unit no. 6 at EL.Turow	2016-2017
20.	AZAKO OPOCZNO	Feasibility study for a 40 kWp ground-mounted photovoltaic installation - AZAKO Opoczno	2016
21.	ENEA KOZIENICE	Development of a feasibility concept for a 545 MWe gas and steam unit	2016
22.	IGR PLATTEN	Development of a feasibility study for the installation of coal and biomass gasification in the process of its high-temperature conversion to gas using a gasification agent	2016
23.	PARAMO	Steam source efficiency feasibility study to adjust cogeneration to lower steam demand	2016
24.	UNIPETROL LITVINOV	Development of an analysis and feasibility study for a selected scenario for optimizing the production of a new heat source at CRC Kralupy	2015-2016
25.	PEC ELBLĄG	Development of a multi-variant technical and economic concept for the construction of a primary heat source for the city of Elbląg and a feasibility study for the selected technology - PEC Elbląg	2015-2016
26.	PGNIG TERMIKA	Feasibility study for the construction of a cogeneration source fired by gas fuel supplied directly by a gas pipeline from the Kościan-Brońsko mine for the purpose of supplying the municipal heating network of the city of Poznań	2014-2015
27.	AZOTY GROUP	Feasibility Study for the Pulawy Power Plant Project for 400 MWe and 250 MWe investment variants.	2014-2015
28.	JSW KOKS	Development of a feasibility study, construction project together with formal and legal proceedings for obtaining a construction permit for the task: "Construction of a coke gas-fired power unit with modernization of the benzol plant at the Radlin Coking Plant ".	2013-2015
29.	UNIPETROL LITVINOV	Development of a feasibility study for a new energy source - Steamcracker Unit (ISBL)	2013-2014
30.	EL. TUROW	Preparation of a multi-variant feasibility study, advice on the selection of technology for the new unit and the selection of its power, preparation of a package of information on the selected construction variant to support the process of organizing financing in the preparation of the investment project for the construction of a 460 MWe lignite-fired power unit at PGE Elektrownia Turów	2010-2014

#### 1.4. Other consulting and advisory work

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	ENERGA COOL	Technical consulting and expert support in the project entitled Construction of a New Heat Source for the City of Ostroleka.	2023-onward

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
2.	CESI MILANO	Provision of consulting services for the development of a pre-feasibility study for the construction of a North-South HVDC link	2023-2024
3.	KGHM LUBIN	Consultancy related to the analysis of the electricity market to prepare a price forecast for energy from renewable sources - onshore wind farms for 2022-2050	2023
4.	GRANT THORNTON	Advising on the preparation of data for the contract for the Provision of Start-up Services for Energa Elektrownia Ostrołęka (EEO B).	2023
5.	EL NUCLEAR	Expert services, for the study and evaluation of site conditions for a nuclear facility in the form of a small modular reactor (SMR) type BWRX-300	2023
6.	EL NUCLEAR	Expert services, for the preparation of a Preliminary Site Plan for two sites of a nuclear facility based on a small modular reactor (SMR) type BWRX-300	2023
7.	ENERGA	Technical and environmental consulting services as part of the sale of selected Energa Group Companies, i.e. ENERGA ELEKTROWNIE OSTROŁĘKA S.A., ENERGA SERWIS SP. Z O.O. and ECARB SP. Z O.O.,	2022-2023
8.	PGE BEŁCHATÓW	Execution of a set of market assumptions for the development of NABE market models for 2022-2050	2022-2023
9.	ENERGA GDAŃSK	Technical consulting services for location pre-screening for an unconventional generation facility	2022- 2023
10.	FORTUM POWER WROCŁAW	Decarbonization of generation units of Fortum Częstochowa - consulting , pre-project works	2021- 2023
11.	TAURON INVESTMENTS	Consulting service consisting in the development of one complete set of documents including a full grant application with annexes for the application to the competition announced by NCBiR "New technologies in the field of energy	2022
12.	JSW KOKS	Preparation of an energy market report and electricity price forecast for 2024-2048 as part of the project "Improving energy efficiency at JSW KOKS SA -Construction of a coke gas-fired power unit at JSW KOKS SA".	2022
13.	RESPECT	Updated price paths and market report for 2022-2041	2022
14.	ZE PAK	Development of an information prospectus for the construction of a 600MWe CCGT unit at Adamow Power Plant.	2022
15.	KGHM	Supplement No. 2 to the Electricity and Property Rights Price Projection for 2023 - 2029.	2022
16.	ENERGOPOMIAR GLIWICE	Technical consulting services for the gas-steam unit	2020-2021
17.	EL TUROW	Independent technical consulting services and preparation of technical opinions - project for the construction of a new power unit at Turów Power Plant	2019-2021
18.	BIOTECH LODZ	Consultancy in the energy sector as part of Orlen Południe's tender for the provision of technical consultancy services in the design process for the implementation of the complete project entitled Construction of a bioethanol plant complex IIG	2019-2021
19.	PKN ORLEN	Provision of Technical Advisory Services in the process of analyzing technical alternatives related to the potential conversion of coal assets of the Ostrołęka C investment to gas assets	2020



N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
20.	IB VOGT SZCZECIN	Technical advice on interpreting the provisions of the connection conditions issued to Energia Słońca, Solar-Pol, Sol Energy and Ostrovi.	2020
21.	PGE DOLNA ODRA	Technical consulting in the preparation of the investment related to the construction of two gas-steam units at the Dolna Odra Power Plant	2018-2020
22.	ORLEN SOUTH TRZEBINIA	Provision of technical consulting services during the implementation of the investment task entitled: Construction of a New Heat Source in turnkey formula in ORLEN Południe S.A..	2017-2020
23.	FENICE POLAND	Providing technical advisory services for the project entitled "Modernization of the FENICE Poland Combined Heat and Power Plant in Rzeszów STAGE I - Modernization of the turbine hall".	2018-2019
24.	ORLEN PROJECT	Technical consulting service in the electrical and automation industries for the project to build a plant for the production of propylene glycol (1,2-MPG) by conversion of 99.5% distilled glycerin	2018-2019
25.	PBG OIL AND GAS	Execution of all formal and legal arrangements, NA, etc. (details attached) for the project: , "Design and comprehensive construction, commissioning, trial operation and commissioning of the kindling oil plant	2017-2019
26.	PKN ORLEN	Technical consultancy for the Construction of a 350-500 MWe Gas Unit in Plock.	2018
27.	ENEA POZNAŃ	Technical consultancy in the project: Harmonization of the incorporation of the Enea CG structure of Engie Energia Polska S.A.	2017-2018
28.	CHAMBER OF EPIOE WARSAW	Provision of technical advisory services in the framework of shaping the optimal support system for high-efficiency cogeneration in Polish conditions	2014

## 2. CONCEPTS, ANALYSES, STUDIES

### 2.1. Programmatic and spatial concepts

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	ZE PAK	Development of a programmatic and spatial concept for a hydrogen refueling station in Warsaw	2021-2022
2.	PV ENERGY 6	Development of a programmatic and spatial concept for a photovoltaic farm	2020-2022
3.	ZE PAK	Development of programmatic and spatial concept of hydrogen refueling station	2020-2022
4.	ORLEN SOUTH TRZEBINIA	Development of variant analysis, programmatic and spatial study of Trzebinia EC Project	2012-2017
5.	ELTUR SERVICE	Programmatic and spatial concept of the construction of technological flyovers with the transport system of gypsum	2017
6.	ENERGA GDAŃSK	Development of a program and spatial concept for the construction of the "Ostrołęka C" Power Plant with a capacity of about 1000 MWe	2010-2017

### 2.2. Concepts, technical analysis, technical-economic analysis

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	NCBIR	A plan to decarbonize the utility power industry through modernization with nuclear reactors.	2021-still
2.	TAURON MANUFACTURING	Development of a concept for modernization of the de-irrigation system of the 910MW Unit - New Jaworzno Power Plant	2023-2024
3.	VEOLIA ENERGIA	Analysis covering the issue of excessive vibrations of the gas path for a 2 x 22 MW gas boiler plant on Kopanina Street in Poznań.	2023-2024
4.	EL NEW JAWORZNO	Carry out an analysis of the causes of cracking of the support structure in the region of the LCL10BB501 expander, together with the identification of remedial measures	2023-2024
5.	SUMITOMO W-WA	Preparation of pre-bids and analysis for the conceptual phase of the bid for the project for the comprehensive reconstruction of the existing CFB boiler plant including all necessary equipment	2023-2024
6.	VEOLIA LODZ	Performing an analysis of the dispersion of substances emitted into the air for the EC-4 installation in Lodz with a new emission source in the form of a generator according to the variants specified by Veolia Energia Lodz S.A.	2023-2024
7.	KGHM	Preparation of a supplement to the report titled: Electricity market analysis for renewable energy price forecasts for 2022-2050?	2023
8.	ENEA ELKOGAZ	Development of a concept for the development of gas-steam units in the Greenfield formula for the project entitled Restoration of generating capacity of 200MW class coal-fired units at Koziencice Power Plant based on fuel combustion technology	2023
9.	LECZNA ENERGETICS	Development of a technical and economic concept for the installation of heat recovery from mine water and directing it to the district heating system	2023

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
10.	PWC ADVISORY	Develop a set of market assumptions for the Polish electricity market and NABE market models for 2022-2032 or 2022-2050	2023
11.	PGG KATOWICE	Prepare a report on an expert forecast of hard coal prices from 2023 to 2049 in one market scenario	2023
12.	ENERGOTHERM DEVELOP	Perform seismic analysis for the existing foundation of turboset No.2 at Yatagan/Turkey Power Plant	2022-2023
13.	CEECONEV	Development of an analysis on the impact of changes to the Construction Project on the Environmental Decision issued for the project entitled: "Assembly and Change" within the framework of the construction of a Glassworks with Energy Recovery Plant in Kamionka.	2022-2023
14.	SIARKOPOL STASZOW	Development of a concept for supplying power utilities to new sulfur mining sites in Baranow Sandomierski	2022
15.	ENEA NEW ENERGY	Updated concept for the construction of an RDF and biomass-fired power unit construction of the Thermal Waste Conversion Plant at the Swierże Górne location	2022
16.	TAURON MANUFACTURING	Concept for the construction of a new raw water supply system for the main cooling system of Jaworzno Power Plant Branch - Power Plant II and Power Plant III, as well as planned investment projects at TAURON Wytwarzanie S.A.	2022
17.	JSW KOKS	Preparation of a cost analysis and execution schedule for the turnkey construction of a Steam Heat Plant at the Radlin Coking Plant site	2022
18.	VEOLIA LODZ	Carry out a new air dispersion analysis for the coal-based operation variant and the variant under procedure for K6 or K9 co-firing biomass	2022
19.	TAURON HEAT	Development of a technical and economic analysis of the possibility of reconstruction of the heat derivation system of the BCF 100 for heat supply of the Silesian agglomeration from ZW Katowice with an inoperative steam turbine	2022
20.	ENEA NEW ENERGY	Analysis of the possibility of locating sources of electricity generation	2021-2022
21.	JSW KOKS	Execution of a variant cost and time analysis for the completion of construction in connection with the implementation of the investment project entitled Improving energy efficiency at JSW KOKS S.A. - "Construction of a coke gas-fired power unit".	2021-2022
22.	PKP ENERGETYKA	Technical and economic analysis of the possibility of cooperation of energy storage with other distribution activities of PKPEnergetyka on the example of four Traction Substations	2021-2022
23.	ATENDE WARSAW	Implementation of a pre-commercial procurement within the framework of the project: "Combined heat and power plant in the local energy system".	2021-2022
24.	GE POWER ŁÓDŹ	Evaluation of the technical condition of the existing Turbine Hall in terms of the possibility of installing technological equipment and installations related to the extension of TG1 70 MWE at EC Orlen S.A. Plock	2020-2022
25.	EC BĘDZIN	Development of a report on the electricity energy industry in Poland, including the preparation of a forecast of electricity prices for 2021-2040	2021

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
26.	ENERGOSERWIS KLESZCZÓW	Performing a technical analysis of connecting a 50MW photovoltaic farm to the 110kV grid at the 110/15kV GPZ Zlobnica substation and determining the impact on the operation of the NPS power system	2021
27.	POLIMEX MOSTOSTAL	Conducting an analysis of the operation of the 100 MWe power unit under construction in a dual-fuel system, i.e. coal a mixture of coal and gas and gas at the Pulawy Nitrogen Plant	2020-2021
28.	PFEIFER&LANGEN WEDNESDAY	To carry out a conceptual design for the modernization of existing thermal power plants at three plants located in Greater Poland: Cukrownia Środa, Cukrownia Gostyń and Cukrownia Miejska Górk.	2020-2021
29.	KPMG WARSAW	Provide market analysis and technical support as part of financial consulting for the preparation of a financial model for the transformation of electric power companies in which the Treasury holds shares	2020-2021
30.	TAURON POLSKA ENERGIA	Implementation of a preliminary concept of a pilot system for the production and refueling of hydrogen	2020
31.	GOOD ENERGY	Technical advice. For an opinion on the requirements related to the new BAT Directive for the management of the combustible fraction from municipal waste by thermal treatment (ITPO) with energy recovery	2020
32.	PGE DISTRIBUTION LUBLIN	Preparation of a methodology for calculating final energy savings when changing MV infrastructure from overhead to cable.	2020
33.	KHK KRAKÓW	Issuing an opinion on the forecast of investment expenditures and operating costs for the Skawina Power Plant until 2028 Development of a multi-discipline, preliminary concept for the construction of a new electric power plant in Skawina	2020
34.	PGE GIEK	Analysis to make the gas and steam units under construction technically independent of the existing infrastructure for the Lower Oder Power Plant Complex	2020
35.	EL OSTROŁĘKA	Performance of analyses in connection with the issuance of an order to suspend work for the construction of the Ostrołęka C power plant with a capacity of about 1,000 MW."	2020
36.	TAURON POLSKA ENERGIA	Implementation of a preliminary concept of a pilot system for the production and refueling of hydrogen	2020
37.	GE POWER WARSAW	Verification of the static-strength analysis, connection calculations, shop and assembly drawings for the complete steel structure of the boiler house building	2019-2020
38.	JSW KOKS	Development of a concept for the installation of desulphurization of flue gases discharged from EC Radlin planned for construction and preparation of the technical-technological part of the ToR for the installation of flue gas desulphurization for the new power unit	2019-2020
39.	ENEA KOZIENICE	The concept of using the existing infrastructure for the purpose of reconstruction of the generating capacity of the 200 MWe class units at Koziences Power Plant- preparation of an active technical and economic model based on exemplary data and assumptions	2019-2020
40.	ENEA OPERATOR	Concept of operation of the 110 kV EHV transmission and distribution network as a closed network for North-Western Poland until 2030	2018-2020

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
41.	ENERGA GDAŃSK	Audit of documents prepared for the construction of El. Ostrołęka C with a capacity of 1000 MWe	2015-2020
42.	AZOTY GROUP PULAWY	Development of an expert opinion on the construction of the supporting structure and foundations of boilers 1 and 2, together with the boiler house building within these boilers, as part of the task "Modernization of steam boiler OP-215 No. 2 to reduce NOx emissions"	2019
43.	CMS WARSAW	Preparation of a technical analysis in the form of an input to a red-flag report on the determination of environmental conditions for the implementation of the project, consisting of the construction of a Thermal Waste Conversion Facility	2019
44.	ENEA POŁANIEC	Development of a two-variant concept for the development of a new ash retention tank at El. Połaniec in the technological and construction industry	2019
45.	ENEA POŁANIEC	Development of a concept, including a description of competence requirements and basic assumptions, for the establishment of a new organizational unit to carry out asset maintenance tasks at ENEA Power Plant	2019
46.	ORLEN PROJECT PŁOCK	Verification and issuance of an opinion regarding the study prepared by ORLEN Projekt S.A., including a description of the scope, cost and timing of works necessary to be carried out in order to complete the investment titled "Construction and start-up of a solvent deoiling installation for paraffin wax slack wax, together with auxiliary installations for the Company POLWAX S.A."	2019
47.	ENEA KOZIENICE	Development of conceptual design of RDF-fired power unit at Swierże Górne location	2019
48.	ENEA RESEARCH	Execution of concepts, studies, reports and projects in the process of carrying out research and development work on the possibility of constructing a 500 MWe class gas-steam unit with pure coal technology - IGCC and providing technical consulting services	2018-2019
49.	RAFAKO	Development of a concept defining an innovative way to meet the requirements of the "Blocks 200+" Program in the field of high-pressure pipelines connecting the boiler to the turbine	2018-2019
50.	ZE PAK	Development of documentation titled "Adaptation of coal boiler K-7 at Konin Power Plant for exclusive biomass combustion together with necessary technical infrastructure"- development of concept of technical solutions optimizing the separation of a new biomass unit	2018-2019
51.	LECZNA ENERGETICS	Development of a two-variant concept for new district heating capacity for "Łęczyńska Energetyka" Spółka z o. o. in Bogdanka	2018-2019
52.	ANWIL WLOCLAWEK	Concept for expansion of ANWIL S.A.'s distribution network.	2018-2019
53.	ENERGOTECHNIKA GLIWICE	Development of a technical concept and preparation of the ToR for the task titled "Heat supply of El. Łagisza by modernization of 460 MW turbine for heating purposes, construction of a heating station connected to the existing network and construction of peak load boilers".	2017-2019
54.	TAURON DISTRIBUTION WROCLAW	Concept of operation of the 110kV EHV transmission and distribution network as a closed network in the area of TAURON Dystrybucja S.A. operations until 2030.	2017-2019

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
55.	TAURON NEW JAWORZNO	Providing expert services, consulting services, performing analyses for the turbine part of the unit, backup power supply of the unit, coordination with the system operator, realization of realization of protection of the unit, backup transformer, protection of 400 kV block line and 220 kV backup power supply, control supervision, coordination of protection, signaling, communication of the turbine island and power derivation facilities of the unit	2015-2019
56.	PGE GIEK SA	Analysis of the possibility of deriving new power from the Turów Power Plant Branch in the light of future network conditions.	2018
57.	CEZ SKAWINA	Technical and economic analysis of variants of power restoration at CEZ Skawina	2018
58.	TAURON MANUFACTURING	Construction of a new heat reserve source in EC Stalowa Wola- development of an analysis confirming the accepted assumptions of the construction project and the ToR	2017-2018
59.	TAURON DISTRIBUTION	Concept of development of the medium voltage distribution network in the perspective of 2025 in the area of the Jelenia Góra Region	2017-2018
60.	EMAG KATOWICE	<p>Technical analysis EMAG Katowice</p> <ul style="list-style-type: none"> <li>• Technical analysis and animation of the installation in the proposed location</li> <li>• Analysis of the possibility of deriving and consuming power from the analyzed object</li> <li>• Determination of the useful capacity that can be used as water reservoirs, together with an analysis of the possibility of their location</li> </ul>	2017-2018
61.	PGE GIEK	Development of the Technical and Economic Concept for the task: "Construction facilities- marking of aerial obstructions of the existing infrastructure at Turów Power Plant".	2017
62.	ENEA RESEARCH	Construction of IGCC unit- development of KIP and water point optimization analysis for the project	2017
63.	CEZ SKAWINA	Preliminary concept for the construction of a new heat source (without cogeneration) in Konin	2017
64.	PROVISIONAL GMINA	Technical and economic analysis of the hybrid power plant consisting of a set of wind power plants and a biomass-fuelled generating unit in the town of Przyrów	2017
65.	FAMEG	Development of a technical and economic concept for the construction of a new heating plant at the Fameg Sp. z o.o. site.	2017
66.	EL DOLNA ODRA	Development of an analysis of the possibility of power output from the Lower Oder Power Plant in the light of network conditions	2017
67.	TAMEH DĄBROWA GÓRNICZA	Multi-variant technical and economic concept of utilization of coke-oven gas produced by Zdzeszowice Coking Plant, through revitalization and/or development of production assets of Blachownia Generating Plant and/or combined heat and power plant within Zdzeszowice Coking Plant and/or construction of new units capable of utilizing this gas	2017
68.	FENICE POLAND	Concept for modernization of the FENICE Poland Sp. z o.o. thermal power plant in Rzeszów in the light of legal and technological requirements	2017

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
69.	SCHUMACHER BYDGOSZCZ	Development of a cost-technical analysis for supplying the rebuilt paper machine with process steam, CO heat and electricity at the Myszków location	2017
70.	PGE ENERGY HEAT	Concept for construction of 100MWt district heating capacity El. Rybnik	2017
71.	EC NOWA SARZYNA	Technical opinion for the task: "Analysis of the possibility of operation of the Nowa Sarzyna Combined Heat and Power Plant after 2020".	2016-2017
72.	BIOELECTRA GROUP	Carrying out a multi-variant analysis of the thermal utilization of the biomass created by Bioelektra technology from mixed municipal waste	2016-2017
73.	WSE KATOWICE	Carrying out a technical and economic analysis of the legitimacy of the construction of energy sources with photovoltaic technology for four locations in the Upper Silesian Water Supply Company.	2016
74.	CEZ SKAWINA	Development of the most technically and economically advantageous variant for reconstruction of heating power in CEZ Skawina <ul style="list-style-type: none"> <li>· heat market analysis</li> <li>· electricity market analysis</li> <li>· electricity price forecast</li> </ul>	2016
75.	ARCELOR MITTAL DĄBROWA GÓRNICZA	Analysis of 110kV power grid and determination of technical conditions for ring operation in AMP/DG	2016
76.	EL PUŁAWY	Development of a concept for the derivation of electrical power from BGP and execution of an update of the Construction Project for the construction of the Pulawy Power Plant	2015-2016
77.	UNIPETROL LITVINOV	Conducting a feasibility study to optimize the production of a new heat source at CRC Kralupy	2015-2016
78.	RAFAKO	Carrying out an analysis verifying the safety of the design presented by the Ordering Party in the design documentation for the SCR at Połaniec S.A. Power Plant. GDF Suez Energia Poland Group, consisting in the identification of minimum design changes leading to structural safety of two reactor types	2015-2016
79.	TAURON MANUFACTURING	Development of technical and economic scenario analyses for the project of adjustment of generating units in Tauron Wytwarzanie to the BAT conclusions in relation to the requirements of safe operation of the national power system	2015-2016
80.	EL TUROW	Variant technical and economic analysis of the feasibility of supplying a new heat exchanger	2014-2016
81.	EC NOWA SARZYNA	Development of a concept concerning the possibility of using thermal energy at the "Organika-Sarzyna" Chemical Plant S.A. supplied from the Nowa Sarzyna Combined Heat and Power Plant Sp. z o.o. in Organika's newly implemented investments.	2014-2015
82.	ZGH BOLESŁAW BUKOWNO	Update of the "Concept for the construction of a source of energy and heat - Power plant with two engines with a capacity of about 10MWe each" for the Mining and Metallurgical Plant "Boleslaw" S.A.	2014-2015
83.	MICHELIN OLSZTYN	Preparation of a preliminary concept for the modernization of a coal and gas heating plant with consideration of environmental solutions for the Michelin tire factory in Olsztyn	2014

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
84.	WARTSILA GDANSK	Carrying out a comparative analysis for cogeneration installations fired with GZ50 gas fuel realized on the basis of gas engines or turbines for an investment located in Poland	2014
85.	TAURON MANUFACTURING	Development of concept and basic technical assumptions for the task entitled: "Modernization of Water Demineralization Station at Tauron Wytwarzanie SA Stalowa Wola Power Plant in Stalowa Wola".	2014
86.	PWIK RYBNIK	Multi-discipline concept of modernization of the mechanical and biological part of the sewage treatment plant in Rybnik - Orzepowice	2013-2014
87.	SCHUMACHER GRUDZIĄDZ	Preliminary multi-variant technical and economic analysis of construction of own source of heat and electricity	2013-2014



### 3. RENEWABLE ENERGY SOURCES

#### 3.1. Wind energy

N.	INVESTOR	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	HITACHI ENERGY	Rotation of the Basic Design (FEED), detailed designs, as-built documentation and all necessary ONS station analyses for the Baltic II SHPP project	2022-onward
2.	HITACHI ENERGY	Rotation of the Basic Design (FEED), detailed designs, as-built documentation and all necessary ONS station analyses for the Baltic III SHPP project	2022 - continued
3.	EW BALTICA II	Acting as Contract Engineer for the implementation of the project for the construction of the onshore connection (line and station part) for the offshore wind farm Baltica-2	2022-still
4.	ENPROM	Network analysis of power distributions for an Offshore Wind Farm with a capacity of over 950MW.	2023-2024
5.	RWE OFFSHORE WIND	Thermal impact assessment of the proposed cable line for the Environmental Impact Assessment Report for transmission infrastructure.	2022
6.	ELECTRUM BIAŁYSTOK	Development of multi-discipline detailed designs for the construction of GPO Bięcino 2 substation along with road infrastructure and foundations for Wind Power Plants at Bięcino 2 and Waliszewo Farms - Development of a replacement construction design necessary to obtain a replacement construction permit in the scope of the execution of the updated construction design	2021-2022
7.	HORIZONS	Participation in the preparation of a permit for the erection and use of artificial islands, structures and equipment in the field related to the transmission of electricity to land - Offshore Wind Farms in the Baltic.	2020-2021
8.	BALTIC WARSAW	Providing technical consulting services to the Contracting Authority for the project entitled: "A complex of offshore wind farms with a maximum total capacity of 1,200 MW, as well as technical, measurement, research and service infrastructure".	2019-2021

#### 3.2. Hydrogen systems

N.	INVESTOR	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	PAK-PCE H2 STATIONS	Designs for a hydrogen discharge measurement system for a hydrogen refueling station in Rybnik.	2023 - continued
2.	ZE PAK SA	Design of a hydrogen refueling station located in the city of Warsaw along with obtaining all administrative permits	2021-onward
3.	PLUS FLOTA	Preparation of the design documentation required to apply for a construction permit, together with the necessary agreements and obtaining the required documents for the Hydrogen Refueling Station	2022-still
4.	ZE PAK SA	Development of a demonstrator design for a project of autonomous power and heat supply for a single-family house, based on its own renewable energy sources using hydrogen as a storage and energy carrier	2022-onward

N.	INVESTOR	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
5.	PAK-PCE H2 STATIONS	Execution of designs and obtaining a construction permit for six hydrogen refueling stations in: Gdansk, Gdynia, Wroclaw, Lublin, Rybnik, Warsaw Port Praski	2022-onward
6.	PAK-PCE	Acting as an integrator of control algorithms for the project Construction of a hydrogen plant with accompanying infrastructure on the site of the Konin power plant".	2022-onward
7.	HILL INT.	Contract engineer services- Hydrogen project in Silesia province	2023-2024
8.	PAK-PCE H2 STATIONS	Conducting location analyses for planned hydrogen refueling stations	2023
9.	PAK-PCE	Preparation of design documentation for Hydrogen Generating Plant with a capacity of 1000 Nm <sup>3</sup> /h based on HyLYZER500 series electrolyzers	2022-2023
10.	ZE PAK SA	Designing a hydrogen refueling station, including obtaining all administrative permits.	2022
11.	ZE PAK SA	Design of a 50MW hydrogen plant with associated infrastructure on the premises of El.Konin together with obtaining all administrative permits	2022
12.	TAURON POLSKA ENERGIA	Implementation of a preliminary concept of a pilot system for the production and refueling of hydrogen	2020
13.	EP K-CE	Implementation of hydrogen economy at the local level in the Pszczyna Municipality	2020
14.	ZE PAK	Development of a concept for hydrogen production at Konin Power Plant	2019

### 3.3. Photovoltaic Power Plants and Energy Storage Facilities

N.	INVESTOR	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
15.	POENERGIA	Development of the technical design for the connection of the PV installation in terms of: modernization of the existing sn/nn transformer station, adjustment of the metering and billing system, design of secondary circuits and selection of settings for the field controller	2023-onward
16.	ENERGOSERWIS KLESZCZÓW	Carrying out a technical analysis on the basis of which an opinion will be drawn up on the construction of a photovoltaic installation under the 110kV line.	2023-onward
17.	WZI POZNAŃ	Construction of photovoltaic installations in the area of the 33rd BLtr. Powidz.	2023-onward
18.	IB VOGT ZIĘBICE	Exercise of author's supervision for the 32.5 MW photovoltaic farm Project.	2023
19.	AMW SINEVIA	Cooperation on green energy projects for the military	2022-2023
20.	SOLAR-POL ZAMOSC	Exercise of author's supervision for Construction Projects of photovoltaic farms.	2022-2023
21.	MPEC KRAKÓW	Development of a technical concept for the construction of a 40MW photovoltaic farm with the necessary technical infrastructure on the grounds of a closed furnace waste dump	2022-2023

N.	INVESTOR	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
22.	IB VOGT SZCZECIN	Development of two construction projects, a multi-discipline detailed design and an as-built design for a 32.5MWp photovoltaic farm.	2020-2023
23.	TD ENERGO	Analysis of the power connection used to transmit energy produced by a 30-45 MW photovoltaic power plant located in Strzałkowo, Stupsk municipality to the GPZ station in Grudusk.	2022
24.	OSTROVIA ZAMOSC	Exercise of author's supervision for the Construction Project of a photovoltaic farm	2022
25.	SOLAR ENERGY ZAMOSC	Exercise of author's supervision for the Construction Project of a photovoltaic farm	2022
26.	PKP ENERGETKA	Technical and economic analysis of the possibility of cooperation of energy storage with other distribution activities of PKPEnergetyka, using four Traction Substations as an example.	2021- 2022
27.	LUCENT DUBLIN	Consulting and design services with technical support for 20 MWp photovoltaic power plant construction projects	2020-2022
28.	SI POWER WARSAW	Preparation of the technical charge for the construction project of the replacement power output of the photovoltaic (PV) farm Bielice	2021
29.	ENERGOSERVIS TICK	Carrying out a technical analysis of connecting a 50MW photovoltaic farm to the 110kV grid at the 110/15kV GPZ Zlobnica substation and determining the impact on the operation of the NPS power system.	2021
30.	MARTIFER KRAKOW	Development of a report for the prospect of increasing the power with an additional element of PV type generation module to GPO Wróblak Królewski.	2021
31.	ENERGOSERVICE TICK	Development of the detailed documentation for the task entitled "Foundation and construction of the connection of the Electricity Storage Facility at PGE GiEK S.A. Bełchatów Power Plant Branch".	2021
32.	PV ENERGY 6	Development of a programmatic and spatial concept and construction design, together with support in obtaining the necessary administrative decisions for a photovoltaic farm	2020-2021
33.	ZE PAK SA	Acting as the author's supervisor in connection with the implementation of the investment task entitled "Energy transformation in the region - construction of a photovoltaic farm on reclaimed land of the Adamów mine with a capacity of 70 MWp.	2020-2021
34.	POLPHARMA STAROGARD	Multi-discipline Concept for a 2MW photovoltaic farm on the Employer's land in Starogard Gdanski	2020-2021
35.	IB VOGT SZCZECIN	Technical analysis of the possibility of connecting a photovoltaic farm located in southeastern Poland to the NPS	2020
36.	IB VOGT BERLIN	Development of 4 Construction Projects for photovoltaic farms with a total capacity of ~1000MW.	2020
37.	ENERGOPOL-TRADE	Consulting on the implementation of a photovoltaic farm	2020
38.	ZE PAK	Development of the technical part of the tender for the construction of a 70MWp photovoltaic farm located in the area of Janiszew.	2019-2020
39.	ZE PAK	Development of a construction project for a photovoltaic farm with a capacity of about 70 MW located on reclaimed land of the Adamów mine.	2019-2020

N.	INVESTOR	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
40.	STEEL MET NONCHAI	Preparation of applications with attachments for the amendment of the study of conditions and directions of spatial development of the city of Ruda Śląska and the Local Spatial Development Plan in Ruda Śląska, as well as the development of a Feasibility Study for the development of a photovoltaic farm with a capacity of up to 100MWe	2018
41.	PHOTOZE CHERRY	Development of a Construction Project for a PV farm with a capacity of approximately 1 MWp.	2016-2018
42.	EPCONSTRUCTION	Economic analysis of a photovoltaic and biogas plant for the Żywiec Group, together with the development of a feasibility study for a biogas plant powered by waste from the Żywiec Brewery  Feasibility study of photovoltaic power plants on plots of land indicated by the investor, commissioned by the Żywiec Group · valuation of capital expenditures economic analysis with the calculation of investment profitability indicators	2017
43.	WSE KATOWICE	Re-designing the documentation of a 144 kW photovoltaic installation at the facility of the Upper Silesian Water Supply Company - SUW Maczki in Sosnowiec	2017
44.	WSE KATOWICE	Carrying out a technical and economic analysis of the legitimacy of the construction of energy sources with photovoltaic technology for four locations in the Upper Silesian Water Supply Company.	2016
45.	PKN ORLEN	Preparation of technical ToR and support during selection of contractor for development of solar panels at 25 PKN Orlen gas stations	2015

### 3.4. Biomass

N.	INVESTOR	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	EPCONSTRUCTION	Implementation of design work in the mechanical industry related to the development of a biomass-fired steam boiler plant at the Paged Pisz plant.	2022-2024
2.	VEOLIA LODZ	Development of an application to amend the integrated permit for EC3 Veolia Lodz with regard to the restoration of biomass co-firing in boiler K3 and other housekeeping changes	2021
3.	CALBIYIK GROUP	Engineering services for a 14.5 MW biomass unit in Kuzorenemirler, Turkey.	2018-2020
4.	CALBIYIK GROUP	Engineering services for a 14.5 MW biomass unit in Kuzorenemirler, Turkey	2018-2020
5.	ZE PAK	Development of a construction project together with a fire expertise and the ToR for the modernization of the electrostatic precipitator and DCS with facility equipment for the project entitled "Adaptation of the coal boiler K-7 for exclusive combustion of biomass in Konin Power Plant".	2019
6.	ENEA TRADING	Advising on the selection of the optimal level of the fine fraction content limit parameter in wood biomass in the form of coarse chips and the level of quality discounts if they are exceeded, as well as the system for calculating these discounts, estimating the market value of the transfer of biomass in the form of coarse chips to separate the chips from the fine fraction	2019

N.	INVESTOR	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
7.	ZGC ANKARA	Author's supervision- over the implementation of the project for the construction of a 14.5 Mwe biomass unit	2016-2018
8.	DOOSAN BABCOCK	Development of documentation and author's supervision for the order entitled: "Installation of biomass feeding to boilers of units 5-8 with omission of coal mills in Rybnik Power Plant S.A. - BiOMAX 2"	2011-2015
9.	EMERSON	Design documentation for the electrical part for the conversion of a coal-fired power plant to a biomass-fired power plant-Provence 4, Gardanne, France	2013-2014

### 3.5. Other

N.	INVESTOR	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	KGHM LUBIN	Cooperation in the development of RES projects at KGHM	2023-2024
2.	PEC ELBLĄG	Development of the documents necessary to apply for a Decision on Environmental Conditions, which will be used to obtain a Public Purpose Location Decision for RES heat sources.	2023
3.	KELVION OPOLE	Analysis of the carbon footprint of Kelvion Ltd.	2023
4.	FEROX	Preparation of project documentation for the Investment entitled: "Construction of a high-efficiency cogeneration plant based on a gas engine for Schumacher Packaging	2022-2023
5.	JTC BĘDZIN	Execution of Control and Measurement Instruments and Automation works within the framework of the program of comprehensive restoration modernization of the upper reservoir GRI2 - Porąbka Żar Peak and Pumped Storage Power Plant in the scope of: basic design, detailed design, as-built design, to	2022-2023
6.	ENEA NEW ENERGY	Determination of locations for five ESPs optimal from the point of view of local spatial conditions for the development of a technological system with the highest possible parameters in terms of electricity production	2022
7.	OX2 AB STOCKHOLM	Advice and technical analysis in the construction of oze and connection to the electricity grid	2021
8.	SBB ENERGY	Execution of project documentation for the Investment Project entitled: "Execution of engineering works, deliveries and construction works and commissioning of flue gas denitrification installation with SCR technology for boilers K1, K2 and K3 at International Paper Kwidzyn	2016-2017
9.	BIOELECTRA GROUP	Carrying out a multi-variant analysis of the thermal utilization of the biomass created by Bioelektra technology from mixed municipal waste	2016

## 4. DESIGN WORK

### 4.1. General Project Implementation, Provision of Author's Supervision, Contract Engineer

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	REKO CIESZYN	Implementation of automation and visualization for the new cooling tower at JSW Pniówek mine site	2023-onward
2.	SBB ENERGY	Acting as General Designer for the investment project entitled Development of high-efficiency cogeneration through construction of a biomass boiler unit at the Łąkowa Heat and Power Plant in Grudziądz	2022-still
3.	EW BALTICA II	Acting as Contract Engineer for the implementation of the project for the construction of the onshore connection (line and station part) for the offshore wind farm Baltica-2	2022-still
4.	EW BALTICA II	Acting as Contract Engineer for the implementation of the project for the construction of an onshore connection (line and station part) for the offshore wind farm Baltica-2 (Part 1 - EWB2) Procedure no: POST/BAL/CEO/BZ/00011/2022	2022-still
5.	CLEVEREN HOLDING	Acting as Contract Engineer for the project "Construction of CCGT gas and steam unit".	2022-still
6.	PKP ENERGETYKA	Provision of services in the form of implementation of projects and author's supervision for individual facilities and equipment of electric power infrastructure as part of the implementation of the Investment by the Employer.	2020-continued
7.	AIR SPORT	Implementation of supply, installation and commissioning of the control system for the task "Construction of hypoxia installation in Jakuszyce".	2023-2024
8.	HILL INTERNATIONAL	Contract engineer services- Hydrogen project in Silesia province	2023-2024
9.	IB VOGT	Exercise of author's supervision for the 32.5 MW photovoltaic farm Project.	2023
10.	ELTUR-SERWIS	Performing author's supervision within the scope of the task entitled: "Construction of Carburization Facilities of the New Block in PGE GiEK S.A. Turów Power Plant" in Bogatynia.	2022-2023
11.	TAURON HEAT	Provision of author's supervision during the implementation of the investment named: "Reconstruction of generation capacity of ZW Katowice source adequately for the needs of the heat market and BAT requirements".	2017-2023
12.	ENERGOMONTAGE	Author's supervision on the construction of a cogeneration power plant at the Nowa Coking Plant in Częstochowa	2013-2023
13.	MONDI WORLD	Provision of project management services under the investment task: Construction of oil and gas boilers" (development of four boilers of 50 t/h steam each with associated infrastructure - reserve boiler house)-Mondi Świecie	2019-2022
14.	PKP ENERGETYKA	Development of project documentation together with obtaining relevant permits, approvals, agreements and author's supervision for PT Gdańsk Wrzeszcz	2019-2022
15.	SYNTHOS DWORY	Provision of Contract Engineer services for the investment: "Construction of a gas-steam unit at Synthos Dwory 7".	2018-2022
16.	ZE PAK	Providing author's supervision during the implementation of the investment task entitled "Energy transformation in the region construction of a photovoltaic farm on reclaimed mine sites".	2021

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
17.	MESSER POLSMEKA CHORZOW	Implementation of supply, installation and commissioning of the control system for the task "Construction of the hypoxia installation at COS in Spale	2021
18.	AIR SPORT	Implementation of supply, installation and commissioning of the control system for the task "Construction of the hypoxia installation at COS in Spale	2021
19.	ZE PAK SA	Acting as the author's supervisor in connection with the implementation of the investment task entitled "Energy transformation in the region - construction of a photovoltaic farm on reclaimed land of the Adamów mine with a capacity of 70 MWp.	2020-2021
20.	POLWAX	Exercise of investor's supervision of the investment titled: "Completion of construction and start-up of solvent deoiling installation of paraffin wax quenches together with auxiliary installations for the Company POLWAX S.A. in the turnkey design and build system".	2019-2021
21.	POLIMEX ENERGETICS	Execution of design work and author's supervision for the Ordering Party's implementation of the project "Construction of heat accumulation system in EC Karolin".	2019-2021
22.	TAURON HEAT	Modernization of heat metering systems of district heating buses at the Tychy Generation Plant (GRI)	2020
1.	SYNTHOS DWORY OŚWIĘCIM	Contract Engineer services for the new 110kV switchyard at Synthos Dwory 7	2019-2020
23.	AIR SPORT	Comprehensive implementation of the control system for the expansion of the hypoxia plant at COS in Zakopane (GRI)	2019-2020
24.	HELI FACTOR	Execution of design services and author's supervision for the investment task "Design and construction of typical railroad stations in IDS A and IDS B versions for 20 sites	2018-2020
25.	CONTROLTEC WROCŁAW	Comprehensive execution of works and deliveries related to the implementation of the control of the HVAC system on the steam and gas block in EC Stalowa Wola (GRI)	2018- 2020
26.	WSE KATOWICE	Author's supervision over the realization of the investment task "Installation of a solar electric system on the object of the WSE S.A. SUW Maczki in Sosnowiec based on photovoltaic panels as a source of power supply for supply system facilities".	2018- 2020
2.	CPOWER TBILISI	Acting as project engineer during the construction of 300 MW unit 10 at Gardabani power plant in Georgia - Georgian Industry Group (GIG)	2016-2020
27.	ELTUR SERVICE	Execution of project documentation for the investment task entitled "Construction of technological flyovers with the gypsum transport system", performance of author's supervision and transfer of copyrights to the project documentation".	2019
28.	PGE BEŁCHATÓW	Updating the documentation and performing author's supervision over the realization of the investment task entitled" Installation of the 90 MWt district heating exchanger on block no. 4" in Turów Power Plant.	2017-2018
29.	EL BEŁCHATÓW	Providing author's supervision services for the construction of the ash transport and suspension generation and transport system for 858MW unit and participation in the start-up of the system	2017-2018
30.	ZGC ANKARA	Author's supervision over the implementation of the construction of the 14.5 Mwe biomass unit	2016-2018

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
31.	VALMET GLIWICE	Supply of the control system for the turbine, measuring apparatus with the necessary cabling, including spare parts necessary for commissioning and 3 years of operation (GRI)	2015-2016
32.	OMEGA GŁOGÓW	Comprehensive execution of AKPIA installation for the task: "Flue gas desulphurization installation of WR40 TC boiler of EC Tychy" (GRI).	2015-2016
33.	ELECTROBUDOWA KATOWICE	Comprehensive engineering services and author's supervision for the investment titled "Construction of a new district heating unit with a fluidized bed boiler, heat and condensing turbine about 50 60 MWe, along with associated economies at Tauron Ciepło Sp z o.o.- Zakład Wytwarzania Tychy".	2013-2016
34.	OMEGA GŁOGÓW	Supply, installation and commissioning of instrumentation and control equipment for FGD installation at SEJ S.A. - EC Zofiówka (GRI)	2015
35.	ENERGOINSTAL	Comprehensive execution of instrumentation and control equipment works within the framework of the implementation of the task "Construction of a CFB cogeneration unit with a gross installed capacity of 75 Mwe in EC Zofiówka".	2014-2015
36.	ELTRANS CHORZOW	Comprehensive execution of the automation system for the task entitled "Construction of the second stage of the compressed air generation system in EC Pniówek" (GRI).	2014-2015
37.	OMEGA GŁOGÓW	Implementation of supply, installation and commissioning of instrumentation and control equipment for FGD installation of water boilers in EC Pniówek (GRI)	2014-2015
38.	DPMTECH	Comprehensive turnkey execution of the automation system for the construction of the cooling water connection for the new compressor station at ZEC Pniówek- Stage II executed by Spółka Energetyczna Jastrzębie S.A. (GRI)	2014-2015
39.	SE JASTRZĘBIE-PGNIG TERMIKA	Author's supervision over the realization of works connected with the task "Construction of the second stage of the compressed air generation system at the Pniówek Combined Heat and Power Plant".	2014-2015
40.	PGE GIEK SA	Author's supervision for the task entitled "Changing the method of storage of combustion waste at the Lubien landfill in the target system - suspension".	2012-2015
41.	OMEGA GŁOGÓW	Turnkey realization of AKPIA part in the construction of Flue Gas Desulfurization Installation in the Heat Plant on the territory of "Krasnystaw Sugar Factory" (GRI)	2014

#### 4.2. Construction projects, building permit applications

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	PAK-PCE	Agreeing on the final input data for the development of the Construction Project for the Hydrogen Generating Plant with a capacity of 1,000 Nm <sup>3</sup> /h based on HyLYZER500 series electrolyzers.	2022-still
2.	PAK-PCE H2 STATIONS	Obtaining a construction permit for six hydrogen refueling stations in: Gdansk, Gdynia, Wroclaw, Lublin, Rybnik, Warsaw Port Praski	2022-still



N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
3.	SBB ENERGY	Preparation of a concept to prepare input material for obtaining a decision on land development conditions and defining the scope of the construction project for the investment project entitled Development of high-efficiency co-generation through the construction of a biomass boiler unit at the Łąkowa CHP Plant in Grudziądz.	2022-still
4.	POLIMEX MOSTOSTAL	Development of a Construction Project and obtaining a building permit as part of comprehensive design works for the investment "Construction of a gas-steam unit in Rybnik".	2022-still
5.	CARPENTERS' NORMBUD	Construction design for fire network upgrades at alcohols and aldehydes facilities at the Oxoplast Business Unit.	2019- still
6.	POLIMEX MOSTOSTAL	Development of the Construction Design for two gas-steam units at PGE GiEK S.A. Dolna Odra Power Plant Complex Branch together with infrastructure and necessary connections and demolitions.	2019- still
7.	ILF WARSAW	Design works in the scope of preparation of the Construction Design in the indicated branches, obtaining necessary opinions and agreements, permits and other required by the regulations- CCGT Gdańsk	2022-2024
8.	PLUS FLOTA	Preparation of the documentation required to submit an application for a construction permit, together with the necessary agreements and obtaining the required documents for the Hydrogen Refueling Station in Warsaw at Łubinowa Street.	2022-2023
9.	ENERGOTECHNIKA ENGINEERING	Obtaining a substitute construction permit for the construction of new gas-fired cogeneration units in Poznań for Veolia Energia Poznań Spółka Akcyjna.	2022-2023
10.	PSE KONSTANCIN	Framework agreement for development of construction and detailed designs together with obtaining a construction permit decision	2021-2023
11.	SYNTHOS OŚWIĘCIM	Development of the Construction Project for the investment titled "Construction of a gas-steam unit at Synthos Dwory 7".	2019-2023
12.	TAURON HEAT	Execution of a construction project together with obtaining a valid building permit for the investment named: "Reconstruction of generation capacity of ZW Katowice source adequately for the needs of the heat market and BAT requirements".	2017-2023
13.	PKP ENERGETYKA	Development of replacement Detailed Designs, construction and power engineering of PT 15KV for PKM PT Gdańsk Wrzeszcz.	2022
14.	ZE PAK SA	Construction design of a hydrogen refueling station located in the city of Warsaw	2021-2022
15.	ELECTRUM BIAŁYSTOK	Development of a substitute construction project necessary to obtain a substitute building permit in the scope of execution of an updated construction project for the construction of the GPO Bięcino 2 substation together with road infrastructure and foundations for Wind Power Plants at Bięcino 2 and Waliszewo farms	2021-2022
16.	FORTUM POWER WROCŁAW	Construction project for the development of three container boilers with auxiliary installations at EC Częstochowa	2021-2022
17.	ENEA KOZIENICE	Execution of Construction Design and Development of Update of Construction Design with Obtaining the Final Permit Decision for Construction of Comprehensive Cooling Water Supply at Koziénice Power Plant	2021-2022
18.	ZE PAK	Construction Design for a 50MW hydrogen plant with associated infrastructure at El.Konin.	2020-2022

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
19.	TAURON HEAT	Development of a construction design for façade walls together with obtaining a building permit for TAURON Ciepło - ZW Katowice	2018-2022
20.	PV ENERGY 6	Development of a construction project together with support in obtaining the necessary administrative decisions for a photovoltaic farm within Barczkowice	2020-2021
21.	POLIMEX MOSTOSTAL WARSAW	Replacement construction project for the investment entitled: "Turnkey construction of a gas-steam cogeneration plant for Kogeneracja S.A. in Siechnice".	2020-2021
22.	SYNTHOS DWORY	Preparation and coordination of the preparation of the first replacement CCGT Construction Project for the investment titled Construction of a gas-steam unit at Synthos Dwory 7	2020-2021
23.	IB VOGT SZCZECIN	Development of 2 Construction Projects for a 32.5MWp photovoltaic farm, based on the technological documentation of the ordering party, together with a multi-discipline detailed and as-built design	2020-2021
24.	PGE ENERGY HEAT	Development of the civil engineering design for the turnkey construction of a gas-steam unit (BGP) for PGE Energia Ciepła S.A. Wybrzeże Branch Elektrociepłownia in Gdynia, together with obtaining a decision on Construction Permits.	2020-2021
25.	IB VOGT BERLIN	Development of four Construction Projects for photovoltaic farms for photovoltaic farms with a total capacity of ~1000MW.	2020-2021
26.	BIOTECH LODZ	Development of a Construction Project for the construction of a complex of a second generation bioethanol plant and accompanying facilities	2019-2021
27.	ZE PAK	Development of a construction project together with a fire expertise and the ToR for the modernization of the electrostatic precipitator and DCS with object equipment for the project entitled "Adaptation of the coal boiler K-7 for exclusive combustion of biomass in Konin Power Plant".	2019- 2021
28.	ZGH BOLESŁAW BUKOWNO	Development of the Construction Design, together with obtaining the final decision on the construction permit based on the Construction Design, for the implementation of the investment "Construction of a cogeneration gas source with a capacity of about 10 MWe"	2019-2021
29.	ENERGOPOMIAR GLIWICE	Development of the Replacement Construction Design for the construction of a gas-steam unit at the Stalowa Wola CHP Plant SA.	2017-2021
30.	NEW YAWORZNO	Development of a replacement construction project for the construction of a 910 MW supercritical power unit	2019-2020
31.	ZE PAK	Development of a construction project for a photovoltaic farm with a capacity of approximately 70 MW located on reclaimed land of the Adamów mine	2019-2020
32.	FORTUM SILESIA	Construction project for a new peak load boiler plant at the Miechowice Combined Heat and Power Plant in Bytom.	2018-2020
33.	HELI FACTOR	Execution of a construction project together with obtaining a valid building permit for 20 railroad stations as part of the implementation of the task "Design and construction of typical railroad stations in IDS A and IDS B versions for 20 locations"	2018-2020
34.	ZE PAK	Development of a Multi-discipline Construction Design for the TZ5 transformer station as part of the adaptation of auxiliary circuits at El.Konin to new requirements related to the modernization of the Konin 110/220 KV Station	2018-2020

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
35.	SBB ENERGY	Development of a construction project for the investment task entitled "Installation of Flue Gas Denitrification using the SCR catalytic method at CEZ Skawina".	2017-2020
36.	ENERGOPOMIAR GLIWICE	Development of the Replacement Construction Design for the completion of the construction of the gas-steam unit at the Stalowa Wola CHP Plant SA	2017-2020
37.	PGE ENERGY HEAT	Technical consultancy in the execution of multi-discipline projects with the obtaining of a building permit for energy installations of operating and new buildings, as well as the development of expert reports for buildings	2014-2020
38.	K1 PROJECT	Execution of the contribution to the construction project in the scope of electrical and telecommunication branch in order to obtain the Building Permit for the investment task "Construction of Biomass Combustion and Alternative Fuels Installation for Energy Recovery in Gliwice".	2019
39.	FENICE POLAND	Development of a Construction Design for obtaining a building permit for the construction of a gas-fired peak load boiler house for the project entitled "Modernization of the FENICE Poland Combined Heat and Power Plant in Rzeszów STAGE I - Modernization of the turbine hall".	2018- 2019
40.	ENEA POŁANIEC	Execution of a construction project together with obtaining a building permit for the modernization of return water pipelines and industrial wastewater pipelines at Enea Połaniec S.A.	2018-2019
41.	TAURON NEW JAWORZNO	Construction of a 910 MW supercritical power unit- Coordination of design work at the boundary of individual investment tasks and other supplementary design work, as well as completion and development of a replacement Construction Project	2017-2019
42.	GE POWER WARSAW	Development of a replacement construction project. Opole 2x900 MW project.	2013-2019
43.	TAURON MANUFACTURING	Development of a construction project, Obtaining a valid construction permit for a new heat reserve source at EC Stalowa Wola.	2017-2018
44.	TAURON NEW JAWORZNO	Development of the Construction Design of the water supply system from the Dzieńkówice 2 pumping station for the 910MW supercritical power unit	2014-2018
45.	ILF WARSAW	Development of a replacement Construction Project within the scope of the ongoing Investment consisting in the construction of a new combined heat and power plant in Zabrze	2014-2018
46.	PHOTOZE CHERRY	Development of a Construction Project for a photovoltaic farm with a capacity of approximately 1 MWp.	2016-2017
47.	SIEMENS WARSAW	Update of the Construction Design of the 400-600 MWe BGP in Plock.	2016-2017
48.	EL TUROW	Development of the design documentation including updating of the Construction Design of the accompanying tasks within the scope of construction of the new power unit at PGE GiEK S.A Turów Power Plant Branch	2015-2017
49.	ELECTROBUDOWA KATOWICE	Development of a multi-discipline Construction Design for the modernization of the 6 kV GST-KPG switchgear including the installation of sychro-check synchronism control systems in stage I and the installation of short-circuit current limiting systems in the coupling bays at KGHM Polkowice	2015-2017
50.	JSW KOKS	Development of a construction project for obtaining a building permit for the task "Construction of a coke gas-fired power unit with modernization of the benzol plant at the Radlin Coking Plant "	2013-2017

<b>N.</b>	<b>CONTRACTING AUTHORITY</b>	<b>NAME OF THE STUDY</b>	<b>YEAR OF IMPLEMENTATION</b>
51.	SNC-LAVALIN WARSAW	Execution of PB update for construction of steam-gas unit in Włocławek	2012-2017
52.	ELECTROBUDOWA KATOWICE	Construction design, detailed and as-built designs for the cable overpass section at KGHM	2016
53.	PGE ENERGY HEAT	Execution of the following designs: building and detailed designs, as well as obtaining a building permit decision for the implementation of fire protection recommendations in the building of heat units at EDF Kraków S.A. O. No. 1 in Krakow	2014-2016
54.	ELECTROBUDOWA KATOWICE	Development of an alternate construction design taking into account the reconstruction of the recarburization plant and other modernized facilities for the investment titled "Construction of a new district heating unit with a fluidized bed boiler, heat and condensing turbine of about 50 60 MWe, along with associated economies at Tauron Ciepło Sp z o.o.- Zakład Wytwarzania Tychy".	2013-2016
55.	CIECH SODA POLAND	Preparation of complete technical documentation consisting of technological documentation, construction design and detailed designs in all branches entitled: "Intensification of soda ash production by 200 thousand tons/year".	2013-2016
56.	EL PUŁAWY	Execution of the update of the Construction Project for the Pulawy Power Plant - (HV power grids, 400MW BGP, external facilities).	2015
57.	EL PUŁAWY	Update of the Construction Project for the Pulawy Power Plant (	2015
58.	ORLEN SOUTH TRZEBINIA	Execution of the Construction Project together with obtaining administrative permits for the new EC	2014-2015
59.	OMEGA GŁOGÓW	Development of the Construction Design of the flue gas desulphurization system for boiler Wp-70 No. 5 in EC "Zofiówka".	2014-2015
60.	BABCOCK OBERHAUSEN	Construction permit and preliminary design for EDF Torun	2014-2015
61.	TAURON MANUFACTURING	Preparation of the Replacement Construction Project as part of the implementation of the investment construction of a power unit with a capacity of 910 MW for supercritical parameters	2014-2015
62.	TAURON MANUFACTURING	Development of a replacement Construction Project for the construction of a new 910MW supercritical power unit	2014-2015
63.	PGE BEŁCHATÓW	Development of a construction project for the investment entitled " Change of technology of furnace waste storage in the target system at the Lubien landfill".	2014-2015
64.	EL RYBNIK	Development of technical documentation with a building permit for the implementation of fire recommendations in the building block	2014- 2015
65.	EL RYBNIK	Development of construction documentation along with a building permit for the implementation of fire protection recommendations in the building of power units at the Rybnik Power Plant	2014-2015
66.	GE POWER WARSAW	Update of the Construction Design in accordance with the Technical Specifications of the Construction Design Rybnik WFGD.	2014-2015
67.	SIEMENS WARSAW	Technical and formal-legal support and Construction Design for the Plock Project	2014-2015

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
68.	TAURON POLSKA ENERGIA	Development of the Construction Project related to the relocation of equipment and installations of the gas-steam unit from the Stalowa Wola location (Stalowa Wola EC) to the Łągisza location in Będzin (Łągisza Power Plant).	2013-2015
69.	BABCOCK OBERHAUSEN	Preparation of an Information Sheet for the Project and static calculations and expert opinion on the condition of the boiler house, preparation of a construction notification for unit No. 10 at Belchatow Power Plant	2013-2015
70.	DOOSAN BABCOCK	Development of a construction project, submitting an application for a building permit and obtaining a building permit for the order entitled: "Installation of biomass feeding to boilers of units 5-8 bypassing coal mills in Rybnik Power Plant S.A.. - BiOMAX 2"	2011-2015
71.	SNC-LAVALIN WARSAW	Development of the second edition of the replacement construction design for the construction permit for the 463 MW net steam and gas unit in Włocławek	2014
72.	ENERGOTECHNIKA ENGINEERING	Preparation of a batch for a replacement Construction Project with the required attachments, necessary to obtain a decision on the amendment of the construction permit for the FGD package and gypsum management	2014
73.	PGNiG ODOLANÓW	Construction design for the extension of the compressor station with a waste gas compression facility at PGNiG SA Odolanów Branch	2013-2014
74.	PGE BEŁCHATÓW	Execution of complete construction documentation with obtaining a building permit with a final clause for the project entitled: "Construction of Thermal Processing Installation with Energy Recovery (ITPOE)" at PGE GiEK S.A.	2013- 2014
75.	PGE BEŁCHATÓW	Update of the Construction Project for the investment titled "Construction of a new power unit at Turów Power Plant".	2013-2014
76.	EL RYBNIK	Construction Design for obtaining a permit for the construction of the Wet Flue Gas Desulfurization Plant at El Rybnik for power units 1, 5, 6 and 8	2013-2014
77.	PKN ORLEN	Development of the construction project necessary to obtain a building permit for the investment task "Construction of a 400-600 MWe gas-steam unit in Plock".	2013-2014
78.	TAURON HEAT	Preparation in stages of technical documentation necessary to obtain a permit for the construction of a 135 MW gas-steam unit at PKE S.A.- Elektrociepłownia Katowice.	2011-2014
79.	PGE ENERGY HEAT	Preparation of the construction project for the first stage of GT50 construction in Toruń, together with obtaining a construction permit decision	2011-2014
80.	PGE ENERGY HEAT	Development of a construction design for a building permit for the construction of a 900 MW unit at Rybnik Power Plant and its subsequent updates based on actual design data	2011-2014
81.	EL. TUROW	Development of a construction project together with the necessary technical documentation and obtaining a building permit decision for the construction process of a 460 MWe lignite-fired power unit at PGE Elektrownia Turów	2010-2014

## 4.3. Environmental impact reports, integrated permits

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	ZE PAK SA	Development of Environmental Impact Reports together with submission of applications for obtaining environmental decisions related to the construction of a 600MWe CCGT unit with associated infrastructure at the Adamów Power Plant	2021-onward
2.	RYBNIK 2050	Obtaining a decision on environmental conditions for the construction of a power derivation system from the gas-steam unit in Rybnik.	2022-2023
3.	POLIMEX MOSTOSTAL	Update of the Environmental Impact Report, which is the basis for obtaining a new decision on environmental conditions in the proceedings conducted under the name: Construction of a gas-steam unit in Rybnik.	2022 - continued
4.	PGE BEŁCHATÓW	Obtaining legally binding decisions on environmental conditions for the following projects: construction of a gas-steam unit, construction of a gas pipeline feeding the gas-steam unit W El. Rybnik	2020-2023
5.	RWE OFFSHORE WIND	Thermal impact assessment of the proposed cable line for the Environmental Impact Assessment Report for transmission infrastructure	2022
6.	VEOLIA LODZ	Development of an amendment to the pending application for an amendment to the Integrated Permit for EC3 Veolia Energia Łódź S.A. in the scope of biomass co-firing in boiler K3, and housekeeping changes.	2022
7.	SYNTHOS DWORY	Development of an environmental impact report for the investment: "Construction of a gas-steam unit at Synthos Dwory 7	2018-2022
8.	VEOLIA LODZ	Development of an application to amend the integrated permit for EC3 Veolia Lodz with regard to the restoration of biomass co-firing in the source (boiler K3)	2021
9.	PROBUDMIX ZGIERZ	Development of data for the amendment of the integrated permit for EC Siekierki in connection with the construction of a flue gas dedusting plant	2020
10.	EL OSTROŁĘKA	Execution of an update to the Integrated Permit for El. Ostrołęka C	2018-2020
11.	ENEA RESEARCH	Preparation of the Environmental Impact Report for the coal transportation, power output, water supply and wastewater discharge of the 500 MWe class gas-steam unit with clean coal technology - IGCC	2018-2020
12.	ZE PAK	Preparation of an application to amend the Integrated Permit for the resumption of construction of the gas-steam unit at the Adamów Power Plant	2018- 2019
13.	TAURON NEW JAWORZNO	Review of the integrated permit of the 910 MW Block installation in the context of the implementation of the BAT conclusions and preparation of an application to amend the integrated permit	2017- 2019
14.	PKN ORLEN	Development of an Environmental Impact Report for the construction of a 350-500 MWe gas-fired power unit in Plock	2018
15.	MPEC OLSZTYN	Preparation of an addendum to the Environmental Impact Report for the project "Construction of an installation for thermal transformation of the combustible fraction resulting from the processing of municipal waste, ensuring energy recovery and supply of	2018
16.	EL OSTROŁĘKA	Preparation of an application to amend the Integrated Permit for the Ostrołęka C Power Plant	2018
17.	DWF POLAND JAMKA	Execution of applications for modification of Integrated Permits for fuel combustion installations with cost-benefit analysis, preparation of cost-benefit analysis and applications for derogations from emission limits	2017-2018

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
18.	TAURON MANUFACTURING	Review of integrated permits (Jaworzno III El.Jaworzno III - Power Plant II and Power Plant III El.Laziska, El.Siersza, El.Lagisza) in the context of the new Environmental Law	2017-2018
19.	SBB ENERGY	Conducting an environmental impact assessment for the planned project "Construction of a flue gas denitrification system for boilers OP-210M (K8-K11) and one boiler OP-230 (K6) at CEZ Skawina S.A. using the catalytic SCR "Low Dust" method".	2017
20.	ENEA RESEARCH	Development of an Information Sheet of the Undertaking for the purpose of determining the scope of the Environmental Impact Assessment Report for the planned investment consisting of the construction of a generating unit with clean coal technology (with the option of building a 500 MWe class gas-steam unit with IGCC technology)	2017
21.	SBB ENERGY	"Modernization of dust removal systems in the Steel Plant of ArcelorMittal Poland S.A. Branch in Dabrowa Gornicza"- preparing an Information Sheet of the Undertaking with obtaining an environmental decision.	2016-2017
22.	BEEF COUNTY	Analysis of the application for an Integrated Permit for the Wińsko Bioelectric Plant	2015-2017
23.	OMEGA GŁOGÓW	Developing an Information Sheet of the Undertaking and a Report of the Environmental Impact of the Undertaking for "Flue gas desulphurization installation of WR4 boiler of Tychy Combined Heat and Power Plant".	2015
24.	JSW KOKS	Verification of the existing provisions of the application for an integrated permit for the Radlin Combined Heat and Power Plant, in terms of gas and dust emissions into the air	2016
25.	EP WARSAW	Execution of applications for integrated permits for the new unit, Blocks 1-10 and the Start-up Boiler Plant	2015- 2016
26.	JSW KOKS	Preparation of an application for an integrated permit for the Radlin Combined Heat and Power Plant	2015- 2016
27.	EL PUŁAWY	Development of materials for obtaining an integrated permit for the Puławy Power Plant	2015- 2016
28.	ELECTROBUDOWA KATOWICE	"Construction of a new district heating unit with a fluidized bed boiler, heat and condensing turbine about 50 60 MWe, together with associated economies in Tauron Ciepło Sp z o.o.- Tychy Generation Plant"- Obtaining all agreements and opinions, permits and administrative decisions, conditions for connections to the network and water and legal permits, as well as the performance of the energy performance certificate for the entire investment.	2013- 2016
29.	TAURON HEAT	Preparation of applications for integrated permits and obtaining decisions - integrated permits for installations Central Heat Plant Olkusz and Central Heat Plant Zawiercie	2015
30.	TAURON MANUFACTURING	Review of integrated permits of TAURON Wytwarzanie S.A. installations. (Jaworzno III Power Plant II and Power Plant III, Łaziska Power Plant, Siersza Power Plant, Lagisza Power Plant, Stalowa Wola Power Plant) in the context of implementation of BAT conclusions	2014- 2015
31.	MPEC OLSZTYN	Preparation of a report on the environmental impact of the project "Construction of the Waste Energy Utilization Plant" with supplementary analyses	2014- 2015
32.	TAURON MANUFACTURING	Preparation of an update of the Environmental Impact Report for the investment "Construction of a power unit with a capacity of 910 MW for supercritical parameters".	2014-2015

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
33.	ENEA POŁANIEC	Development of an environmental impact report together with obtaining a decision for the coal block in Stara Wieś near Łęczna	2012-2015
34.	MICHELIN OLSZTYN	Development of a preliminary concept for the modernization of a coal and gas heating plant with consideration of environmental solutions for the Michelin tire factory in Olsztyn.	2014
35.	UM JELENIA GÓRA	Conducting a Strategic Environmental Assessment as part of the preparation of the "Update of the draft assumptions for the plan for supply of heat, electricity and gas fuels for the City of Deer Mountain".	2013-2014
36.	PGE GIĘK S.A	Execution of an application for an integrated permit for the installation of a gas-steam unit for PGE GiEK S.A. Rzeszów Combined Heat and Power Plant Branch	2013-2014
37.	PGE ENERGY HEAT	Implementation of updates to the integrated permit and sectoral decisions for non-hazardous waste storage facilities	2013-2014
38.	TAURON HEAT	Obtaining a decision on environmental conditions for the investment entitled: "Adaptation of the source of ZW Katowice for the needs of the heat market after 2015".	2013-2014
39.	PGNIG TERMIKA	Preparation of documentation together with an application for a decision on environmental conditions for the project consisting in "Construction of wet desulphurization and catalytic denitrification of flue gases from K-1 and K-2 boilers".	2013-2014
40.	EL. TUROW	Participation and consultancy in the process of obtaining environmental decisions, preparation of the environmental impact report and other necessary studies required by relevant regulations in the process of preparing the investment project for the construction of a 460 MWe lignite-fired power unit at PGE Elektrownia Turów	2010-2014

#### 4.4. Incinerators

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	ENERGO-EKO-SYSTEM	Execution of design works of technological branch related to the installation of "Ash stabilization system for the expanded Waste Incineration Plant in Warsaw".	2022-2023
2.	ZUOP OTWOCK	Development of a project implementation schedule for the construction of a new radioactive waste repository with an indication of the estimated capital expenditure of implementing the project.	2022-2023
3.	GOOD ENERGY	Framework agreement for the provision of design and consulting services - ITPO Olsztyn	2022-2023
4.	GOOD ENERGY	Technical consultancy for an opinion on the requirements related to the new BAT Directive for the Management of combustible fractions from municipal waste by ITPO with energy recovery. of combustible fractions from municipal waste by thermal processing (ITPO) with energy recovery	2020
5.	K1 PROJECT	Execution of the contribution to the construction project in the scope of electrical and telecommunication branch in order to obtain the Building Permit for the investment task "Construction of Biomass Combustion and Alternative Fuels Installation for Energy Recovery in Gliwice".	2019



N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
6.	MPEC OLSZTYN	Preparation of an annex to the Report on the environmental impact of the project "Construction of an installation for thermal transformation of the combustible fraction resulting from the processing of municipal waste, providing energy recovery and heat supply for the residents of Olsztyn, together with accompanying infrastructure	2018
7.	ZRE KATOWICE	Preparation of detailed documentation of pipelines with fixings for Templeborough Waste Incineration Plant	2015- 2018
8.	ZRE KATOWICE	Preparation of detailed documentation of pipelines with fixings for Teesside Waste Incineration Plant	2015-2018
9.	EMERSON WARSAW	Development of technical documentation in the electrical sector of EFW Allerton in the UK	2016-2017
10.	BIOELECTRA GROUP	Conducting a multi-variant analysis of the thermal utilization of biomass created by Bioelektra technology from mixed municipal waste.	2016- 2017
11.	ZRE KATOWICE	Technology engineering services for the execution of work at the AMAGER Waste Incinerator in Denmark	2016
12.	BABCOCK ESBJERG	Delivery of stress calculations and basic design for WTP in Peterborough	2013-2016
13.	BUDIMEX	Construction of an Installation for Thermal Processing with Energy Recovery (ITPOE) located on the premises of PGE GiEK S.A. Rzeszów Combined Heat and Power Plant Branch	2015
14.	ZRE KATOWICE	Preparation of detailed documentation of pipelines with fixings for NORDFORBRAENDING Waste Incineration Plant	2015
15.	ZRE KATOWICE	Preparation of detailed documentation of pipelines with fixings for Margam Waste Incineration Plant	2014- 2015
16.	ZRE KATOWICE	Development in English of workshop documentation of pipelines for Viridor Peterborough Waste Incinerator in the UK	2014
17.	PGE BEŁCHATÓW	Execution of complete construction documentation with obtaining a building permit with a final clause for the project entitled: "Construction of Thermal Processing Installation with Energy Recovery (ITPOE)" at PGE GiEK S.A.	2013-2014
18.	BABCOCK ESBJERG	Perform strength calculations and basic design of boiler, eco and gallery support structures at AMAGER Incineration Plant	2012-2014

#### 4.5.Nuclear projects

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	EL NUCLEAR	Expert services, for the study and evaluation of site conditions for a nuclear facility in the form of a small modular reactor (SMR) type BWRX-300	2023-onward
2.	PEJ WARSAW	Providing technical consulting services for the design and construction of Nuclear Power Plant facilities	2023-onward
3.	BECHTEL WARSAW	Consulting services for the development of a compilation of Codes and standards for the Polish AP1000 project - development of AP1000 nuclear power plant projects in Polse	2023-onward
4.	BECHTEL WARSAW	Consulting services for obtaining environmental and other permits required for the AP1000 project	2023-onward

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
5.	<u>NCBJ</u>	Implementation of the basic design of the Nuclear Island PPWJ of the HTGR Facility.	2023-onward
6.	NCBJ	Implementation of the basic research design of the HTGR reactor in Poland island conventional energy conversion plant.	2023-onward
7.	NCBIR	A plan to decarbonize the utility power industry through modernization with nuclear reactors.	2021-onward
8.	EL NUCLEAR	Expert services, for the preparation of a Preliminary Site Plan for two sites of a nuclear facility based on a small modular reactor (SMR) type BWRX-300	2023
9.	KGHM	Development of an analysis for site selection of the planned nuclear power plant	2022-2023
10.	PGE EJ1 WARSAW	Acquisition and compilation of data with sources on 20 sites where nuclear power plant construction will be possible	2011
11.	PGE NUCLEAR POWER	Searching for potential sites (screening) for future construction of a nuclear power plant	2010-2011
12.	PGE NUCLEAR POWER	Determination of legal-administrative hires for the preparation of the investment process in the power industry	2010
13.	PGE NUCLEAR POWER	Technical and economic analysis of the impact of cooling conditions on the efficiency of construction and operation of a nuclear unit	2010

10/658

#### 4.6. Other project work

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
1.	ZARMEN	Execution of design work related to the Construction of OSBL infrastructure for the Petroleum Olefins Complex at the Plock plant Package 004 (Olefins Plant Expansion Project) for ZARMEN sp. z o.o.	2023-onward
2.	ORLEN PROJECT	Provision of technical consulting services under the investment task: Technical consulting service - under the project entitled: "Adaptation of the Production Plant in Plock for co-hydrogenation of vegetable and after-frying oils".	2023-onward
3.	EC STALOWA WOLA	Detailed design of pressure stabilization system in PEC district heating network	2023-onward
4.	CHEMAR PIPELINES	Development of design documentation for modernization of 13.6MPa/540'C high-pressure steam pipelines at the PKN Orlen Combined Heat and Power Plant in Plock	2021-onward
5.	ENEA ELKOGAZ	Preparation of design documentation for the implementation of modifications to the mazut system	2023
6.	POLIMEX MOSTOSTAL	Design support in the turnkey implementation of a 500 MWe class gas and steam unit in Gdansk, Poland	2022-2023
7.	SEMI ENERGY	Development of multi-discipline project documentation in El. Garri 3, Sudan	2021- 2023
8.	KELVION OPOLE	ELECTRICAL COMPONENTS INSTALLATION FOR SHIRAZ GPOR 3.3 PILOT(PVT)	2022- 2023
9.	SUMITOMO FAKOP	Design work for the boiler piping scope of the project in Westfield, Scotland, UK	2022-2023-
10.	ARCELORMITTAL	Implementation of the detailed design for the modernization of the GST1 station	2022-still

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
11.	POLIMEX MOSTOSTAL	Development of instructions for operation and maintenance of construction facilities in the construction, water and sewerage, electrical industries in the scope of completed detailed designs for construction facilities under the Contract "Construction of two gas-steam units at the Lower Oder Power Plant".	2022-still
12.	SBB ENERGY	Design work under the project entitled Development of high-efficiency cogeneration through the construction of a biomass boiler unit at the Łąkowa CHP Plant in Grudziądz.	2022-still
13.	ORLEN PROJECT	Modeling of pipeline routes in the area of technological installation with the use of Smart Plant 3D environment within the framework of the investment task entitled: "EPC - Construction of TGTU III installation".	2022- 2023
14.	POLIMEX MOSTOSTAL	Comprehensive design work for all phases in the construction of a gas-steam unit in Rybnik	2022-still
15.	POLIMEX MOSTOSTAL	Development of pre-design materials for a future ethanol plant project in Europe	2021-
16.	ENEA KOZIENICE	Preparation of the technical design for the modernization of the slagging system of block 11	2020-2021
17.	ZE PAK	Design work related to the construction of a 600MWe class CCGT unit with associated infrastructure at the Adamów Power Plant	2021-onward
18.	POLIMEX MOSTOSTAL WARSAW	Development of multi-discipline design documentation for the construction of two gas-steam units at PGE GiEK S.A. Dolna Odra Power Plant Complex Branch together with infrastructure and necessary connections and demolitions	2019-now
19.	POLIMEX MOSTOSTAL WARSAW	Development of multi-discipline design documentation and engineering services for the contract "Construction of a coal-fired power unit in Pulawy with infrastructure and necessary connections and demolitions"	2019-now
20.	KELVION OPOLE	Set of electrical components installation services for Shiraz POR 3.3.	2022-2023
21.	PKN ORLEN	Development of complete project documentation along with obtaining a building permit for the task entitled: Construction of a new compression node for dry distillation gases and distillation discharge gases on plot H-7 for PKN Orlen	2018-2023
22.	KELVION OPOLE	Design works within the project called: "Shiraz Detail Engineering & Production Drawing for Pilot Build". - according to Contractor`s offer No. TM-1019D/2021/ dated November 19th, 2021	2021-2022
23.	CHEMAR PIPELINES	Development of documentation for the fresh steam pipeline at unit no. 3 - Opole Power Plant.	2019-2022
24.	RAFAKO	Implementation of a comprehensive modernization of the Flue Gas Desulfurization (FGD) Installation on units No. 8 12 at the Belchatow Power Plant	2019-2022
25.	MONDI WORLD	Development of technical documentation and project management services for the investment task "Construction of oil and gas boilers" at Mondi Świecie	2019-2022
26.	SEMI	Carrying out an inventory of project documentation necessary for the completion of the Garri 3 oil power plant project in Sudan	2021
27.	EMERSON WARSAW	Completion of the contract for the scope of the electrical industry of general construction installations for the task of construction of a 910 MW unit at Tauron Wytwarzanie S.A. Jaworzno III Power Plant Branch	2020-2021
28.	NAFTOREMONT	Execution of design work for the Contractor, in the form of documentation for fresh steam pipelines at the Olefins 2 plant at PKN Orlen	2020-2021

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
29.	EC STALOWA WOLA	PERFORM THE NECESSARY BALANCE CALCULATIONS BASED ON THE MATHEMATICAL MODEL OF THE RECOVERY BOILER (HRSG)	2020-2021
30.	ZARMEN WARSAW	Completion of comprehensive design services under the task entitled: "Construction of a power unit with a capacity of 800-900MW for supercritical parameters at Jaworzno III Power Plant II".	2020-2021
31.	POLIMEX MOSTOSTAL	Execution of multi-discipline design documentation and engineering services for the Contract "Turnkey realization of a gas-steam CHP plant for Zespół Elektrociepłowni Wrocławskich KOGENERACJA S.A. in Siechnice".	2019-2021
32.	BUDIMEX TECNICAS REUNIDAS	Execution of design works for the investment task entitled "Construction of a building together with the installation of preliminary purification of waste water from the installation of wet flue gas desulphurization of units 4-6 in the Turów Power Plant in Bogatynia".	2019-2021
33.	AMEC FOSTER WARSAW	Implementation of design work on the construction of the missile shield in Redzikowo	2019-2021
34.	ENEA KOZIENICE	Implementation of a project for comprehensive supply of cooling water in Koziencice Power Plant	2019-2021
35.	EC LUBLIN WROTKOW	Providing consulting and design services in the preparation phase for the implementation of the "Investment Program of the Lublin Wrotków Combined Heat and Power Plant".	2018-2021
36.	AMIBLU GDAŃSK	Development of design documentation for Cooling Water Pipelines for El. Ostrołęka.	2019-2020
37.	FERRUM KATOWICE	Design of steel pipelines for the main cooling water system at the Ostrołęka C Power Plant - with a unit capacity of about 1000MW.	2019-2020
38.	PKN ORLEN	Development of documentation for the modernization of 13.6 MPa/540 deg C high-pressure steam pipelines at the Combined Heat and Power Plant of PKN ORLEN S.A.	2019-2020
39.	SUMITOMO WARSAW	Basic design, detailed and as-built documentation of electrical systems - KYVO3 project, Lahti, Finland	2017-2020
40.	PKN ORLEN	Execution of technical documentation for "Replacement of condensing drive, turbine 30CT1 with high efficiency electric motor on Reforming V plant	2019-2020
41.	PGE GIEK SA	Development of technical documentation for the investment project "Construction of a hydro-transport system for furnace waste (slag and ash) from blocks 2-12 and block 14 to the Lubien landfill"	2019-2020
42.	GE POWER WARSAW	Engineering services for the construction of a 1000 MW unit at the Ostrołęka Power Plant	2018-2020
43.	SUMITOMO SOSNOWIEC	Detailed designs of electrical installations for Gunsan project in South Korea	2018-2020
44.	ENERGOPOMIAR GLIWICE	Performance of functions related to design, engineering works, for the completion of the construction of a gas-steam unit at the Stalowa Wola CHP Plant SA	2017-2020
45.	ELTUR SERVICE	Preparation of project documentation for the investment task titled "Construction of technological flyovers with a transport system for gypsum."	2017-2020
46.	TAURON NEW JAWORZNO	Construction of a 910 MW supercritical power unit- - completion of the compilation of the documentation of the subcontractors of the Employer, the Investor and the System Operator for the electrical and telecommunications industry	2017-2020

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
47.	TAURON NEW JAWORZNO	Construction of a 910 MW supercritical power unit - coordination of design work at the boundary of individual investment tasks and other supplementary design work, as well as completion and development of a replacement Construction Project	2017-2020
48.	HITACHI MHPSE	Development of basic design, detailed designs and as-built documentation of the electrical branch for the construction of a 450 MW gas-steam unit at Żerań CHP Plant	2017-2020
49.	SBB ENERGY	Design works in the scope of the construction project, basic project, detailed project and as-built project, as well as delivery and installation of equipment and installations for the investment task entitled "Installation of Flue Gas Denitrification by SCR catalytic method in CEZ Skawina S.A.".	2017-2020
50.	SUMITOMO	Development of steel structure design for CFB 670 boilers of blocks 1-3 at Turow El.	2016-2020
51.	MONDI WORLD	Development of design documentation for the cable duct extinguishing system at EC Mondi Świecie S.A.	2016-2020
52.	ELTUR SERVICE	Construction of the facilities of the carburization system of the new power unit at El. Turów	2015-2020
53.	ZRE KATOWICE	Development of design documentation as part of the implementation of a block of high-pressure pipelines (LBB, LBC, LBA) with auxiliary systems, including the selection of primary fixings	2015-2020
54.	INSTAL KRAKÓW	Execution of comprehensive design works including author's supervision, participation in commissioning and warranty measurements for the task entitled: "Design and comprehensive execution, commissioning, trial run and commissioning of the compressed air system" for the construction of a power unit with a capacity of 910 MW for supercritical parameters	2015-2020
55.	ELECTROBUDOWA KATOWICE	Performance of comprehensive design services under the Task: "Construction of a power unit with a capacity of 800-900MW for supercritical parameters at Jaworzno III-Elektrownia II Power Plant with regard to the electrical and teletechnical part	2014-2020
56.	TAURON SERVICE KATOWICE	Acting as the General Designer and carrying out comprehensive design work for a part of the carburization system as part of the implementation of the task entitled "Construction of a power unit with a capacity of 910 MW for supercritical parameters".	2014-2020
57.	BUDIMEX TECNICAS REUNIDAS	Acting as General Designer, Project Coordinator for the execution and delivery of complete and multi-discipline design documentation for the construction of a new 450 MW power unit at the Turow Power Plant	2014-2020
58.	TAURON NEW JAWORZNO	Acting as General Designer, Project Coordinator for the execution and delivery of complete and multi-discipline design documentation for the construction of a 910 MW supercritical power unit	2014-2020
59.	ENEA EL POŁANIEC	Comprehensive testing of fresh and secondary steam pipelines of EP650 boilers for power units 1 and 7 and comprehensive testing of secondary steam pipelines of EP650 boilers for power units 2, 6, 3, 4 and 5	2012-2020
60.	ENERGOP SOCHACZEW	Modernization of the main steam pipelines of unit no. 2 at PGE GiEK S.A. Bełchatów Power Plant Branch	2018- 2019
61.	ELMIKO	Design of electrical branch for newly built OFz-135 fluidized bed boilers together with flue gas desulphurization and dedusting installations and heat recovery installations at Vilnius Power Plant	2018- 2019

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
62.	TSENTRO-ENERGOMONTAZH	Multi-discipline design of a heat accumulation station with a heat accumulator of 3000 m <sup>3</sup> in the mini-EC Severnaya	2018- 2019
63.	SUMITOMO SOSNOWIEC	Development of basic and detailed design of instrumentation and control engineering for Gunsan project in South Korea	2018- 2019
64.	EL BEŁCHATÓW	Development of the detailed documentation for "Restoration of the fire water system of block 1-12 at the Belchatow Power Plant Branch ."	2017-2019
65.	GE POWER WARSAW	Design of cooling water piping systems of Blocks 5 and 6 in El. Opole	2017-2019
66.	ENERGO-EKO-SYSTEM	Development of project documentation for the task "Modernization of ash transport system from electrostatic precipitators of 858 MW unit to V=100m tanks <sup>3</sup> and construction of ash transport system to V=1000m buffer tank <sup>3</sup> at the dispatch station"	2016-2019
67.	EMERSON WARSAW	Development of design documentation of the control and instrumentation industry for the construction of a power unit with a capacity of 910 MW for supercritical parameters	2015-2019
68.	DAR AL-HANDASAH	Opinion and approval of documentation and construction supervision for the Project: Soyo I 750 MW Combined Cycle Power Plant in Angola.	2015-2019
69.	GE POWER WARSAW	Design of steel structures of the boiler building bl. 5 and 6 at El. Opole	2014-2019
70.	GE POWER WARSAW	Development of design documentation for the vacuum cleaning system and fire protection system of the boiler building of blocks 5&6 at El. Opole	2014-2019
71.	ENERGOINSTAL	The entire design and documentation work allowing for the comprehensive implementation of the investment task: "Construction of a CFB cogeneration unit with a gross installed capacity of min 75 MWe in EC Zofiówka.	2013-2019
72.	HITACHI MHPSE	Authorization of the boiler support structure of the 1075 MW unit at Kozienice Power Plant	2013-2019
73.	GE POWER WARSAW	Verification of documentation for the boiler house building - 900 MW supercritical para-mental Ruda unit at Rybnik Power Plant	2012-2019
74.	FORTUM SILESIA	Performing design work for a new peak/standby boiler at the Miechowice Combined Heat and Power Plant in Bytom	2018
75.	ENERGOSERWIS KLESZCZÓW	Development of the technical documentation and performance of the function of General Designer for the task entitled "Construction of backup power supply for 110kV YOAEA switchgear from unit no. 6" on the premises of PGE Górnictwo i Energetyka Konwencjonalna S.A. Turów Power Plant Branch"	2017-2018
76.	BILFINGER MUNCHEN	Development of detailed designs for the construction, HVAC, fire-fighting and plumbing industries during the execution of the contract at EDF Torun	2015-2018
77.	PKN ORLEN	Technical advice during the construction of the 607 MW CCGT gas-fired power plant in Plock.	2015-2018
78.	KOKSOPROJEKT ZABRZE	Design works of the electrical branch related to the reconstruction of the electrical economy within the framework of the investment task entitled: "Modernization of the benzol plant with accompanying facilities" at the Radlin Coking Plant.	2015- 2018
79.	SIEMENS WARSAW	Authorization of detailed designs for the construction and installation of the Plock 600 MW CCGT	2014-2018
80.	AMEC FOSTER SOFIA	Design and consulting work for the boiler package (CFB) of the DEVEN project	2014-2018
81.	ZE PAK	Development of a project for a cogeneration gas-steam unit with a capacity of about 120 MWe and about 130 MWt at Konin Power Plant.	2012- 2018

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
82.	TAURON NEW JAWORZNO	Development of design documentation for GRP cooling water pipelines in the engine room building of the 910 MW supercritical power unit in Jaworzno	2017
83.	EMERSON WARSAW	Development of technical documentation in the electrical sector of EFW Allerton in the UK	2016-2017
84.	PKN ORLEN	Provision of technical consulting services for the project on replacement of condensing turbines at the Refinery Plant in Plock	2016-2017
85.	TAURON NEW JAWORZNO	Coordination of design work at the border of individual investment tasks and other supplementary design work within the framework of the project Construction of new capacities in coal technologies at TAURON Wytwarzanie S.A.	2016-2017
86.	SUMITOMO WARSAW	Development of design documentation for low-pressure and high-pressure pipelines as part of the implementation of the EC ZABRZE- CFB Boiler, 203MW project.	2015-2017
87.	PGE BEŁCHATÓW	Preparation of comprehensive technical documentation for the construction of the ash transport system and the production and transport of suspensions from the 858 MW Block.	2014-2017
88.	CIECH SODA POLAND	Development of technical and registration documentation for steam pipelines connecting boilers K1, K2, K3 and K4 in a manifold system with EC II turbogenerators at the SODA MAŁY Production Plant in Inowrocław	2014-2017
89.	SBB ENERGY	Construction of flue gas desulphurization and denitrification plant at Będzin Combined Heat and Power Plant	2014-2017
90.	BABCOCK OBERHAUSEN	Post-basic and detailed design of steel structures, foundations and pipelines for EC Dalkia Łódź.	2013-2017
91.	POLIMEX MOSTOSTAL	Development of workshop documentation of the steel structure for the project "Construction of a new unit with a capacity of 1075 MWe in ENEA Wytwarzanie S.A.".	2013-2017
92.	SUMITOMO SOSNOWIEC	Production of workshop documentation of HP pipelines for Kyvo project in Finland	2016
93.	OMEGA GŁOGÓW	Preparation of design documentation for flue gas desulphurization system of WR40 TC boiler of EC Tychy	2015-2016
94.	OMEGA GŁOGÓW	Preparation of detailed and as-built documentation for the construction of a flue gas desulphurization system for boiler Wp-70 No. 5 at Zofiówka CHP Plant	2014-2016
95.	ENERGOTECHNIKA ENGINEERING	Development of the design documentation for the DesulfurizationSfine Installation as part of the implementation of the project to build a 910 MW supercritical power unit	2014-2016
96.	EMERSON WARSAW	Modernization of control systems and electrical part of units No. 3 and No. 4 at EC3 Dalkia Łódź	2014-2016
97.	ELECTROBUDOWA KATOWICE	Technical documentation in the field of electrical engineering for the task: Construction of installation for reduction of sulphur oxide emissions on units 4-6 at PGE GiEK S.A. Turów Power Plant Branch in Bogatynia	2014-2016
98.	SIEMENS WARSAW	Preparation of technical documentation of BoP pipelines for EC Gorzow	2014-2016
99.	INSTAL KRAKÓW	Development of a complete design for the task: Design, construction, commissioning and commissioning of the flue gas denitrification plant at EDF Polska S.A., Branch No. 1 in Kraków.	2013-2016
100.	SBB ENERGY	Design documentation for the investment task "Turnkey modernization of K1 and K2 boilers at Pątnów Power Plant together with construction of NOx emission reduction systems for these boilers".	2013-2016

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
101.	SNC-LAVALIN WARSAW	Execution of design works in the construction and installation branches for the construction facilities of the 460 MW Steam and Gas Power Plant in Włocławek.	2013-2016
102.	ETHOSENERGY	Execution of design works for the task entitled. "Turnkey modernization of WP and SP parts of turbosets with auxiliary equipment and piping systems of units 1 and 2 at El.Pątnów".	2013-2016
103.	INSTAL KRAKÓW	Development of a complete project for the task: "Design, construction, commissioning and commissioning of the flue gas denitrification installation at EDF Polska S.A., Branch No. 1 in Kraków and at Zespół Elektrociepłowni Wrocławskich Kogeneracja S.A.". with respect to the Wrocław Combined Heat and Power Plant facility	2013-2016
104.	PKN ORLEN	<p>Provision of consulting services during the implementation of the investment involving the construction of a gas-steam power plant in Włocławek with infrastructure</p> <ul style="list-style-type: none"> <li>• technical consulting</li> <li>• Coordination of design work related to the land development project</li> <li>• checking the accuracy of project documentation</li> <li>• providing opinions on technical documentation</li> <li>• participation in coordination meetings</li> <li>• participation in factory tests</li> <li>• Participation in the acceptance of machinery, equipment and technological installations</li> <li>• Participation in the reception of the hazard potential analysis</li> <li>• Technical support for verification of power plant commissioning, completeness and correctness of acceptance tests</li> </ul>	2013-2016
105.	CIECH SODA POLAND	Preparation of complete technical documentation consisting of technological documentation, construction design and detailed designs in all branches entitled: "Intensification of soda ash production by 200 thousand tons/year".	2013-2016
106.	GE POWER WARSAW	Development of detailed designs for units 5 and 6 at El. Opole	2013-2016
107.	TAURON HEAT	Execution of a construction project together with obtaining a valid building permit for the investment entitled: "Adaptation of the source of ZW Katowice for the needs of the heat market after 2015".	2013-2016
108.	ENERGOMONTAGE	Design works necessary for the implementation of the project entitled. "Construction of a heat source at the Power Plant "B" consisting of the heat recovery of 13K200 turbines and connection to the existing infrastructure".	2012-2016
109.	SNC-LAVALIN WARSAW	Design work for the construction facilities of the 370 MW steam-gas unit at the Tashkent Power Plant	2012-2016
110.	SUMITOMO WARSAW	Development of design documentation for the steel structure of the main boiler house, needed for the task "Construction of a new district heating unit with a fluidized bed boiler at the Tychy Combined Heat and Power Plant"	2012-2016
111.	ENEA POŁANIEC	Design of the basic fresh steam pipeline for power units 1 to 7 at GDF Suez Energia Polska S.A.	2012-2016
112.	EMERSON WARSAW	Design of the electrical part for modernization and overhaul of control and supervision systems along with electrical systems of units No. 7-12 at PGE El. Belchatow	2011-2016
113.	ZE PAK	Modernization of units 1-4 at El.Pątnów to ensure their safe and efficient operation for further 50-70 thousand hours of operation	2011-2016
114.	POLIMEX MOSTOSTAL WARSAW	Comprehensive design work for the modernization and overhaul of the main steam and water piping system of units No. 7-12 at the Belchatow Power Plant	2010-2016



N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
115.	INDUSTRY	Comprehensive detailed and as-built documentation for the modernization of the engine room building of unit 1 and the engine room building of unit 2 at the Pątnów Power Plant	2014-2015
116.	SIEMENS WARSAW	Verification of construction documentation for BP-G at EC Gorzow	2014-2015
117.	OMEGA GŁOGÓW	Engineering support for the construction of the flue gas cleaning system for water boilers in EC Pniówek	2014-2015
118.	PGE BEŁCHATÓW	<p>Development of a detailed design, estimation of investment costs and development of preliminary operational instructions for the project "Changing the technology of furnace waste storage in the target system at the Lubien landfill" in the scope:</p> <ul style="list-style-type: none"> <li>▪ modernization of the existing fly ash transport system from the electrostatic precipitators of units 1-12 to the retention tanks</li> <li>▪ modernization of the existing retention tanks with all associated installations: venting, removal of ash from the bottom of the tank, loading of ash into rail cars, installation of areal air</li> <li>▪ new suspension generation and pumping plant</li> <li>▪ transportation of suspensions including pipelines</li> </ul>	2014-2015
119.	AMIBLU GDAŃSK	Design documentation for GRP cooling water pipelines for the construction of a 910 MW supercritical power unit	2014-2015
120.	SNC-LAVALIN WARSAW	Tashkent Project - development of pipeline projects	2013-2015
121.	BABCOCK OBERHAUSEN	Detailed designs of steel structure for El. Belchatow	2011-2015
122.	EP GLIWICE	The entire design and documentation work allowing for the composite realization of the investment task "Construction of a gas-steam unit with electrical power under ISO conditions of about 45 Mwe and thermal power of about 40 MWt fired by gas at KGHM Polska Miedź SA in the immediate vicinity of the existing EC-2 Polkowice".	2011-2015
123.	ENERGOINSTAL	Execution of the entire design-documentation work allowing for the comprehensive implementation of the Project entitled "Construction of a power unit" taking into account the connections with the associated infrastructure	2011-2014

## 5. MILITARY PROJECTS

N.	CONTRACTING AUTHORITY	NAME OF THE STUDY	YEAR OF IMPLEMENTATION
	WZI POZNAŃ	Construction of photovoltaic installations in the area of the 33rd BLtr. Powidz.	2023-onward
	AMW SINEVIA	Cooperation on green energy projects for the military	2022-2023
	RZI GDYNIA	Preparation of the Functional and Utility Program (PFU) together with the determination of costs for the task Modernization of the fuel pumping station No. 1 together with the replacement of existing pipelines at the military complex in Debogora	2022-2023
	WZI POZNAŃ	Execution of the Concept of spatial development of the closed area K-8708 Poznań.	2021-2022
	RZI KRAKÓW	Preparation of documentation entitled Program of studies for the facilities of the fuel depot at the Bear Depot as part of the task entitled Integration of the fuel system and technological start-up of the fuel depot in Bear	2021-2022
	RZI SZCZECIN	Execution of a service for the execution of an investment program with a fire protection operative for the task of modernization of the energy, sewage and water supply network at the complex in Mirosławiec	2020-2021
	RZI LUBLIN	Adaptation of the documentation of 4 (four) garages and preparation of design and cost estimate documentation for the construction of the fifth garage building with the service area and accompanying infrastructure, as well as the construction and reconstruction of the road and maneuvering area for tracked and wheeled vehicles in the military complex at Herbert Street in Lublin with author's supervision during the implementation of construction works.	2020-2021
1	RZI ZIELONA GÓRA	Development of design and cost estimate documentation for the construction of an electrical system in storage buildings at the Potok Depot	2019-2020