



PODILSKIY  
ENERGOCONSULTING

# REFERENCE

2010 • 2011 • 2012 • 2013 • 2014 • 2015

LLC  
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ENERGOCONSULTING»

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# COMPLEX WORKS

Customer	Description of works	Contact
<b>2015</b>		
LLC «Rendgy Trostyanets»	<b>Detailed design, construction, installation and commissioning</b> Photovoltaic Power Plant of LLC «Rendgy Trostyanets» Hlybochok village, Trostyanets district, Vinnitsia region. Peak power 3,88 MW.	03680, Ukraine, Kyiv, Chervonoarmijska St., 72 A
LLC «IBC Holding»	<b>Detailed design, construction, installation and commissioning</b> Reconstruction of substation 110/10 kV «VKF» with the installation of two new cells 10 kV and laying of 10 kV cable line.	04050, Ukraine, Kyiv, Hlybochytska St., 33/37
<b>2014</b>		
LLC «AEU Energy»	<b>Detailed design, construction, installation and commissioning</b> Complex of engineering work for production of electricity from biogas on the landfill near the village of Stadnytsia. Vinnytsia region. Peak power 999 KW.	21021, Ukraine, Vinnytsia, Kosmonavtiv avenue, 30A, office 703
LLC «Primewood», LLC «Martifer Solar UA»	<b>Detailed design, construction, installation and commissioning</b> Photovoltaic power plant of LLC «Primewood», Shargorod, Vinnytsia region. Peak power 7,98 MW.	01033, Ukraine, Kyiv, Shota Rustavelli St., 39/41
<b>2013</b>		
LLC «Rendgy Bershada», LLC «Martifer Solar UA»	<b>Detailed design, construction, installation and commissioning</b> Photovoltaic Power Plant of LLC «Rendgy Bershada», Bershada district, Vinnytsia region. Peak power 7,75 MW.	01033, Ukraine, Kyiv, Shota Rustavelli St., 39/41
LLC «Rendgy Tomashpil», LLC «Martifer Solar UA»	<b>Detailed design, construction, installation and commissioning</b> Photovoltaic Power Plant of LLC «Rendgy Tomashpil», Tomashpil district, Vinnytsia region. Peak power 4,92 MW.	01033, Ukraine, Kyiv, Shota Rustavelli St., 39/41

Customer	Description of works	Contact
<b>2013</b>		
LLC «Rendgy Trostyanets» LLC «Martifer Solar UA»	<b>Detailed design, construction, installation and commissioning</b>  Photovoltaic Power Plant of LLC «Rendgy Trostyanets» on the territory of Hlybochok village council, Trostyanets district, Vinnytsia region. Second part of the construction. Peak power 2,5 MW.	24340, Ukraine, Vinnytsia region, Trostyanets district, Hlybochok village, Lenina St., 4-A
LLC «Rendgy Tomashpil»	<b>Detailed design, construction, installation and commissioning</b>  Reconstruction of 110/10 kV substation «Gnatkiv» to connect photovoltaic power plant LLC «Rendgy Tomashpil».	01033, Ukraine, Kyiv, Shota Rustavelli St., 39/41
PJSC «Vinnytsiaoblenergo»	<b>Detailed design, construction, installation and commissioning</b>  Reconstruction of 110/35/10 kV substation «Hlybochok» v. Hlybochok to connect photovoltaic power plant LLC «Rendgy Trostianets».	21050, Ukraine, Vinnytsia, 1 May St., 2.
LLC «Rendgy Bershad»	<b>Detailed design, construction, installation and commissioning</b>  Reconstruction of 110/35/10 kV substation «Chernyatka» to connect photovoltaic power plant LLC «Rendgy Bershad».	01033, Ukraine, Kyiv, Shota Rustavelli St., 39/41
LLC «Piskivka Glassware Factory»	<b>Detailed design, construction, installation and commissioning</b>  Construction of substation 110/10 kV «PGF», LLC «Piskivka Glassware Factory».	07820, Ukraine, Piskivka town, Zhovtneva St., 1

## 2012

LLC «Rendgy Trostianets», LLC «Martifer Solar UA»	<b>Detailed design, construction, installation and commissioning</b>  Photovoltaic Power Plant of LLC «Rendgy Trostianets» v. Hlybochok, Trostianets district, Vinnytsia region. Peak power 1,37 MW.	24340, Ukraine, Vinnytsia region, Trostianets district, Hlybochok village, Lenina St., 4-A
LLC «Green Agro Service»	<b>Detailed design, construction, installation and commissioning</b>  Reconstruction of 110/35/10 kV substation «Porohy» to connect photovoltaic power plant LLC «Green Agro Service».	24512, Ukraine, Vinnytsia region, Yampil district, Porohy village, Lenina St., 50
LLC «Green Agro Service», LLC «Martifer Solar UA»	<b>Detailed design, construction, installation and commissioning</b>  Photovoltaic Power Plant of LLC «Green Agro Service» on the territory of Porohy country council of Yampil district. Peak power 4,5 MW.	

**PJSC «Vinnytsia Confectionary Factory»****Detailed design, construction, installation and commissioning**

Reconstruction of substation 10/0,4 kV PJSC «Vinnytsia Confectionary Factory» (4 x 2500 KVA) with the installation (replacement) of 5 switchgear cells 10 kV.

21001, Ukraine,  
Vinnytsia,  
Lypovetska St.

**PJSC «Bershadmoloko»****Detailed design, construction, installation and commissioning**

Reconstruction of substation 35/10 kV «MKK» PJSC «Bershadmoloko».

24405, Ukraine,  
Vinnytsia region,  
Bershad district,  
Floryne village,  
Komarova St., 147

## 2010

**PJSC «Vinnytsia Confectionary Factory»****Detailed design, construction, installation and commissioning**

Two 110 kV cable lines to connect the substation 110/10 kV «VKF» to the network 110 kV of Vinnytsia, with a length of 650 m and using cable with XLPE insulation section 240/95 mm<sup>2</sup> (Al).

21001, Ukraine,  
Vinnytsia,  
Lypovetska St.

**PJSC «Vinnytsia Confectionary Factory»****Detailed design, construction, installation and commissioning**

Reconstruction of electric power supply sources of Vinnytsia. Substitution of 10 protection panels of overhead transmission line 110 kV for microprocessors such as «Diamant» and a panel of emergency automation on 5 substations 110 kV.

**PJSC «Vinnytsia Confectionary Factory»****Detailed design, construction, installation and commissioning**

Reconstruction of substation 110/10 kV «VZTA» in Vinnytsia (110-6, 2x63 MVA) – installation of sectioned sulfur hexafluoride [SF<sub>6</sub>] circuit breaker.

**PJSC «Vinnytsia Confectionary Factory»****Feasibility study, detailed design, construction, installation and commissioning**

Construction of the new substation 110/10 kV «VKF» with transformers 2x25 MBA with outdoor switchgear 110 kV circuit type 110-2 and indoor switchgear 10 kV circuit type 10-1.

**PJSC «Vinnytsia Confectionary Factory»****Detailed design, construction, installation and commissioning**

Two cable lines 10 kV between the 110/10 kV «VKF» and TS-78 6700 m long each, using a cable with XLPE insulation with section 500/50 mm<sup>2</sup> (Al), with a loop transposition of core screens.

# PROJECT DESIGN WORKS

Customer	2015	Description of works	Contact
State Enterprise NPC «UKRENERGO»		<b>Detailed design</b> Substation 330 kV «Novoodeska». Reconstruction of system automation of power cut.	01032, Ukraine, Kyiv, Symona Petljury St., 25
State Enterprise NPC «UKRENERGO»		<b>Detailed design</b> Substation 330 kV «Kahovska». Reconstruction of power system protection equipment of transmission line 330 kV «Zaporizka thermal power-station».	
State Enterprise NPC «UKRENERGO»		<b>Detailed design</b> Substation 330 kV «Kahovska». Reconstruction of power system protection equipment of transmission line 330 kV «Kryvorizka thermal power-station».	
State Enterprise NPC «UKRENERGO»		<b>Detailed design</b> Substation 330 kV «Usatove». Reconstruction of system automation of power cut.	
State Enterprise NPC «UKRENERGO»		<b>Detailed design</b> Substation 330 kV «Usatove». Reconstruction of frequency discharge automation.	
State Enterprise NPC «UKRENERGO» South-Western Electric Power Engineering System		<b>Detailed design</b> Technical retrofit of substation 330 kV «Shepetivka» outdoor switchgear 330 kV with the substitution of oil current transformers 330 kV to gas-insulated transformers.	21010, Ukraine, Vinnytsia, I. Boguna St., 5
State Enterprise NPC «UKRENERGO» South-Western Electric Power Engineering System		<b>Detailed design</b> Technical retrofit of power system protection and automatic safety equipment of the line 330 kV «Vinnytska 750» – «Vinnytska 330» Humenne village Vinnytsia district Vinnytsia region – Luka-Meleshkivska village Vinnytsia district Vinnytsia region, Pryvokzalna St.	
State Enterprise NPC «UKRENERGO» South-Western Electric Power Engineering System		<b>Detailed design</b> Substation 330 kV «Vinnytska». Technical retrofit of high-frequency channel with the installation of instruction's transmission equipment of automatic safety control. Organization of high-frequency canal of the transmission line 110 kV «Tulchyn».	

Customer	2015	Description of works	Contact
LLC «Rendgy Trostyanets»		<b>Correction of design</b> Construction of Photovoltaic Power Plant of LLC «Rendgy Trostyanets» on the territory of Hlybochok village council Trostianets district Vinnytsia region. Second part of the construction. Peak power 6,4 MW.	03680, Ukraine, Kyiv, Chervonoarmijska St., 72 A
LLC «Rendgy Sarata»		<b>Correction of design</b> Construction of Photovoltaic Power Plant of LLC «Rendgy Sarata» with the power 8000 kW near Shargorod town Vinnytsia region.	03680, Ukraine, Kyiv, Chervonoarmijska St., 72 A
LLC «Rendgy Trostyanets»		<b>Detailed design</b> Reconstruction of the substation 110 kV «Hlybochok» for the connection of the Photovoltaic Power Plant LLC «Rendgy Trostyanets» second part of the construction, II launching complex on the territory of Hlybochok village council Trostianets district Vinnytsia region.	03680, Ukraine, Kyiv, Chervonoarmijska St., 72 A
LLC «Rendgy Sarata»		<b>Design works</b> Connection of the Photovoltaic Power Plant of LLC «Rendgy Sarata» near Shargorod town Vinnytsia region to the mains of PJSC «Vinnytsiaoblenergo». Reconstruction of the substation 110 kV.	03680, Ukraine, Kyiv, Chervonoarmijska St., 72 A
LLC «Rendgy Trostyanets»		<b>Detailed design</b> Construction of the cable line 110 kV for the connection of Photovoltaic Power Plant LLC «Rendgy Trostyanets» second part of the construction, II launching complex on the territory of Hlybochok village council Trostianets district Vinnytsia region.	03680, Ukraine, Kyiv, Chervonoarmijska St., 72 A
LLC «Rendgy Sarata»		<b>Detailed design</b> Connection of the Photovoltaic Power Plant of LLC «Rendgy Sarata» near Shargorod town Vinnytsia region to the mains of PJSC «Vinnytsiaoblenergo». Construction of the cable line 10 kV.	03680, Ukraine, Kyiv, Chervonoarmijska St., 72 A
LLC «Rendgy Sarata»		<b>Detailed design</b> Construction of the scheme of outdoor power supply of own needs of Photovoltaic Power Plant of LLC «Rendgy Sarata» on the territory of Shargorod town council Shargorod district Vinnytsia region.	03680, Ukraine, Kyiv, Chervonoarmijska St., 72 A
PJSC «Vinnytsia Confectionary Factory»		<b>Operation documents</b> Re-equipment of the substation 110/10 kV of «Vinnytsia Confectionary Factory» by the generator of standby power supplies.	21000, Ukraine, Vinnytsia, Lypovetska St.
OJSC «Ternopiloblenergo»		<b>Pre-project work</b> Scheme of long-term development of electric mains 35-110 kV of Ternopil region, mains 10 kV of Ternopil city on the period to 2020 with the prospect to 2025.	46010, Ukraine, Ternopil, Energetychna St. 2
PJSC «Khmelnyskoblenenergo»		<b>Detailed design</b> Substation 110/10 kV «Prybuzka» Khmelnytskyi town (correction of the design).	29016, Ukraine, Khmelnyskyi, Khranovskyi St.,11A

Customer	Description of works	Contact
	<b>2015</b>	
<b>PJSC «Dniester Pumped Storage Power Station»</b>	<b>Design works</b> Construction of outdoor switchgear 110 kV of the Dniester Hydroelectric Power Station-2, PJSC «Dniester Pumped Storage Power Station», situated in the village of Nagoryany, Mohyliv-Podilskyi district Vinnytsia region.	60236, Ukraine, Novodnistrovsk, Chernivtsi region
<b>PJSC «Dniester Pumped Storage Power Station»</b>	<b>Design works</b> Construction of the 110 kV transmission line runs and reconstruction of 35 kV transmission line runs to the Dniester Hydroelectric Power Station-2 of PJSC «Dniester Pumped Storage Power Station», situated in the village of Nagoryany, Mohyliv-Podilskyi district Vinnytsia region.	
<b>LLC «Vinnytsia Poultry Farm»</b>	<b>Detailed design</b> Outdoor power supply by cable lines 10 kV of slaughter department of broiler chickens slaughter complex «Vinnytsia Broiler» from switchgear 10 kV of the substation 110/35/10 kV «Zaozerna» to indoor switchgear-1,2 10 kV (second part).	24320, Ukraine, Ladyzhyn town, Svoboda St., 141
<b>State Enterprise NPC «UKRENERGO»</b>	<b>Feasibility study</b> Selection of the construction variant of power line 330 kV «Ternopil-Chernivtsi» (separate stages, calculation of electric conditions, development of the decisions at power system protection, telemechanics, computer-aided control system of technological process).	01032, Ukraine, Kyiv, Symona Petljury St., 25
<b>LLC «Edem-F»</b>	<b>Detailed design</b> Reconstruction of power system protection equipment of the transmission line 110 kV «Synkiv-Vodozabir».	48663, Ukraine, Synkiv village, Central St., 2, Zalishchyky district, Ternopil region
	<b>2014</b>	
<b>PJSC «Kyivoblenergo»</b>	<b>Detailed design</b> Reconstruction of substation 110/10 kV «N. Petrivtsi», Vyshgorod district, PJSC «Kyivoblenergo».	04136, Ukraine, Kyiv, Stetsenka St., 1-A
<b>LLC «Networks and Systems»</b>	<b>Feasibility study</b> Development of electric mains of Chernivtsi region for the realization of the project of international exchange of electricity between Ukraine and Republic of Romania.	04107, Ukraine, Kyiv, Baggovutivska St., 17-21
<b>LLC «Production and Trade Company «Ligena»</b>	<b>Feasibility study</b> Feasibility study of the scheme of power distribution of wind power plant of 30 megawatt power, which is located outside of population center, on the territory of Dalnyk village council Ovidiopil region Odessa district, to electric mains of PJSC «EC «Odessaoblenergo».	08300, Ukraine, Borispil, Gorky St., 53
<b>State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System»</b>	<b>Detailed design</b> Substation 330 kV «Ternopilska» - L-110 «Buchach» («ZBK»), «Zboriv» («Ozerna»). Technical re-equipping of signal transmission gears of high-frequency distant tripping 118 and 370 kilocycle type with the substitution for gears of automatic channel equipment-16 (32) type.	21010, Ukraine, Vinnytsia, I. Boguna St., 5

State Enterprise  
NPC «UKRENERGO»  
«Southwestern Electric  
Power System»

#### Detailed design

Substation 330 kV «Chernivetska». Transmission line-330 kV «Ivano-Frankivsk». Substitution of power system protection and safety control signal transmission gears of automatic safety control channel equipment type for automatic channel equipment- (16) 32 type.

21010, Ukraine,  
Vinnytsia,  
I. Boguna St., 5

State Enterprise NPC  
«UKRENERGO»

#### Design works

Modernization of power system protection equipment on the substations 330 kV «Artsyz» and 330 kV «Tryhaty» of South Electric Power System.

01032, Ukraine,  
Kyiv,  
Symona Petljury St.,  
25

LLC «Malvy»

#### Feasibility study

Connection to electric mains 110 kV Dnister hydroelectric power station-2, PJSC «Dniester Pumped Storage Power Station»

79066, Ukraine,  
Lviv,  
Zubrivska St., 34

LLC «Rendgy Trostyanets»

#### Design works

Reconstruction of protection devices of 110 kV transmission line «Sumivka» at substation 110 kV «Bershad».

01033, Ukraine,  
Kyiv,  
Shota Rustavelli St.,  
39/41

LLC «Rendgy Bershad»

#### Design works

Reconstruction of protection devices of 110 kV transmission line «Chernyatka» at substation 110 kV «Bershad».

01033, Ukraine,  
Kyiv,  
Shota Rustavelli St.,  
39/41

LLC «Rendgy Sarata»

#### Design works

Construction of photovoltaic power plant «Rendgy Sarata» of power 8000 kW on the territory of Shargorod district Vinnytsia region.

01033, Ukraine,  
Kyiv,  
Shota Rustavelli St.,  
39/41

## 2013

State Enterprise  
NPC «UKRENERGO»  
«Southwestern Electric  
Power System»

#### Design works

Substation 750 kV «Vinnytska». Reconstruction design of Indoor Switchgear-330 kV with replacement of circuit breakers on transformer station 330 kV in cells «B-20», «B-21», «B-22».

21010, Ukraine,  
Vinnytsia,  
I. Boguna St., 5

State Enterprise  
NPC «UKRENERGO»  
«Southwestern Electric  
Power System»

#### Design works

Completion of command transfer gear replacement of power system protection and safety control ANKA-ABPA type transmission line-330 kV Khmelnytskyi Nuclear Power Plant on substation 330 kV «Shepetivka» for microprocessor-based gears AKA-16 type.

State Enterprise  
NPC «UKRENERGO»  
«Southwestern Electric  
Power System»

#### Design works

Reconstruction of own needs gears on substation-750 kV «Vinnytska» with replacement of input and sectional automatic circuit breaker 0,4 kV Complex Transformer Substation (CTS)-1, CTS-2, CTS-3, CTS-4 ABM type for modern circuit breakers.



Customer	2013	Description of works	Contact
State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System»		<b>Design works</b> Re-calculation of estimate documentation in the design 31/10 of substation 330 kV «Khmelnyska». Reconstruction of open switchgear 110 kV.	21010, Ukraine, Vinnytsia, I. Boguna St., 5
State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System»		<b>Design works</b> Re-calculation of estimate documentation in the design 14/12 substation 330 kV «Vinnytska». Reconstruction of indoor switchgear 330 kV.	
State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System»		<b>Design works</b> Reconstruction of electric illumination mains of substation 330 kV «Ternopil» with installation of voltage regulators 0,4 kV of illumination mains.	
LLC «Energy Stream»		<b>Feasibility study</b> Connection of photovoltaic power plant of total power 60 megawatt in Kamianets-Podilskyi district Khmelnytskyi region.	03127, Ukraine, Kyiv, 40-years of October avenue, 100/2
<b>2012</b>			
PJSC «Vinnytsiaoblenergo»		<b>Detailed design</b> Reconstruction of substation 110/35/10 kV «Zhmerynka» (two-stage design: project and working documents).	21050, Ukraine, Vinnytsia, 1 May St., 2
PJSC «Vinnytsiaoblenergo»		<b>Detailed design</b> Reconstruction of substation 110/35/10 kV «Signal» (two-stage design: project and working documents).	
State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System»		<b>Detailed design</b> Reconstruction of substation 330 kV «Khmelnyska». Modernization project to replace autotransformer AT-2.	21010, Ukraine, Vinnytsia, I. Boguna St., 5
PJSC «Vinnytsiaoblenergo»		<b>Detailed design</b> Overhead transmission line 110 kV «Vinnytska» 750 – «Vuzlova»: Feasibility study for the construction of 110 kV transmission line, from substation 750 kV «Vinnytska» to substation 110 kV «Vuzlova».	21050, Ukraine, Vinnytsia, 1 May St., 2
«Ukrenergomerezhproukt» DPVNDI Lviv branch		<b>Detailed design</b> Correction of the design «Substation 330/110/35 kV «Bar». Reconstruction».	79034, Ukraine, Lviv, Heroiv Krut St., 1A

Customer	2012	Description of works	Contact
<p>State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System», Branch in Odessa «Scientific-Technical Design Center» «Kyivenerhomerzhproekt»</p>		<p><b>Design works</b> Development of electrotechnical part of reconstruction design of substation 750/330/110 kV «Vinnytska»: reconstruction of Indoor switchgear-110 kV and installation of the second AT 125 MBA.</p>	<p>21010, Ukraine, Vinnytsia, I. Boguna St., 5</p>
<p>State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System»</p>		<p><b>Design works</b> Detailed design for connection of automation panels on the basis of MP terminal RET 670 to new circuit breaker of shunt reactor of transmission line -750 kV and acting power system protection gears of substation 750 kV «Vinnytska».</p>	
<p>State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System»</p>		<p><b>Design works</b> Detailed design for connection of automation panels on the basis of MP terminal REC 670 to new circuit breakers 750 kV 2V, 6V and acting power system protection gears of substation 750 kV «Vinnytska».</p>	
<p>State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System» «Khmelnysk Electric Mains»</p>		<p><b>Detailed design</b> Substation 330 kV «Kamianets-Podilska». Bringing construction of biosecurity system of Indoor Switchgear 330 kV to an end.</p>	<p>29018, Ukraine, Khmelnytskyi, U. Gromova St., 14</p>
<p>State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System» «Khmelnysk Electric Mains»</p>		<p><b>Detailed design</b> Substation 330 kV «Shepetivka». Bringing construction of biosecurity system of Indoor Switchgear 330 kV to an end.</p>	
<p>LLC «Greentek Energy»</p>		<p><b>Feasibility study</b> Feasibility study of solar power station power distribution scheme of total capacity 136 megawatt located in Vinnytsia region.</p>	<p>01133, Ukraine, Kyiv, Kutuzova St., 18/7, room 414</p>
<p>LLC «Greentek Energy»</p>		<p><b>Feasibility study</b> Feasibility study of power distribution scheme of photovoltaic power plant LLC «Greentek Energy» of total power 45 megawatt located on the territory of Chernivtsi region.</p>	

Customer	Description of works	Contact
PJSC «Vinnytsiaoblenergo»	<b>Feasibility study and schematic design</b> Establishing of BSC on substations 35-110 kV to compensate for reactive loads on networks 110-35 kV of PJSC «Vinnytsiaoblenergo».	21050, Ukraine, Vinnytsia, 1 May St., 2
PJSC «Vinnytsiaoblenergo»	<b>Feasibility study</b> Construction of 110 kV transmission line, from substation 750 kV «Vinnytska» to substation 110 kV «Vuzlova».	
State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System»	<b>Detailed design</b> Connection of operating automation panel «4B» to the new circuit breakers at the substation 750 kV «Vinnytska».	21010, Ukraine, Vinnytsia, I. Boguna St., 5
State Territorial-Industrial Association «South-Western Railway»	<b>Detailed design</b> Electrification of Zhmerynka - Grechany - Pidvolochisk South Western Railways. Reconstruction at PJSC «Vinnytsiaoblenergo», PJSC «Khmelnyskoblenenergo» and «Southwestern Electric Power System» NEC «Ukrenergo» for external power supply of traction substation 110 kV «Komarivtsi».	01034, Ukraine, Kyiv, Lysenko St., 6

# CONSTRUCTION, INSTALLATION AND COMMISSIONING

Customer	2015	Description of works	Contact
PJSC «Myronivsky Hliboproduct» (MHP)		<b>Construction, installation and commissioning</b> Construction of a new substation 35/10 kV «Bilousivka» with the reconstruction of telemechanics and computer aided system of commercial accounting of electric power on the substation 110/35/10 kV «Zaozerna» and «KKZ».	03143, Ukraine, Kyiv, Academician Zabolotnyi St., 158
PJSC «Khmelnyskoblenenergo»		<b>Construction, installation and commissioning</b> Substation 110/10 kV «Prybuzka». Supply, installation and commissioning of the main electrotechnical equipment 110 kV and 10 kV on the basis of GIS-110 kV produced by ZF10-12G Shandong Taikai Power Engineering Co LTD (China). Supply, installation and commissioning of computer-aided control system of technological process, power system protection, connection and station part of fiber-optics connection line on the basis of PSC terminals produced by NR Electric Co. LTD (China).	29016, Ukraine, Khmelnytskyi, Khranovskyi St., 11A
LLC «Barlinek Invest»		<b>Reconstruction</b> Reconstruction of switchgear 10 kV «Barlinek» with the complete replacement of power system protection equipment.	21034, Ukraine, Vinnytsia, Chekhova St., 7B
State Enterprise NPC «UKRENERGO» South-Western Electric Power Engineering System		<b>Reconstruction</b> Reconstruction of own needs equipment of the substation 750 kV «Vinnytska» with the substitution of lead-in and section automatic switches 0,4 kV Complex Transformer Substation1, CTS2, CTS3, CTS4.	21010, Ukraine, Vinnytsia, I. Boguna St., 5
State Enterprise NPC «UKRENERGO» South-Western Electric Power Engineering System		<b>Installation and commissioning</b> Implementation of installation works of switchgear 330 kV and its control panels on the substation 330 kV «Kozyatyn».	
LLC «Barlinek Invest»		<b>Construction, installation and commissioning</b> Repair of two air-cable lines 10 kV with the substitution of ending oil switchgears 10 kV to vacuum.	21034, Ukraine, Vinnytsia, Chekhova St., 7B

Customer	Description of works	Contact
<b>2015</b>		
LLC «Barlinek Invest»	<b>Installation and commissioning works</b> Organization of regime observation of switchgear 10 kV «Barlinek» load.	21034, Ukraine, Vinnytsia, Chekhova St., 7B
LLC «Greentek Energy»	<b>Implementation of systematic control</b> Control of power system protection equipment in the extent of K1 on the solar-power station «LLC «Lymanska Energy 1», solar-power station «LLC «Lymanska Energy 2», solar-power station «LLC«Franko Solar», solar-power station «LLC«Franko PiVi».	01133, Ukraine, Kyiv, Kutuzova St., 18/7, office 414.
<b>2014</b>		
State Enterprise NPC «UKRENERGO» «Northern Electric Power System»	<b>Reconstruction</b> Outdoor switchgear -35 kV on substation 330 kV «Sumy» by means of substitution of voltage transformer VT-35 kV 1AT, 3AT, 4AT for VT with hard insulation.	61003, Ukraine, Kharkiv, Kooperativna St., 12/14
PJSC «Khmelnyskoblenenergo»	<b>Reconstruction</b> Substation 110/35/10 kV «Slavuta» Khmelnytskyi region.	29016, Ukraine, Khmelnyskyi, Khranovskyi St., 11A
Private enterprise «Energostream»	<b>Construction, installation and commissioning</b> High-frequency protection posts of transmission line 110 kV «Chernihiv combined heat and power plant – Traction substation Chernihiv» on the substation «Chernihiv CHP» (1 piece) and substation «Traction Chernihiv» (1 piece.).	04107, Ukraine, Kyiv, Baggovutivska St., 17-21
PJSC «Vinnytsia Confectionary Factory»	<b>Installation and commissioning works</b> Installation of ROSHEN Corporation production lines equipment.	21001, Ukraine, Vinnytsia, Lypovetska St.
LLC «IBC Holding»	<b>Reconstruction</b> Reconstruction of cable line (CL) 10 kV and fiber optic CL at the facility «Vinnytsia Confectionery Factory №2», 4th phase of construction.	04050, Ukraine, Kyiv, Glubochytska St., 33/37
PJSC «Vinnytsiaoblenergo»	<b>Reconstruction</b> Reconstruction of protection devices of 110 kV transmission line «Sumivka» at substation 110 kV «Bershad».	21050, Ukraine, Vinnytsia, 1 May St., 2.
PJSC «Vinnytsiaoblenergo»	<b>Reconstruction</b> Reconstruction of protection devices of 110 kV transmission line «Gnatkiv» at substation 110 kV «Tomashpil».	

Customer	2014	Description of works	Contact
PJSC «Khmelnyskoblenenergo»		<b>Reconstruction</b> Reconstruction of substation 35/10 kV «Ripna».	29016, Ukraine, Khmelnyskyi, Khranovskyi St., 11A
PJSC «Vinnytsiaoblenergo»		<b>Reconstruction</b> Reconstruction of substation 35/10 kV «Shpikov» 1st turn with replacement of power transformer and switchgear-35 kV.	21050, Ukraine, Vinnytsia, 1 May St., 2
	<b>2013</b>		
LLC «First Power Construction Company «Energy»		<b>Construction, installation and commissioning</b> Modernization of cells of Outdoor switchgear 154 kV of traction substation «Musiivka» State Enterprise «Prydniprovska railway».	01103, Ukraine, Kyiv, Kikvidze St. 31, office 1
	<b>2012</b>		
PJSC «Vinnytsiaoblenergo»		<b>Construction, installation and commissioning</b> Replacement of transformers at the substation 110/35/10 kV «Zhmerynka» with reconstruction of foundation and oil catchers.	21050, Ukraine, Vinnytsia, 1 May St., 2.
PJSC «Vinnytsiaoblenergo»		<b>Construction, installation and commissioning</b> Replacement of transformers at the substation 110/35/10 kV «Signal» the reconstruction of the foundation and oil catchers.	
PJSC «Vinnytsiaoblenergo»		<b>Construction, installation and commissioning</b> Replacement of transformers at the substation 35/10 kV «Central» with the reconstruction of foundation and oil catchers.	
PJSC «Poltavaoblenergo»		<b>Construction, installation and commissioning</b> Reconstruction of 110 kV overhead line Mashivka - N.Hryhorivka PJSC «Poltavaoblenergo» on the object «Implementation of high-speed passenger trains on the section Hrebinka - Poltava - Krasnograd - Kharkiv - Lozova».	36022, Ukraine, Poltava, Staryi Podil St., 5
PJSC «Poltavaoblenergo»		<b>Construction, installation and commissioning</b> Reconstruction of 110/35/10 kV substation «Mashivka» PJSC «Poltavaoblenergo»: Replacement of power transformer 1T with the capacity of 10 MVA for a new one.	

Customer	2012	Description of works	Contact
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<b>PJSC «Poltavaoblenergo»</b>	<b>Construction, installation and commissioning</b>	Reconstruction of substation «Rozsoshentsi» 110/10 kV, v. Rozsoshentsi, Poltava district. Replacement of power transformers of PJSC «Poltavaoblenergo».	36022, Ukraine, Poltava, Staryi Podil St., 5
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<b>PJSC «Poltavaoblenergo»</b>	<b>Construction, installation and commissioning</b>	Reconstruction of 110 kV overhead line Karlovka - Krasnograd (to run №N°11-12) of PJSC «Poltavaoblenergo» on the object «Implementation of high-speed passenger trains on the section Hrebinka - Poltava - Krasnograd - Kharkiv – Lozova».	
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<b>State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System»</b>	<b>Reconstruction</b>	Reconstruction of Indoor switchgear 750 on substation 750 kV «Vinnytska» in the part of replacement of safety control automatics complex of transmission line 750 kV «South-Ukrainian APP» and «Western-Ukrainian».	21010, Ukraine, Vinnytsia, I. Boguna St., 5
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<b>State Enterprise NPC «UKRENERGO» «Southwestern Electric Power System»</b>	<b>Reconstruction</b>	Reconstruction of internal distribution structure-750 on substation-750 kV «Vinnytska» of reactor cell of shunt reactor-750 «Western-Ukrainian».	
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<b>PE «Garant Energo»</b>	<b>Construction, installation and commissioning</b>	Construction of cell 110 kV on substation 330/110/35 kV «Bar» for external power supply stationary traction substation on Komarivtsi South Western Railway with supplying of materials and equipment.	04050, Ukraine, Kyiv, Pymonenka St., 13
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<b>LLC «Dniprozhybud»</b>	<b>Construction, installation and commissioning</b>	External electrical supply of Byrzuliv ilmenite sands. Substation 35/6 kV «Rodovysche».	49050, Ukraine, Dnipropetrovsk, General Pushkin St., 87A
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Director  
of LLC «Podilskiy Energoconsulting»



**S.V. Shakalov**



LIMITED LIABILITY COMPANY

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## INFORMATION ABOUT THE COMPANY

LLC «Podilskiy Energoconsulting» is a recognized organization on the market of electric power engineering in Ukraine. The main sphere of activity of LLC “Podilskiy Energoconsulting” is the accomplishment of works in systemically important high voltage networks and distributive networks of medium and low voltage. The spheres of realization of company’s works are:

- outdoor, indoor and complex switchgears of all voltage types: from 10 kV to 750 kV, constructed on the base of gas-insulated, vacuum and oil equipment with the usage of traditional methods of non-stiff bus bar equipment grouping as well as on the base of modern compact planning decisions based on stiff bus bar;
- high voltage transmission lines of all voltage types: from 10 kV to 750 kV;
- high voltage cable lines from 10 kV to 110 kV with the usage of cable with the insulation of vulcanized polyethylene;
- power static electric machines such as: transformers, reactors, compensate gears and others;
- automation, operation, telemechanics, power system protection and safety control of any complexity, founded on microprocessor, semi-conductor and electromechanical base;
- accessory complexes: cabling, the systems of collection and removal of oil, lightning protection, grounding, lighting, transportation and arrangement of the territories of substations;
- distributive power networks of low voltage, including the usage of complete insulated power lines.

In the listed spheres the organization accomplishes all types of works:

- development of design-estimate documentation of any complexity and phase, including feasibility studies and working documentation, «shovel ready» — with the getting of technical accounting of electricity transmission and other organizations, agreement in all needed authorities, undergo of state examination and performance of functions of Customer Service;
- making sets and supply of all needed electrotechnical equipment and materials;
- construction and installation works;
- all commissioning works, including works in the part of power system protection and safety control with the giving of all necessary executive and operation documentation;
- providing the stuff with training in running of new and reconstructed objects with new types of equipment.

Work experience on power engineering market of Ukraine gives our company possibility to perform effective solutions



of not only technical but also organizational and licensing issues. Implementation of «customer service» works allows us to solve organizational and licensing issues on the stage of accomplishment and commissioning works in short terms with minimal participation of the customer, that greatly optimizes the term of commissioning of the object.

Our strategic partners in power engineering are the best world producers of the equipment, in particular ALSTOM, ABB. Long time cooperation with the suppliers of the equipment («Zaporozhtransformator» PJSC (ZTR), ABB Ukraine, Siemens, Alstom, CJSC «ZETO», Electrotechnical company «Eltechcom», LLC «ABM Amper», Electrotechnical company «Eknis-Ukraine» and others) gives a customer wide range of solutions` choice by the criteria quality/cost and effective control of terms and quality of equipment supplies.