REFERENCE PROJECTS

233+ Successfully Delivered Projects

Delivering complex high-voltage infrastructure, substations, renewable energy and energy storage projects with precision, reliability and engineering excellence.

PSS BULGARIA
POWER SUPPLY SOLUTIONS







HIGH-VOLTAGE INFRASTRUCTURE | SUBSTATIONS | RENEWABLE ENERGY | ENERGY STORAGE | TESTING & COMMISSIONING | 233+ PROJECTS DELIVERED

PROJECTS TIMELINE



17 Years of Engineering Excellence

From transmission infrastructure and substations to renewable energy and battery storage systems, PSS Bulgaria has continuously expanded its capabilities, delivering complex projects with reliability and precision.

2009 — FOUNDATION

A strong start towards the future of power engineering.

2012 — SUBSTATION MODERNIZATION

Relay protection & commissioning.

2015 — EXPANSION OF HV PROJECTS

110kV, 220kV and 400kV infrastructure.

2018 — RENEWABLE ENERGY INTEGRATION

Grid connection projects.

2022 — BESS & SMART ENERGY SYSTEMS

Turnkey delivery & full EMS integration.

2026 — 233+ SUCCESSFULLY DELIVERED PROJECTS

Complete EPC and commissioning solutions.

TRANSMISSION INFRASTRUCTURE | SUBSTATIONS | RENEWABLE ENERGY | ENERGY STORAGE | TESTING & COMMISSIONING | 17 YEARS OF EXPERIENCE

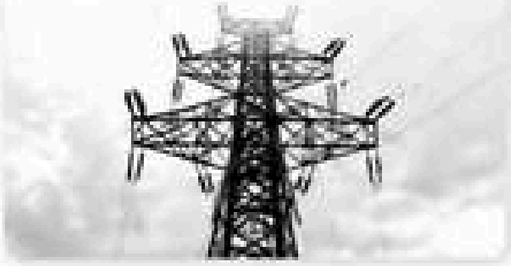
PORTFOLIO OVERVIEW

Projects by Sector

Delivering engineering excellence across transmission infrastructure, substations, renewable energy and advanced testing solutions.

TRANSMISSION LINES

High-voltage transmission line design and construction.



SUBSTATIONS

EPC of high-voltage substations and switchyards.



RENEWABLE ENERGY

Grid connection and integration of renewable energy plants.



ENERGY STORAGE

Battery energy storage systems and energy optimization.



TESTING & COMMISSIONING

Advanced testing, diagnostics and commissioning services.



INSTALLATION

Professional installation and electrical works.

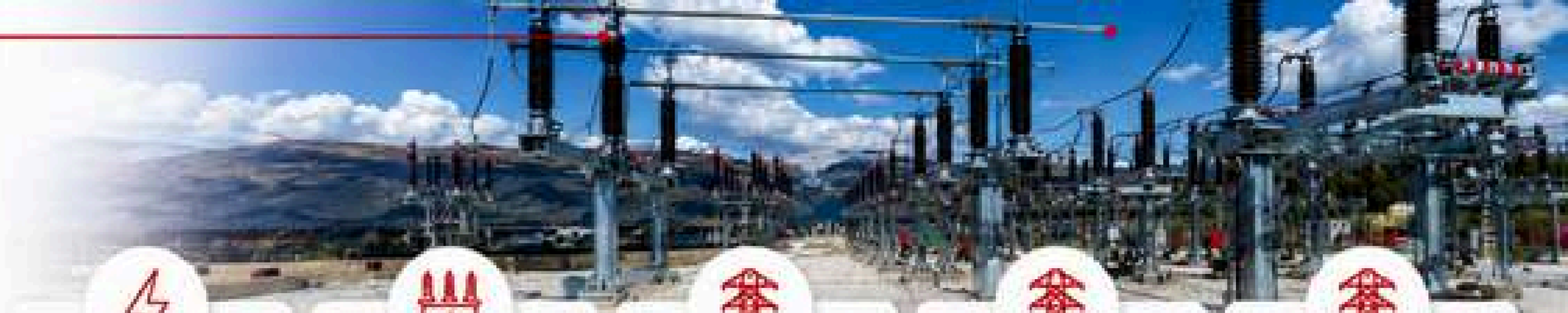


TRANSMISSION INFRASTRUCTURE | SUBSTATIONS | RENEWABLE ENERGY | ENERGY STORAGE | TESTING & COMMISSIONING | INSTALLATION | 17 YEARS OF EXPERIENCE

PROJECTS BY VOLTAGE LEVEL

20 kV • 33 kV • 110 kV • 220 kV • 400 kV

From medium-voltage distributor to ultra-high voltage transmission, PSS Bulgaria delivers projects across the entire power value chain with proven expertise and reliability.



20 kV

MEDIUM VOLTAGE DISTRIBUTION



38+

PROJECTS DELIVERED

33 kV

PRIMARY DISTRIBUTION

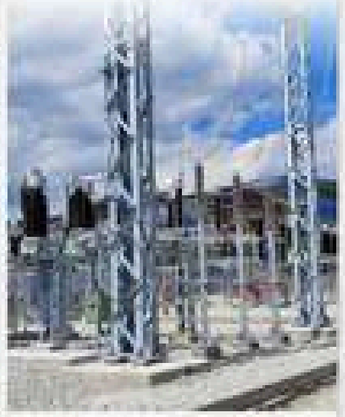


45+

PROJECTS DELIVERED

110 kV

SUBSTATION INFRASTRUCTURE

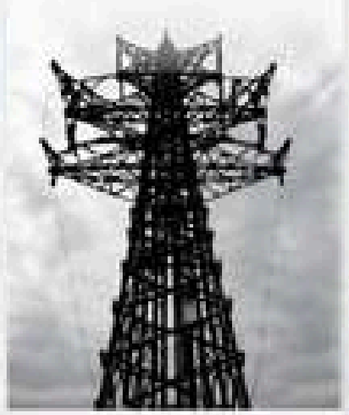


78+

PROJECTS DELIVERED

220 kV

HIGH VOLTAGE TRANSMISSION



49+

PROJECTS DELIVERED

400 kV

EXTRA HIGH VOLTAGE TRANSMISSION



23+

PROJECTS DELIVERED

HIGH-VOLTAGE INFRASTRUCTURE | SUBSTATIONS | RENEWABLE ENERGY | ENERGY STORAGE | TESTING & COMMISSIONING | INDUSTRIAL INFRASTRUCTURE | 17 YEARS OF EXPERIENCE

DETAILED REFERENCE LIST

Introduction

The following pages present a detailed reference list of 233+ successfully delivered projects by year.

Each project reflects our commitment to engineering excellence, safety, quality and long-term performance.

PROVEN EXPERIENCE

17 years of delivering complex projects with reliability

ENGINEERING EXCELLENCE

High standards in design, execution and commissioning

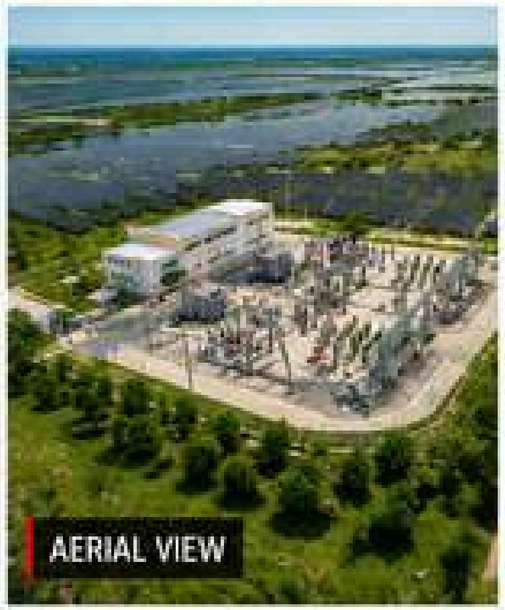
CUSTOMER FOCUS

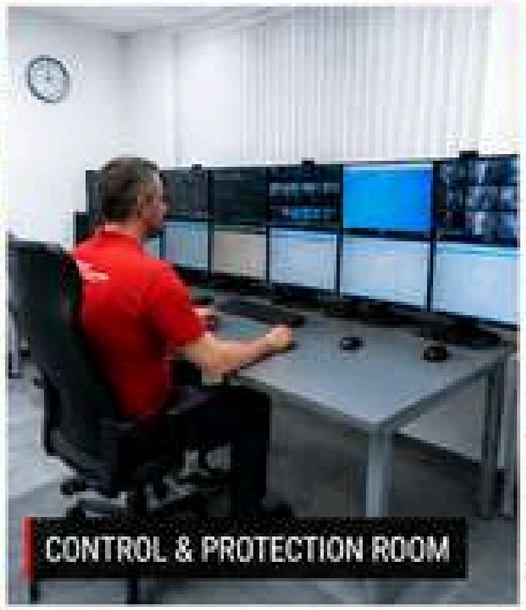
Long-term partnerships built on trust and performance

CONTINUOUS GROWTH

Expanding capabilities and delivering value across sectors.




AERIAL VIEW


CONTROL & PROTECTION ROOM


TRANSFORMER YARD

HIGH-VOLTAGE INFRASTRUCTURE | SUBSTATIONS | RENEWABLE ENERGY | ENERGY STORAGE | TESTING & COMMISSIONING | INDUSTRIAL INFRASTRUCTURE | 233+ PROJECTS DELIVERED

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2009 - 2019	1 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
1	**PV Plant "Levunovo"**	OH Cable Transition • Cable Line • Node & Inverter Stations	20 kV	2.5 MW	Levunovo
2	**Maritsa Bulgaria Gypsum Plant**	OH Cable Transition • Cable Line • Mine Substation Retrofit	110 kV	10 MVA	Maritsa
3	**PV Plant "Apriltsi"**	New OHL • OHL Rehabilitation • Grid Equivalent Model	110 kV	80 MW	Apriltsi
4	**Wind Farm "Vranino"**	Concept & Detailed Design • Cable Line • OH Cable Transition	110 kV	—	Vranino
5	**TPP "Sofia"**	Feasibility Study • Electrical Concept Design • Turbogenerator Engineering	—	35 MW	Sofia
6	**PV Plant "Dabovo"**	Node Stations • OHL Diversion • Cable Line • Feeder Bay • Busbar Protection • RTU Integration	20/110 kV	9.9 MW	Dabovo
7	**Node Station "Dolni Lozen"**	Detailed Design • Cable Line	20 kV	—	Dolni Lozen
8	**PV Plant "Pordim"**	Solar Energy Audit • Rooftop PV Detailed Design	—	130 kW	Pordim
9	**Paradise Mall**	Detailed Design • New Substation • Cable Connection	110/20 kV	—	Sofia
10	**Bulgaria Mall**	Detailed Design • New Substation • Cable Connection	110/20 kV	—	Sofia

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026.
Detailed information is available upon request.

RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2009 - 2019	2 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
11	Substation "Krasno Selo"	New Cable Bays • Switchgear Reconstruction	110/20/10 kV	—	Sofia
12	Wind Farm "Dolni Vit"	OHL • New Step-up Substation • Cable Network • Grid Equivalent Model • WTG Foundations & Platforms	33/110 kV	50 MW	Dolni Vit
13	Wind Farm "Somovit"	OHL • OHL Reconstruction • Node Substation • Step-up Substation • Cable Network • Grid Equivalent Model • WTG Foundations & Platforms	33/110 kV	120 MW	Somovit
14	HPP "Ivanik"	Supply & Installation • Power Transformer • MV Switchgear	6.3/20 kV	1.1 MW	Ivanik
15	Substation "Festivalna"	Concept & Detailed Design • Node Station • MV Switchgear Replacement • Bay Rehabilitation • New Switchgear • Transformer Automation	110/20/10.5 kV	—	Sofia
16	Carrefour Shopping Centre	Concept & Detailed Design • OHL Undergrounding (2 Spans)	110 kV	2 spans	Sofia
17	Biomass CHP Plant	Feasibility Study	—	—	—
18	Substation "Krasno Selo"	Detailed Design • MV Switchgear Bay Reconstruction	20 kV	—	Sofia
19	Substation "Dabovo"	Voltage Transformers • Busbar Protection • RTU Integration • SCADA Expansion	110/20 kV	—	Dabovo
20	Wind Farm "Gen. Toshevo"	Concept & Technical Design • Two Step-up Substations • Cable Line	35/110 kV	300 MW / 26 km	Gen. Toshevo

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026.
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RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2009 - 2019	3 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
21	**Substation "Vidno"**	Concept Design • New Substation	400/110 kV	—	Vidno
22	**Wind Farm "QB Oils"**	Concept & Technical Design • Step-up Substation • Cable Line	35/110 kV	150 MW / 9 km	QB Oils
23	**Wind Farm "Smin"**	Concept & Technical Design • Two Step-up Substations • Cable Lines	35/110 kV	196 MW / 50 km	Smin
24	**Substation "Gotse Delchev"**	Detailed Design • Voltage Transformer Replacement	20 kV	—	Gotse Delchev
25	**Substation "Petrich"**	Detailed Design • Current Transformer Replacement	20 kV	—	Petrich
26	**Substation "Tuzlata"**	Concept & Technical Design • New Substation	20/110 kV	—	Tuzlata
27	**Substation "Ustrem"**	Concept Design • New Substation • OHL Connection	400/110 kV	35 km	Ustrem
28	**Maritsa Bulgaria Gypsum Plant**	Concept & Detailed Design • New Substation	110/6.3 kV	—	Maritsa
29	**PV Plant "Pop Gruevo"**	Bay Rehabilitation • Grid Equivalent Model	20 kV	—	Pop Gruevo
30	**Substation "Chelopech"**	Concept & Detailed Design • Substation Expansion & Reconstruction	110/10/6.3 kV	—	Chelopech

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026.
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RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2009 - 2019	4 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
31	**PV Plant "Kameno"**	Grid Equivalent Model	—	12.3 MW	Kameno
32	**HPP "Pasarel" & "Kokalyane"**	Hydrogenerator Modernization • Testing & Commissioning • Relay Protection Settings	—	—	Pasarel / Kokalyane
33	**Wind Farm "Vranino"**	SCADA Communication Link • Supply • Installation • Commissioning	—	—	Vranino
34	**Operator Station "Toshel 92"**	Detailed Design • Internal Power & Lighting Installation	—	—	—
35	**Substation "Moderno Predgradie"**	Detailed Design • MV Bay Rehabilitation	20 kV	—	Sofia
36	**Substation "Sofia East"**	MV Bay Rehabilitation	110/10 kV	—	Sofia
37	**ATS "City Mall"**	MV Switchgear • Auxiliary Power Board • ATS Panel	20 kV	3 MV Panels	Stara Zagora
38	**Substation "Knyazhevo"**	New MV Switchgear Bay	110/20/10 kV	—	Sofia
39	**Plaza West Shopping Centre**	New Substation • Cable Connection	110/20 kV	—	Sofia
40	**Maritsa Bulgaria Gypsum Plant**	Power Supply Assessment • Seasonal Load Analysis • Network Capacity Evaluation	—	—	Maritsa

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026.
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RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2009 - 2019	5 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
41	**Substation "Deçan"**	New Transformer Bay	110/35 kV	—	Kosovo
42	**Kozloduy NPP**	Backup Supply for Rectifiers EQ60 & EQ61	—	—	Kozloduy
43	**Substation "Balchik"**	Busbar Overvoltage Protection • Secondary Circuits • Relay Protection Settings	110 kV	—	Balchik
44	**HPP "Prokopanik"**	Relay Protection Testing (ARTES 440 II)	—	—	Prokopanik
45	**Transmission Line Project**	OHL Clearance Verification • Terrain Compliance Assessment	110 kV	—	—
46	**Maritsa East – Maritsa East 3 OHL**	Route Selection • Spatial Planning • Tower Layout	400 kV	—	Bulgaria
47	**Plovdiv – Maritsa East OHL**	Route Selection • Spatial Planning • Tower Layout	400 kV	—	Bulgaria
48	**Maritsa East – Burgas OHL**	Route Selection • Spatial Planning • Tower Layout	400 kV	—	Bulgaria
49	**Substation "Deçan"**	Supply of Auxiliary Relays • Position Indicators • REG-D Voltage Regulator	110/35 kV	—	Kosovo
50	**Substation "Mezdra"**	MV Switchgear Retrofit	110/20 kV	—	Mezdra

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026.
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RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+ COMPLETED PROJECTS | **2009 - 2019** PERIOD | **6 / 24** PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
51	**Deven TPP**	Relay Protection Testing • Protection Settings • Generator Selectivity Study	—	6 MVA	Deven
52	**PV Plant "Rabrovo"**	Electrical & SCADA Consulting During Construction	—	—	North Macedonia
53	**HPP "Kokalyane"**	Power Transformer Replacement • Supply • Installation • Testing & Commissioning	110/20 kV	2 × 15 MVA	Kokalyane
54	**Schneider Electric (SM6)**	Secondary Protection Design • 9 SM6 Switchgear Types	—	9 Types	—
55	**HPP "Sukhumi"**	Secondary Circuits • Relay Protection Settings • MV Switchgear	6.3 kV	—	Georgia
56	**MG Gjilani 1_T1**	Metering System • Supply • Installation • Testing & Commissioning	—	—	Kosovo
57	**MG Gjilani 1_T2**	Metering System • Supply • Installation • Testing & Commissioning	—	—	Kosovo
58	**MG Prishtina 3_T1**	Metering System • Supply • Installation • Testing & Commissioning	—	—	Kosovo
59	**Knauf Substation**	Multi-Discipline Design • Partial Supply • Installation • Testing & Commissioning	110/6.3 kV	—	—
60	**Aurubis Plant**	Longitudinal Differential Protection Testing	—	2 Systems	Bulgaria

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026.
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RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2009 - 2019	7 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
61	**Devin HPP**	Busbar Differential Protection Design	—	—	Devin
62	**Kronospan Plant**	20kV Power Supply Design • Existing & New MV Switchgear	20 kV	—	Veliko Tarnovo
63	**Pasarel HPP**	Power Transformer Replacement • Supply • Installation • Testing & Commissioning	110/20 kV	—	Pasarel
64	**Paper Mill**	Power Supply Feasibility Study	—	—	North Macedonia
65	**Kronospan Substation**	New Supply Substation	110/20 kV	—	Veliko Tarnovo
66	**Kronospan Grid Connection**	Grid Connection OHL • OHL Reconstruction	110 kV	—	Veliko Tarnovo
67	**Entiz Industrial Zone Substation**	Concept Design • Technical Specification for New Substation	110/20 kV	—	Trakia Economic Zone
68	**Capital Fort Substation**	Multi-Discipline Design • Indoor Substation	110/20 kV	—	Sofia
69	**Capital Fort Grid Connection**	OH Cable Transition • OHL Reconstruction • OPGW Replacement*	110 kV	—	Sofia
70	**Capital Fort Grid Connection**	New Underground Cable Connection	110 kV	—	Sofia

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026.
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RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2009 - 2019	8 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
71	**Kadin Most OHL**	Additional Protection & Communication Equipment	110 kV	Span 44–45	Sofia
72	**Kubratovo OHL**	OPGW Upgrade • Multi-Discipline Design	110 kV	—	Kubratovo
73	**Beton OHL**	OPGW Upgrade • Multi-Discipline Design	110 kV	—	Sofia
74	**LUKOIL Neftochim Burgas**	MV & HV Switchgear Reconstruction	MV / HV	—	Burgas
75	**Maritsa Building Gypsum Plant**	Grid Connection Design • Multi-Discipline Engineering	20 kV	—	Bulgaria
76	**Longoza OHL**	Complete OHL Reconstruction	110 kV	—	Dimitrovgrad – Maritsa East
77	**MG Prishtina 2_T2**	Metering System • Supply • Installation • Testing & Commissioning	—	—	Kosovo
78	**MG Prizreni 1 TR-1**	Metering System • Supply • Installation • Testing & Commissioning	—	—	Kosovo
79	**MG Theranda T1 & T2**	Metering System • Supply • Installation • Testing & Commissioning	—	—	Kosovo
80	**Longoza OHL**	Ground Clearance Restoration • New Towers	110 kV	—	Bulgaria

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026.
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RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2009 - 2019	9 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
81	Varna TPP	Powerhouse Lighting System Reconstruction	—	—	Varna
82	Varna – Kavarna OHL	New Double-Circuit OHL • Multi-Discipline Design	110 kV	—	Varna – Kavarna
83	Varna West Substation	Switchyard Reconfiguration for New OHL Connections	110 kV	—	Varna
84	Batovo & Kichevo OHL	Spatial Development Plan (PUP/PP)	110 kV	—	Varna – Kavarna
85	Enos Cable Line	As-Built Survey • Cadastre Registration	110 kV	—	Sofia
86	Sila OHL	Complete OHL Reconstruction	220 kV	—	Bulgaria
87	HPP "Chernogorovo"	Relay Protection Engineering	—	—	Chernogorovo
88	CMC-S-KoCoS 1	Technical Training	—	—	—
89	KW Gulling	Relay Protection Panels • Supply • Installation • Testing & Commissioning	—	—	Austria
90	Kamchia OHL	As-Built Survey • Cadastre Registration	220 kV	—	Bulgaria

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026.
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RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2009 - 2019	10 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
91	**Odessos • Primorets • Kaloyan OHL**	Condition Assessment • OHL Rehabilitation Design	220/110 kV	—	Varna Region
92	**Biovet Substation (New)**	Indoor Substation • Multi-Discipline Design • Design Supervision	110/6 kV	—	Peshtera
93	**Biovet Substation (Existing)**	Substation Reconstruction	110/6 kV	—	Peshtera
94	**Dipel & Isperihovo OHL**	OHL Reconstruction for Grid Connection	110 kV	—	Peshtera
95	**Biovet Cable Connections**	New Underground Cable Connections	110 kV	—	Peshtera
96	**Ruda OHL**	As-Built Survey • Cadastre Registration	110 kV	—	Bulgaria
97	**Substation "Zheleznik"**	MV Switchgear Retrofit	—	—	Stara Zagora
98	**Morarp Substation**	Testing & Commissioning	—	—	Sweden
99	**San Stefano & Dan Kolov OHL**	As-Built Survey • Cadastre Registration	400 kV	—	Maritsa East – Burgas
100	**Pasarel HPP**	Supply • Testing & Commissioning (Hydrogenerator Unit 1)	—	HG-1	Pasarel

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026. **Detailed information is available upon request.**

RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2009 - 2019	11 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
101	Ayazmo Cable Line	Complete Cable Line Rehabilitation	110 kV	—	Stara Zagora
102	Darvenitsa & Pancharevo OHL	Cable Conversion • Complete OHL Reconstruction	220 kV	—	Sofia
103	Darvenitsa & Pancharevo OHL	Underground Cable Terminations (Outdoor Sealing Ends)	220 kV	—	Sofia South / Kazichene
104	Drava OHL	OHL Diversion & Reconstruction	20 kV	—	Bulgaria
105	Darvenitsa & Pancharevo OHL	Testing • Commissioning • Outdoor Cable Terminations	220 kV	—	Sofia South / Kazichene
106	Substation "Ribari"	CCTV • Fire Detection • Intrusion Detection • Perimeter Security	—	—	Bulgaria
107	Substation "Madzharovo"	CCTV • Fire Detection • Intrusion Detection • Perimeter Security	—	—	Madzharovo
108	Substation "Horizont"	CCTV • Fire Detection • Intrusion Detection • Perimeter Security	—	—	Bulgaria
109	Substation "Haskovo"	CCTV • Fire Detection • Intrusion Detection • Perimeter Security	—	—	Haskovo
110	Substation "Helios"	CCTV • Fire Detection • Intrusion Detection • Perimeter Security	—	—	Bulgaria

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026.
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RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2009 - 2019	12 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
111	KCM – External Power Supply	MV Switchgear • Supply • Installation • Testing & Commissioning	6 kV	5 Feeder Bays	Plovdiv
112	Tintyava – Asambleya OHL	OHL Reconstruction	110 kV	—	Sofia
113	TPP	Connection of Two Power Transformers • 110kV Indoor Switchgear	110/11 kV	2 Transformers	Bulgaria
114	PV Plant (ATZ)	New Substation • New OHL • Switchyard Reconstruction	110 kV	—	ATZ
115	PV Plant "Ivanivanovtsi"	Metal-Enclosed MV Switchgear • 20kV Cable Network • Spatial Development Plan	20 kV	—	Ivanivanovtsi
116	PV Plant "Selac"	Relay Protection Settings	—	—	Kosovo
117	Pfaffenau Waste-to-Energy Plant	MV Switchgear • Relay Protection • Testing & Commissioning	20 kV	—	Vienna, Austria
118	Chaira PSPP	Relay Protection Retrofit • Generator Circuit Breakers • Revenue Metering • Supply • Installation • Testing & Commissioning	—	—	Chaira
119	Flarken Substation	Testing & Commissioning	—	—	Sweden

The complete reference list contains 233+ projects delivered by PSS Bulgaria during the period 2009–2026.
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RELIABLE EXPERIENCE | PROVEN EXPERTISE | DELIVERED RESULTS | TRUSTED PARTNER

DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+ COMPLETED PROJECTS | **2020** PERIOD | **13 / 24** PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
120	**Substation "Elin Pelin"**	MV Switchgear Retrofit	20 kV	—	Elin Pelin
121	**Maritsa East – Burgas OHL • Maritsa East – Maritsa East 3 OHL**	As-Built Survey	400 kV	—	Bulgaria
122	**Substation "Hristo Prodanov"**	MV Switchgear Retrofit	20 kV	—	Bulgaria
123	**Substation "Aprilovo"**	MV Switchgear Retrofit	20 kV	—	Aprilovo
124	**EVN District Heating**	6kV Auxiliary Power Systems	6 kV	—	Bulgaria
125	**NEPLAN Software**	Software Licensing • Technical Training	—	—	Bulgaria
126	**Substation "Septemvriytsi"**	Indoor MV Switchgear Retrofit	20 kV	—	Bulgaria
127	**Substation "Zora"**	MV Switchgear Retrofit	10 kV	—	Bulgaria
128	**Substation "Burgas Center"**	MV Switchgear Retrofit	20 kV	—	Burgas
129	**Sofia Med**	Transformer Relay Protection Replacement	110/6 kV	—	Sofia
130	**Substation "Ostrova"**	MV Switchgear Retrofit	20 kV	—	Bulgaria

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DETAILED REFERENCE LIST APPENDIX

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233+	2020-2021	14 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
131	**Kozyak Cable Line**	Cable Line Diversion	110 kV	—	Sofia
132	**Substation "Stanimaka"**	MV Switchgear Retrofit	20 kV	—	Asenovgrad
133	**Substation "Meden Rudnik"**	MV Switchgear Retrofit	20 kV	—	Burgas
134	**Substation "Valchedram"**	MV Switchgear Retrofit	20 kV	—	Valchedram
135	**Kaliman OHL**	OHL Reconstruction	110 kV	—	Bulgaria
136	**KCM GPP Substation**	Substation Reconstruction & Extension	110/6 kV	—	Plovdiv
137	**Substation "Sofia Center"**	MV Switchgear Retrofit	110/10 kV	—	Sofia
138	**Pernik TPP**	Power Transformer Replacement • Supply • Installation • Testing & Commissioning	110/6.3/6.3 kV	Transformer T2	Pernik
139	**LUKOIL Neftochim Burgas TPP**	Connection of Two Power Transformers • 110kV Indoor Switchgear	110/11 kV	2 Transformers (ST5 & ST6)	Burgas
140	**Tintyava – Asambleya OHL**	OHL Reconstruction	110 kV	—	Sofia

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233+ COMPLETED PROJECTS | **2021** PERIOD | **15 / 24** PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
141	PV Plant "Dalgo Pole"	New 110kV Feeder Bay • Step-up Substation • Grid Connection OHL	33/110 kV	—	Dalgo Pole
142	PV Plant (ATZ)	New Substation • New OHL • Switchyard Reconstruction	110 kV	—	ATZ
143	Substation "Ramanusha"	New Substation • New Grid Connection OHL	110/33 kV	—	Sliven Region
144	PV Plant "Ramanusha"	Customer Substation • Grid Connection OHL	110 kV	—	Sliven
145	PV Plant "Sredets"	Step-up Substation • Grid Connection OHL	33/110 kV	35 MW	Sredets
146	Asarel Medet – Disintegration Plant 2	Relay Protection Settings • Testing • Commissioning	—	—	Panagyurishte
147	PV Plant "Verila"	New Substation • New OHL • OHL Reconstruction • Node Substation	110 kV	—	Verila
148	Neochim AD	Preventive Maintenance of Electrical Installations	—	—	Dimitrovgrad
149	Asarel Medet – Water Supply Substation	MV Switchgear Retrofit • Relay Protection Engineering • Testing & Commissioning	—	—	Panagyurishte

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DETAILED REFERENCE LIST APPENDIX

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233+ COMPLETED PROJECTS | **2022** PERIOD | **16 / 24** PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
150	Kostenets – Septemvri Railway Modernization	Electrical Design	—	—	Bulgaria
151	PV Plant "Maglish"	Grid Connection OHL	110 kV	—	Maglish / Dabovo
152	Substation "Nova Zagora"	MV Switchgear Bays Reconstruction • Supply • Installation • Testing & Commissioning	20 kV	2 Bays	Nova Zagora
153	Substation "Obruchishte"	Transformer Differential Protection Replacement • Supply • Installation • Testing & Commissioning	—	—	Obruchishte
154	PV Plant "Kamenyak"	Node Substation • Step-up Substation • Grid Connection OHL	33/110 kV	64 MW	Kamenyak, Hitrino
155	PV Plant "Dve Mogili"	Step-up Substation	33/110 kV	35 MW	Dve Mogili
156	Node Station "Lyubimets"	Node Station Design	20 kV	—	Lyubimets
157	Substation "Chernozemen"	110kV Feeder Bay • Supply • Installation • Testing & Commissioning	110 kV	—	Chernozemen
158	PV Plant "Verila"	Node Substation • Step-up Substation • Supply • Installation • Testing & Commissioning	33/110 kV	100 MW	Verila
159	Kronospan Substation	Relay Protection & Equipment Preventive Maintenance	—	—	Veliko Tarnovo
160	PV Plant "Gulyantsi"	Node Stations • Package Substations • MV Cable Network • Supply • Installation • Testing & Commissioning	20 kV	10 MW	Gulyantsi

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DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2022-2023	17 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
161	PV Plant "Oreshak"	Grid Connection Design	—	5 MW	Oreshak, Troyan
162	HPP "Kokalyane" & HPP "Pasarel"	Relay Protection & Equipment Preventive Maintenance	—	—	Bulgaria
163	PV Plant "Debelt"	Step-up Substation • Grid Connection Cable Line	33/110 kV	25 MW	Debelt
164	HPP "Boymir"	Step-up Substation • Grid Connection Cable Line	33/110 kV	49 MW	Boymir
165	Garvanitsa HPP	Relay Protection Testing • Current & Voltage Transformer Testing	—	—	Garvanitsa
166	Power Plant	Powerhouse Lighting System • Supply • Installation	—	—	—
167	Substation "Terasol"	Step-up Substation • EPC Delivery • Testing & Commissioning	33/110 kV	—	Stara Zagora
168	Terasol Grid Connection	110kV Cable Line • Supply • Installation • Commissioning	110 kV	—	Stara Zagora
169	EMKO Plant	Power Transformer Replacement • EPC Delivery	—	—	Montana
170	PV Plant "Terasol"	Reactive Power Compensation System • EPC Delivery	—	4 MVAr	Stara Zagora

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DETAILED REFERENCE LIST APPENDIX

A selection of 233+ successfully delivered projects by PSS Bulgaria.

233+	2023	18 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
171	Asarel Medet GPP Substation	Substation Reconstruction Design	110/6 kV	—	Panagyurishte
172	PV Plant "Metizi"	Node Stations • Package Substations	20 kV	10 MW	Roman
173	Rudnichna Substation	New Substation Design	110/6 kV	—	Panagyurishte
174	PV Plant "ATZ"	EMS SCADA System • EPC Delivery	—	5 MW	Stara Zagora
175	Darvenitsa – Pancharevo OHL	Partial OHL Reconstruction	220 kV	—	Sofia
176	Amazon Data Center	MV Switchgear • Testing & Commissioning	20 kV	—	Israel
177	PV Plant "Ramanusha"	Step-up Substation • EPC Delivery	33/110 kV	—	Sliven
178	CRP Medet Substation	MV Switchgear • MV Cable Network Reconstruction	6 kV	—	Panagyurishte
179	Maritsa East Substation	110kV Feeder Bay Reconstruction • EPC Delivery	110 kV	Feeder "Stakhanovo"	Maritsa East
180	Substation "Kolyo Ganchevo"	MV Switchgear Bay Reconstruction	20 kV	Bay No. 35	Stara Zagora

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DETAILED REFERENCE LIST APPENDIX

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233+	2023	19 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
181	**Port of Varna**	MV Switchgear • MV Cable Network Reconstruction	20 kV	—	Varna
182	**PV Plant "Boychinovtsi"**	Step-up Substation • Grid Connection Cable Line	33/110 kV	60 MW	Boychinovtsi
183	**Parchevich OHL**	OHL Diversion	110 kV	—	Stryama, Rakovski
184	**PV Plant "Karlovo Solar"**	Step-up Substation • 110kV Feeder Bay Reconstruction • EPC Delivery	33/110 kV	—	Karlovo
185	**PV Plant "Pernik"**	Step-up Substation • Grid Connection OHL	33/110 kV	60 MW	Pernik
186	**PV Plant "Progress"**	Grid Connection	—	1 MW	Bulgaria
187	**Knauf Substation**	Substation Battery System • EPC Delivery	110/6 kV	—	Mednikarevo
188	**Pirin OHL**	Transmission Tower Reconstruction	110 kV	Tower No. 28	Bulgaria
189	**PV Plant "Ramanusha"**	Reactive Power Compensation System • EPC Delivery	—	630 kVAr	Sliven
190	**PV Plant "Trakia MT"**	Relay Protection Settings • Testing	—	—	Malko Tarnovo

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DETAILED REFERENCE LIST APPENDIX

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233+	2023-2024	20 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
191	**Yahinovo HPP**	Relay Protection Preventive Maintenance	—	—	Yahinovo
192	**Substation "Gotmar"**	Busbar Overvoltage Protection • EPC Delivery*	110/20 kV	—	Saedinenie
193	**PV Plant "Gorna Rositsa"**	Node Substation • Step-up Substation • Grid Connection OHL	33/110 kV	28 MW	Gorna Rositsa, Sevlievo
194	**PV Plant "Pozharevo"**	Step-up Substation • Grid Connection OHL	33/110 kV	25 MW	Pozharevo, Tutrakan
195	**Railway Modernization – Krumovo – Turkish Border**	Railway Power Infrastructure • Signalling & Telecommunications Design	—	151.9 km	Bulgaria
196	**PV Plant "Slavovitsa 1 & 2"**	New Substation • Node Station • Grid Connection OHL	110 kV	—	Slavovitsa
197	**PV Plant "Galabovo"**	Step-up Substation Design	33/110 kV	80 MW	Galabovo
198	**Enos Cable Line**	Cable Line Reconstruction	110 kV	Section between Joints No. 2–4	Sofia
199	**Blagovo OHL**	Shield Wire Replacement Design	110 kV	—	Smyadovo – Yubileyna
200	**PV Plant "Galabovo EL-3"**	Customer Substation • Grid Connection OHL	33/220 kV	—	Galabovo

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233+ COMPLETED PROJECTS

2024-2025 PERIOD

21 / 24 PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
201	PV Plant "Kavlaklar"	Step-up Substation Design	33/110 kV	40 MW	Novi Pazar
202	Substation "Preskov"	20kV Feeder Bay Design	20 kV	—	Stara Zagora
203	PV Plant "Boychinovtsi"	Step-up Substation • 110kV Cable Line • 110kV Feeder Bay • EPC Delivery	33/110 kV	—	Boychinovtsi
204	Chaira PSPP	MG2 Rehabilitation • Testing & Commissioning	—	—	Chaira
205	Substation "Preskov"	SCADA System Design • Integration • Commissioning	110/20 kV	—	Stara Zagora
206	i-ON Energy BESS	BESS • Step-up Substation • 110kV Cable Line • New Feeder Bay Design	33/110 kV	90 MW / 180 MWh	Kaolinovo
207	Yambolen Plant BESS	MV Switchgear • EPC Delivery	6 kV	20 MW	Yambol
208	Gabritsa Wind Farm	Main Substation • Internal MV Cable Network • Grid Connection OHL	33/110/400 kV	—	Hitrino / Venets
209	Nataliya & Irina OHL	OPGW Reconstruction • EPC Delivery	110 kV	—	Preskov
210	PV Plant "Tsarevets"	Customer Substation Design	33/110 kV	—	Tsarevets, Mezdra

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233+ COMPLETED PROJECTS

2025 PERIOD

22 / 24 PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
211	**Kokalyane HPP**	MV Switchgear Retrofit	—	Bays 4 & 5	Kokalyane
212	**Kozloduy NPP Units 7 & 8**	Concept Design • New 400kV OHL	400 kV	—	Kozloduy
213	**Terasol & Ramanusha Substations**	Revenue Metering Panels • EPC Delivery	110 kV	2 Metering Panels	Bulgaria
214	**Substation "Dabovo"**	20kV Bay Reconstruction • MV Cable Line to BESS	20 kV	10 MW / 26.832 MWh	Dabovo
215	**BESS Project – Kaolinovo**	BESS • Step-up Substation • 110kV Cable Line Design	33/110 kV	90 MW / 360 MWh	Kaolinovo
216	**Pavlovo – Bistritsa OHL**	Concept Design • OHL Reconstruction	110 kV	Towers 10–13	Sofia
217	**Pasarel HPP**	Combined Instrument Transformers • EPC Delivery	110 kV	—	Pasarel
218	**Ramanusha Energy Park**	Substation Extension • BESS Integration • EPC Delivery	110/33 kV	16 MW / 30 MWh	Sliven
219	**Terasol Substation**	Substation Extension • BESS Integration • EPC Delivery	110/33 kV	30 MW / 60 MWh	Stara Zagora
220	**Grudovo Grid Connection**	New Grid Connection OHL	110 kV	—	Grudovo

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233+	2025-2026	23 / 24
COMPLETED PROJECTS	PERIOD	PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
221	PV Plant "Vedrare"	Step-up Substation • 110kV Cable Line • EPC Delivery	33/110 kV	70 MW	Vedrare, Karlovo
222	Coca-Cola HBC Bulgaria	Control & Relay Transformer Panel Replacement • EPC Delivery	—	—	Bulgaria
223	Wind Farm "Prolez–Gorichane"	Node Substation • Step-up Substation • Grid Connection OHL	33/110 kV	80 MW	Shabla
224	Node Station "Sapareva Banya"	Feeder Bay Equipment Design for BESS Integration	110 kV	—	Sapareva Banya
225	KCM GPP Substation	Combined Instrument Transformers • EPC Delivery	110 kV	—	Plovdiv
226	PV Plant "Adasek"	Step-up Substation • EPC Delivery	33/110 kV	60 MW	Kralev Dol, Pernik
227	PV Plant "Adasek"	Package Transformer Substations • EPC Delivery	0.8/33 kV	8 Units	Kralev Dol, Pernik
228	Connect Solar BESS	BESS • MV Switchgear Reconstruction • 33kV Cable Line Design	33/110 kV	60 MW / 240.72 MWh	Bulgaria
229	BESS Project – ATZ	BESS • Step-up Substation • 110kV Cable Line • New Feeder Bay Design	33/110 kV	100 MW / 501.5 MWh	Stara Zagora
230	Chaira PSPP	MG3 Rehabilitation • Testing & Commissioning	—	—	Chaira

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233+ COMPLETED PROJECTS

2026 PERIOD

24 / 24 PAGES

№	PROJECT / FACILITY	TYPE / SCOPE	VOLTAGE LEVEL	CAPACITY / LENGTH	LOCATION
231	**Substation "Boychinovtsi"**	110kV Bus Coupler Bay Reconstruction • New Feeder Bay • Grid Connection Cable Line	110 kV	30 MW	Boychinovtsi
232	**Karlovo 2 Substation**	110kV Switchyard Reconstruction • EPC Delivery	110 kV	—	Karlovo
233	**Maritsa East Substation**	220kV Feeder Bay Equipment Design	220 kV	Bay No. 14	Maritsa East

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