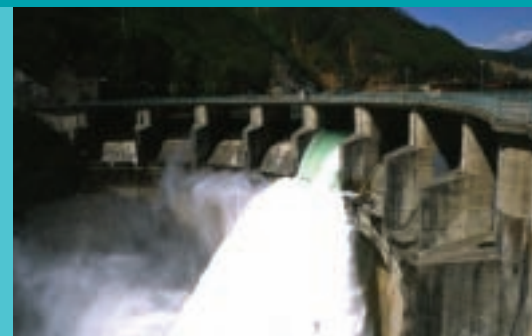




ENERGOENGINEERING
Hydro Civil Construction
and Architecture



REFERENCES



ENERGOENGINEERING HYDRO CIVIL CONSTRUCTION AND ARCHITECTURE

BASIC ACTIVITY

Design, Consulting and Engineering services in the field of power supply, civil engineering, water resources engineering and architecture.

FIELDS OF ACTIVITY

Power Plants, Industrial and Processing Projects, Architectural Projects, Water Utility Engineering Projects, Special Purpose Structures and Small Hydro Electric Power Plants.

QUALITY MANAGEMENT SYSTEM

ISO 9001:2000. In the Project and in Progress.

REFERENCE

During more than 50 years of experience has taken part in the following projects:

- 52 hidro power plants in Bosnia and Herzegovina and Zaire,
- 2 water management plants in Bosnia and Herzegovina
- 4 power supply system plans in Bosnia and Herzegovina
- 30 thermal power plants in Bosnia and Herzegovina and Indonesia
- 33 industrial steam and power plants and heat generating plants in Bosnia and Herzegovina and Libya

- 584 substations 400, 220, 132, 110, 66, 35, 30, 11 and 10 kv in Bosnia and Herzegovina, Iraq, Libya, Egypt, Sudan, Tanzania, Syria, Indonesia, Pakistan, India, Iran, Kuwait, Dubai, Bangladesh, Ghana, Guinea
- 45 industrial and process complexes in Bosnia and Herzegovina Libya and Mexico
- 99 various architectural projects and complexes in Bosnia and Herzegovina Libya and Mexico
- 99 various architectural project and complexes in Bosnia and Herzegovina, Uganda and other countries
- 85 projects of utility water engineering in Bosnia and Herzegovina, Indonesia, India and Libya
- 13 water engineering projects in Bosnia and Herzegovina

PROJECT IN PROGRESS

Hydro power plants Vranduk and Ustikolina, VVPCR Crna rijeka, Reconstruction and rehabilitation of buildings in Bosnia and Herzegovina. Modrac multiple arch dam refurbishment and reconstruction project.

REFERENCE LIST 1946/1951-2003 CONTAINS A REVIEW OF OUR PROJECTS MARKS FOR ACTIVITIES IN THE REVIEW ARE AS FOLLOWS:

1. Studies, programmes for investigation works, geodetic, geologic, hydrologic and energetic data, interpretations of investigation works, economic evaluations, monitoring and etc.
2. Feasibility studies, preliminary designs and investment programmes.
3. Final and working designs
4. Direct (designer) or permanent supervision of the project under construction
5. Supply of various equipment, structures and materials
6. Engineering services
7. Consulting services
8. Turn key - project

HYDRO-ELECTRIC POWER PLANTS

The design and construction of hydro-electric power plants has been one of the basic and most important activities of Energoengineering. To date, a number of large hydro - electric power plants have been constructed, which have gained the firm and enviable reputation in Yugoslavia and abroad.

A large number of hydro - electric power plants of various types have been designed and constructed (dam type, diversion, pumping, etc.) with both small and large storage basins. These plants also contain significant large structures such as high dams of various types, large hydraulic tunnels (up to 16 km length with up to 10 m diameter), and surface and underground power houses, including those in large underground caverns in complex

geological and hydrogeological conditions. The majority of these plants have been constructed in carst areas which, due to their characteristic and specific features, require rigorous research and a comprehensive approach in order to find appropriate technical solutions.

Energoengineering has acquired great experience in this field and recognition in the world.

All activities concerning the development of a water economy and the power basis of large catchment areas are performed within the framework of hydrodynamic and hydraulic activities. This also includes project activities concerning construction of channels and regulation of river beds within various water and power systems.

HYDRO ELECTRIC POWER PLANTS STORAGE - DIVERSION TYPE POWER STATIONS

CLIENT	HPP ON RIVER	POWER CAPACITY AND HEAD	YEAR	ACTIVITIES
ELECTRICITY BOARD OF B&H EL POWER INDUSTRY OF B&H	BOGATIĆI ON ŽELJEZNICA	7 MW	1947.	1.2.3.4
		H=165 M		
	MESIĆI ON PRAČA	3 MW	1950.	1.2.3.4
		H=52 M		
	JAJCE II ON VRBAS	30 MW	1954.	1.2.3.4
		(3x10 MW) H=111 M		
	JABLANICA ON NERETVA	150 MW	1955-58.	1.2.3.4
		(6x25 MW) H=98,6 m		
	JAJCE I ON PLIVA	48 MW	1957.	1.2.3.4
		(2x24 MW) H=98,6 MW		
KLJUČ ON SANA	70 MW	1959.	1.2	
	H = 87 m			
ŠTRBAČKI BUK ON UNA	40 MW	1964.	1.2	
	H=60 m			
BANJA LUKA ON VRBAS	143 MW	1964.	1.2.3.4	
	H=109 m			
ULOG ON NERETVA	94,6 MW	1965.	1.2	
	H=294,5			
ELECTRICITY BOARD OF CROATIA	DUBROVNIK ON TREBIŠNJICA	216 MW	1965.	.2.3.4
		(2x108 MW)		
		H=270 m		
ELECTRICITY BOARD OF B&H	RAMA ON RAMA	160 MW	1965.	1.2.3.4
		(2x108 MW)		
		H=325		
	CERNICA ON TREBIŠNJICA	8 MW	1968.	1.2
		H=72 m		
	SYSTEM ORLOVAC ON CETINA	218 MW	1975.	1.2.3.4
(3x73 MW)				
H=400 m				

CLIENT	HPP ON RIVER	POWER CAPACITY AND HEAD	YEAR	ACTIVITIES
ELECTRICITY BOARD OF B&H	BILEĆA ON RIVER TREBIŠNJICA SYSTEM	330 MW	1975.	1.2.
			1987.	3.4.
		H=34m		
	NEVESINJE ON ZALOMKA	60 MW	1980.	1.2.
		H=127 m		
	WATER FALLS ON UNA	5.435 WW	1986.	1.2.
		H=9,8 M		
	TIŠĆA ON TIŠĆA	1.525 MW		
		H=162,2 m		
	DABAR ON KOLJEŠKA RIJEKA	160 MW	1988	1.2.3.4.7.
H=331 m				
TOWN PLANING				
INSTITUTE OF SARAJEVO B&H	VOJKOVIĆI ON ŽELJEZNICA	1.362 MW	1988	1.2.3.4.
		H = 107 m		
SNEL ZAIRE	MOBAYI ON UBANGI	10,2 MW	1988	1.2.3.4.5.
		(3x34 MW)		
		H=5,5 m		
EELPA ETHIOPIA	NERI ON NERI	24,8 MW	1988.	1.2.
		H=618 M		
WITH CAPACITY EXCEEDING 1 MW				
ELECTRICITY BOARD OF MACEDONIA	TIKVEŠ ON CRNA REKA	48 MW	1958.	1.2.3.
		H = 91,5 m		
ELECTRICITY BOARD OF B&H	USTIPRAČA ON DRINA	80 MW	1965.	1.2.
		H = 91,5 m		
	GORAŽDE ON DRINA	81 MW	1965.	1.2.
		H = 19 m		
	TREBINJE I ON TREBIŠNJICA	162 MW	1967.	1.2.3.4.
		(3x54 mw)		
		H=86,5m		
	ČELJIGOVIĆI ON MILJACKA	2,45 MW	1965.	1.2.
		H=76 m		
	ILOVICA ON ŽELJEZNICA	2 MW	1970.	1.2.
		H=40 m		
	CRNA RIJEKA ON CRNA RIJEKA	2,5 MW	1970.	1.2.
		H=62,9 m		
	ŠIPOVO ON PLIVA	49,6 MW	1970.	1.2.
		H=58 m		
BUK BIJELA ON DRINA	432 MW	1970.	1.2.	
	H=12,5 m			

CLIENT	HPP ON RIVER	POWER CAPACITY AND HEAD	YEAR	ACTIVITIES
ELECTRICITY BOARD OF B&H	FOČA ON DRINA	54 MW	1975.	1.2.3.4.
		H=32,8 m		
	GORAŽDE II ON DRINA	138 MW	1978.	1.2.
		H=32,8 m		
	TREBINJE II ON TREBIŠNJICA	10 MW	1980.	1.2.3.4.
		H=22 m		
	BOČAC ON VRBAS	110 MW	1982.	1.2.3.4.5.
		(2x55 MW)		
		H=54 m		
	SALAKOVAC ON NERETVA	210 MW	1982.	1.2.3.4.5.
		(3x70 MW)		
		H=43 m		
GRABOVICA ON NERETVA	117 MW	1982.	1.2.3.4.5.	
	(2x58,5 MW)			
	H=42 m			
P.L.N. JAKARTA INDONESIA	SEMPOR	1,1 MW	1982.	3.4.5.6.8.
		H=123 m		
ELECTRICITY BOARD OF B&H	LJUBUČA ON NERETVA	92 MW	1984.	1.
		H=115 m		
	ULOG ON NERETVA	36 MW	1984.	1.
		H=116 m		
	GLAVATIČEVO ON NERETVA	152 MW	1985.	1.2.
		H=116 m		
KMK BORIS KIDRIČ B&H	MODRAC ON SPREČA	1 MW	1986.	1.2.3.4.
		H=18 m		
ELECTRICITY BOARD OF SER&MONTENEGRO	ĐERDAP I ON DANUBE (extension)	426 MW	1986.	1.
		H=18 m		
ELECTRICITY BOARD OF B&H	BOČAC II VRBAS	6,3 MW	1985.	1.2.3.4.5.
		H=9,69 m		
	KONJIC ON NERETVA	109 MW	1986.	1.2.3.
		H=64 m		
	KRUPA ON VRBAS	37,5 MW	1986.	1.2.
		H=23,8 m		
	BANJA LUKA ON VRBAS	37,5 MW	1986.	1.2.
		H=29,0 m		
	MOSTAR ON NERETVA	75 MW	1987.	1.2.3.4.5.
		(3x25 MW)		

CLIENT	HPP ON RIVER	POWER CAPACITY AND HEAD	YEAR	ACTIVITIES
ELECTRICITY BOARD OF B&H	LIM VIŠEGRAD ON DRINA	H=19,6	1989.	1.2.
		321 MW		
		(3x108MW)	1989	1.2.3.4.5.
SONELGAZ ALGERIA	GARGAR ON QUED RION	6,2 MW	1989	3.4.5.6.7.8.
		H=46 m		
ELECTRICITY BOARD OF B&H	ČAPLJINA ON TREBIŠNJICA	420 MW	1979.	1.2.3.4.
		(2x210 MW)		
		H=213 m		
	UGAR ON UGAR	590 MW	1977.	1.2.
		H=167 m		
	NEVESINJE ON ZALOMKA	61 MW	1980.	1.2.
H=127 m				
BiH	KONJIC	100 MW	1998	2.3
BiH	VRHPOLJE	80 MW	2001	2
BiH	ČAPLJE	11.6 MW	2001	2
BiH AUSTRIA GROUP	VRANDUK	21 MW	2002	2
BiH AUSTRIA GROUP	USTIKOLINA	63.6 MW	2002	2

WATER RESOURCES AND POWER SYSTEM STUDIES				
CLIENT	HPP ON RIVER	POWER CAPACITY AND HEAD	YEAR	ACTIVITIES
ELECTRICITY BOARD OF B&H	RIVER NERETVA-RAMA SYSTEM (10.H.P.P.)	12750 km ²		
		951 m ²	1953.	1.2.
	RIVER VRBAS-PLIVA SYSTEM 14 H.P.P.	6080 km ²		
		426 MW	1953.	1.2.
	RIVER UNA-SANA CATCHMENT BASIN 18 HPP	10272 km ²		
		-	1956.	1.2.
		315 MW		
	RIVER BOSNA SYSTEM 42. H.P.P. CATCHMENT	10460 km ²		
		-	1966.	1.2.
		356 MW		
	AREA OF RIVER TREBIŠNJICA -UPPER HORIZONS 6 H.P.P.S.			
		2500 km ²	1967.	1.2.
		163 MW		
I POWERS BASES 7 H.P.P.S.				
ELECTRICITY BOARD OF B&H, SERBIA & MONTENEGRO	RIVER DRINA SYSTEM (59 H.P.P.)	19590 km ²	1970.	1.2.
		8290 MW		
ELECTRICITY BOARD OF B&H	FOJNICA		1997	1
MUNICIPALITY SANSKI MOST	SANSKI MOST		1998	1
ELECTRICITY BOARD OF B&H	RIVER NERETVA		1999	1
ELECTRICITY BOARD OF B&H AND FIVE CANTONS OF B&H	FIVE CANTONS OF B&H		2002	1

*) STUDIES AND DESIGNED DONE IN COOPERATION WITH TWO YUGOSLAV DESIGN ORGANIZATIONS

STUDIES			
CLIENT	DESCRIPTION	YEAR	ACTIVITIES
ELECTRICITY BOARD B&H AND CANTON OF TUZLA	STUDY OF WATER - POWER DEVELOPMENT OF THE RIVER SPREČA I AND AFFLUENTS OSKOVA AND GOSTELJA STUDY OF WATER - POWER DEVELOPMENT OF THE RIVER SPREČA II AND AFFLUENTS TURIJA AND BRIJESNICA	2007	1
ELECTRICITY BOARD B&H AND CENTRAL BOSNIA CANTON	STUDY OF WATER - POWER DEVELOPMENT OF THE RIVER VRBAS STUDY OF WATER - POWER DEVELOPMENT OF THE RIVER BILA	2000	1
ELECTRICITY BOARD B&H AND ZENICA - DOBOJ CANTON	STUDY OF WATER - POWER DEVELOPMENT OF THE RIVER GOSTOVIČA	2000	1
ELECTRICITY BOARD B&H AND HERZEGOVINA - NERETVA CANTON	STUDY OF WATER - POWER DEVELOPMENT OF THE RIVER NERETVICA STUDY OF WATER - POWER DEVELOPMENT OF THE RIVER DREŽANKA	2000	1
PUBLIC ENTERPRISE „WATER ZONE OF STREAM BASIN OF THE RIVER SAVA“	WATER BALANCE FOR RIVER BASIN DUNAV PHASE I STEP I	2003	1,2
PUBLIC ENTERPRISE „WATER ZONE OF STREAM BASIN OF THE RIVER SAVA“	WATER BALANCE FOR RIVER BASIN DUNAV PHASE I STEP II	2004	1,2
ELECTRICITY BOARD B&H	STUDY OF EVACUATION OF MULTI AND CATASTROPHIC WATER WAVES FOR HYDRO POWER PLANT ON NERETVA	2003	1
MINISTRY OF COMMUNICATIONS AND TRANSPORT	CORRIDOR Vc PROJECT OF HIGHWAY ROUTE ON CORRIDOR Vc, LOT 3 SOUTH SARAJEVO – NORTH MOSTAR. PRELIMINARY SOLUTION, PRELIMINARY DESIGN AND OTHER STUDIES.	2004	1,2
ASA D.O.O. KAKANJ	STUDY OF WATER - POWER DEVELOPMENT OF THE RIVER STUPČANICA AND STAVNJA	2005	1
INTRADE D.O.O. AND INTRADE ENERGIJA D.O.O.	ALTERNATIVE SOLUTIONS OF WATER - POWER DEVELOPMENT OF UPPER COURSE OF THE RIVER NERETVA UPSTREAM FROM SETTLEMENT GLAVATIČEVO - FEASIBILITY STUDY: HPP BJELIMIĆI WITH RHPP BJELIMIĆI HPP GLAVATIČEVO – COMPENSATION - FEASIBILITY STUDY PHASE II: HPP BJELIMIĆI WITH RHPP BJELIMIĆI HPP GLAVATIČEVO – COMPENSATION BASIN	2006	1,2

HYDROTECHNICAL PROJECTS

CLIENT	NAME	TYPE	HIGHT (M)	YEAR
ELECTRICITY BOARD OF B&H	JAJCE - PLIVA RIVER WATERFALL APROVEMENT	0,5 km	1958.	1.2.3.4.
WATERECONOMY OF B&H	ILIDŽA-RIVER ŽELJEZNICA APROVEMENT	11 km	1960.	1.2.3.4.
ELECTRICITY BOARD OF B&H	POPOVO POLJE LAND RECLAMATION	5500 ha	1959.	1.2.
		65 km		
		CANAL		
	DUBRAVE AT STOLAC LAND RECLAMATION	6000 ha	1962.	1.2.
	NEVESINJSKO POLJE LAND RECLAMATION	300 ha	1964.	1.
	FATNIČKO POLJE LAND RECLAMATION	550 ha	1966.	1.2.
JAJCE FISHERY POOL	15.000 m2	1962.	1.2.3.4.	

DAM

CLIENT	NAME	TYPE	HIGHT (M)	YEAR	ACTIVITIES
ELECTRICITY BOARD OF B&H	JABLANICA	ARCH	85	1954.	1.2.3.4.
	JAJCE II	GRAVITY	26	1954.	1.2.3.4.
	GORICA	GRAVITY	33,5	1965.	1.2.3.4.
	GRANČAREVO	ARCH	123	1967.	1.2.3.4.
	RAMA	ROCKFILL	103	1969.	1.2.3.4.
MUNICIPAL ASSEMBLY GRADAČAC	VIDARA	RARTH	15	1971.	1.2.3.4.
ELECTRICITY BOARD OF B&H	POPOVO POLJE	ROCKFILL	10	1979.	1.2.3.4.
	VRBA	ROCKFILL	49	1982.	1.2.3.4.
	BOČAC	RACH	66	1982.	1.2.3.4.
	SALAKOVAC	GRAVITY	70	1982.	1.2.3.4.
	GRABOVICA	GRAVITY	60	1982.	1.2.3.4.
	SNIJEŽNICA	ROCKFILL	59	1984.	1.2.3.4.
	MOSTAR	GRAVITY	44	1987.	1.2.3.4.
	VIŠEGRAD	GRAVITY	80	U/C	1.2.3.4.
	POŠČENJE	GRAVITY	40	U/C	1.2.3.4.
	KONJIC	ARCH	87	U/C	1.2.3.4.

PUBLIC WATER UTILITIES

CLIENT	DESCRIPTION	YEAR	ACTIVITIES
PUBLIC ENTERPRISE „WATER ZONE OF STREAM BASIN OF THE RIVER SAVA“	PRELIMINARY DESIGN OF SEWAGE AND PRECIPITATION WATER DISPOSAL IN VELAGIĆI - KLJUČ	2001	4
ELECTRICITY BOARD B&H	PRELIMINARY DESIGN OF ARRANGEMENT FOR CONDITIONING OF FOUL WATER OF SETTLEMENT JABLANICA	2001	4
INSTITUTION FOR RECONSTRUCTION OF SARAJEVO COUNTY	LAND - REGISTRY UPDATING OF PUBLIC UTILITIES	2001	7
PUBLIC ENTERPRISE „WATER ZONE OF STREAM BASIN OF THE RIVER SAVA“	PRELIMINARY DESIGN OF SEWAGE SYSTEM AND SEWAGE PURIFICATION PLANT OF CITY VAREŠ	2002	4
FEDERAL MINISTRY OF PHYSICAL PLANNING AND ENVIRONMENT	RENEWAL DESIGN OF SEWAGE SYSTEM AND WATER SUPPLY SYSTEM IN POČITELJ	2002	4
PUBLIC ENTERPRISE „WATER ZONE OF STREAM BASIN OF THE RIVER SAVA“	TOWN - ZENICA, PRELIMINARY DESIGN OF SEWAGE SYSTEM, NOVELATION OF THE MAIN DESIGN OF SEWAGE COLLECTING CANALS	2002	4
INSTITUTION FOR RECONSTRUCTION OF SARAJEVO COUNTY	PRELIMINARY AND MAIN DESIGNS OF WATER PRETREATMENT FOR LANDFILLS AND REALIZATION OF PRELIMINARY AND MAIN DESIGNS FOR RECEPTION AND TRANSPORTATION OF FOUL WATER FROM SPOIL AREA OF THE SETTLEMENT ZABRĐE	2003-2004	4
INSTITUTION FOR RECONSTRUCTION OF SARAJEVO COUNTY	MAIN DESIGN OF SPOIL AREA SMILJEVIĆI	2004	4
FEDERAL MINISTRY OF PHYSICAL PLANNING AND ENVIRONMENT	JAJCE - REPAIR OF STREAM BED OF PLIVA AND WATERFALL II PHASE	2005	4
PUBLIC ENTERPRISE „WATER ZONE OF STREAM BASIN OF THE RIVER SAVA“	MAIN DESIGN OF RECONSTRUCTION OF PROTECTED WATERECONOMY BUILDING OF EARTH - BANK ALONG THE RIVER SAVA AND THE RIVER BOSNA IN ODŽAČKA POSAVINA AREA - II PHASE	2006	4
MUNICIPALITY TRNOVO F B&H	MAIN DESIGN OF SEWAGE SYSTEM IN SETTLEMENT DELIJAŠ	2006	4

POWER TUNNELS

CLIENT	NAME	TYPE	HIGHT (M)	YEAR	ACTIVITIES
ELECTRICITY BOARD OF B&H & CROATIA	BOGATIĆI	2290	2.0	1947.	1.2.3.4.
	MESIĆI	1190	2.0	1950.	1.2.3.4.
	JABLANICA	2050	6.00	1954.	1.2.3.4.
	H.P.P.	2050	5.20	1955.	1.2.3.4.
	JAJCE II H.P.P.	2840	5.50	1954.	1.2.3.4.
	JAJCE I H.P.P.	5710	5.40	1957.	1.2.3.4.
	DUBROVNIK H.P.P.	16600	6.00	1965.	1.2.3.4.
	RAMA H.P.P.	9490	5.00	1968.	1.2.3.4.
ELECTRICITY BOARD OF CROATIA	ORLOVAC H.P.P.	11300	5.50	1976.	1.2.3.4.
ELECTRICITY BOARD OF B&H	ČAPLJINA R.H.P.	8105	8.00	1979.	1.2.3.4.
	KLINJE GACKO T.P.P.	2800	4.00	1982.	1.2.3.4.
	BILEĆA H.P.P.	15650	5.40+6.50	1982	1.2.3.4.
	DABAR H.P.P.	11170	4.60	1982	1.2.3.4.

SMALL HYDRO ELECTRIC POWER PLANTS

The basic activities of Energoengineering in the field of Hydro Civil Construction and Architecture include: design and construction of hydro electric power plants - a special place is occupied by miniature hydro electric power plants. Energoinvest design and complete engineering services on these projects date back to 1947. Since then several different types of small and mini HEPPs have been designed and constructed with installed power from 105 to 10 000 kW.

Elaboration of design documentation and SHEPP engineering

occupy a significant place in Energoengineering. Design includes elaboration of studies and of complete technical documentation connected with exploitation of hydroenergetic potential of small water courses for individual water courses, catchment areas and wider areas of a region.

This also includes elaboration of all the necessary bases - hydrological, geodetic, geological, etc.

In project implementation Energoengineering performs complete service - design, engineering, consulting and »Turn-key« system.

ENERGOENGINEERING ENERGOINVEST ACTIVITIES

Small hydro electric power plants

YEAR	NAME	COUNTRY	HEAD	INSTALLED FLOW (CUM/SEC)	INSTALLED CAPACITY KW	TURBINE TYPE	ACTIVITIES
1947.	BOGATIĆI	B&H	165	6,2	7000	FRANCIS	1.2.3.4.
1950.	MESIĆI	»	52	8,0	3000	FRANCIS	1.2.3.4.
1965.	ČELJIGOVIĆ	»	76	4,0	2450	FRANCIS	1.2.
1968.	CERNICA	»	72	14,0	8000	FRANCIS	1.2.
1970.	CRNA RIJEKA	»	69,9	5,0	2500	FRANCIS	1.2.
1970.	ILOVICA	»	40,0	6,2	2000	FRANCIS	1.2.
1982.	SEMPOR	INDONESIA	123	1,0	1100	FRANCIS	3.4.5.6.8.
1982.	TREBINJE 2	B&H	45	7850		KAPLAN	1.2.3.4.
1984.	TISCA	»	166	0,63	1523	PELTON	1.2.3.4.
1984.	VOJKOVIĆI	»	107	1,6	1362	FRANCIS	1.2.
1985.	BOČAC 2	»	9,69	80	6300	TUBULAR	1.2.3.4.
1986.	SLAPOVI NA UNI	»	9,8	60	5435	KAPLAN	1.2.
1986.	MODRAC	»	16,36	15	2000	KAPLAN	1.2.3.4.
1986.	MOBAYI	ZAIRE	5,5	225	3x3400	BULB	1.2.3.4.5.
1988	GARGER	ALGERIA	46	16,2	2x3100	FRANCIS	3.4.5.6.7.8.
1949.	VLASENICA	B&H	176	0,6	900	PELTON	1.2.3.4.
1983.	BIJELA RIJEKA	»	29,5	2	381	FRANCIS	1.2.
1983.	BIHAĆ	»	2,8	12	264	KAPLAN	1.2.
1984.	DELIBAŠINO SELO	»	4,9	105	400	KAPLAN	1.3.
1985.	KRUŠNICA	»	6,0	9,0	424	FRANCIS	1.3.
1986.	PRUSAČKA REKA	»	13,5	1,1	105	TUBULAR	1.3.
1986.	VRBNIČKI POTOK	»	83,7	0,2	130	PELTON	1.3.
1996.	PLAVA VODA	B&H	17	1,9	135	FRANCIS	1.2.3.4.
2002.	UNA	B&H	12	88	6500	KAPLAN	1.2.
1999.	SNJEŽNICA	B&H	48	1	430	FRANCIS	1.2.
2000.	CRNA RIJEKA	B&H	90	3	2,3	FRANCIS	1.3.
2003.	LJUTA	B&H	82	2,8	1800	FRANCIS	1.3.

YEAR	NAME	COUNTRY	HEAD	INSTALLED FLOW (CUM/SEC)	INSTALLED CAPACITY KW	TURBINE TYPE	ACTIVITIES
2004.	JEZERNICA	B&H	400	0,36	1089	PELTON	3.4.
2004.	MUJAKOVIĆI	B&H	234	0,78	1356	PELTON	3.4.
2004.	MAJDAN	B&H	341	0,88	2282	PELTON	3.4.
2004.	BOTUN	B&H	111	1,13	943	FRANCIS	3.4.
2004.	MUJADA	B&H	198	0,80	1281	PELTON	1.2.
2004.	PODKOZICA	B&H	205	0,40	664	PELTON	1.2.
2004.	POLJANICE 1	B&H	204	1,90	2795	PELTON	1.2.
2004.	POLJANICE 2	B&H	52	3,00	1156	FRANCIS	1.2.
2004.	HUM	B&H	108	0,80	630	FRANCIS	1.2.
2007.	DUBOKI POTOK 1	B&H	281	0,32	725	PELTON	1,2,3,4
2007.	DUBOKI POTOK 2	B&H	300	1,55	3775	PELTON	1,2,3,4
2007.	DONJI OBALJ	B&H	145	1,70	1865	PELTON	1,2,3,4
2007.	SRIJANSKI MOST	B&H	109	4,20	3528	FRANCIS	1,2,3,4
2007.	MALA NERETVICA - UŠĆE	B&H	55	2,80	670	FRANCIS	1,2,3,4
2007.	CRNA RIJEKA	B&H	230	1,32	2472	PELTON	1,2,3,4
2007.	PROLAZ	B&H	227	0,19	349	PELTON	1,2,3,4
2007.	OBAŠĆICA	B&H	431	0,45	1586	PELTON	1,2,3,4
2007.	POŽELAVKA	B&H	238	0,19	367	PELTON	1,2,3,4
2007.	RUSTE	B&H	80	0,60	374	FRANCIS	1,2,3,4
2007.	PLAVUZI	B&H	113	0,46	395	PELTON	1,2,3,4
2007.	GOROVNIK	B&H	396	0,38	1234	PELTON	1,2,3,4
2007.	GOROVNIK - UŠĆE	B&H	104	4,80	3924	FRANCIS	1,2,3,4
2007.	PODHUM 1	B&H	43	6,20	2046	FRANCIS	1,2,3,4
2007.	PODHUM 2	B&H	52	6,20	2482	FRANCIS	1,2,3,4
2007.	LJUTA	B&H	86	3,20	2094	FRANCIS	1,2,3,4
2007.	LUKAVICA - UŠĆE	B&H	203	0,60	971	PELTON	1,2,3,4
2007.	PALEŽ	B&H	196	1,60	2518	PELTON	1,2,3,4
2007.	PALEŽ - UŠĆE	B&H	100	1,50	1172	FRANCIS	1,2,3,4
2007.	SASTAVCI	B&H	86	1,30	958	FRANCIS	1,2,3,4
2007.	SREDNJA VODA	B&H	112	0,33	321	PELTON	1,2,3,4
2007.	KOZICA - UŠĆE	B&H	114	0,33	327	PELTON	1,2,3,4
2007.	MANDIN POTOK - UŠĆE	B&H	65	0,53	291	FRANCIS	1,2,3,4
2007.	GREBNIK	B&H	33	5,00	1256	KAPLAN	1,2,3,4

List of references for hydromechanical equipment

NO.	CUSTOMER	PROJECT	TYPE	PCS	DIMENSIONS	MAX. WATER PRESSURE	HOIST	PROD. YEAR
1.	HEPP ON THE NERETVA B&H	HEPP MOSTAR	RADIAL GATES	2	10x14 m	14 m	H	1986.
2.	»	»	RADIAL GATE WITH FLAP	1	10x11 m +7x3 m	14 m	H	1988.
3.	»	»	STOPLOGS	1grt	10x14 m	14	C	1986.
4.	»	»	SCREENS	3	12x14,8 m	23	-	1986.
5.	»	»	STOPLOGS	6 grt	5.26x9.24 m	27	C	1986.
6.	»	»	FIXED WHEEL GATES	6	4,9x5,19 m	26	C	1986.
7.	SNEL ZAIRE	HEPP MOBAYI	SCREEN	1	24x11 m	22	-	1987.
8.	»	»	STOPLOGS	3 grt	7x7 m	22	C	1987.
9.	»	»	FIXED WHEEL GATES	3	7x5m	14	C	1987.
10.	ELECTR.DISTRIB.BOARD V.P. VALTER SARAJEVO	HEPP BORIŠA KOVAČEVIĆ	RADIAL GATES WITH FLAPS	2	7,0x4,5 m	9	H	1987.

ULJANIK

List of delivered generating sets with pertaining electric equipment for small HEPPs

NO.	GENER. TYPE	POWER	BUYER	TERM OF DELIVERY
1.	S8 07 4	350 kVA	PAP - LJUBLJANA	03/82.
2.	S3 01 4	30 kVA	POKERZNIK FRIDERIK-PODVELIKA	10/82
3.	S3 00 4	15 kVA	CAS LEPOLD-PODVELKA	10/82.
4.	S1 04 4	25 kVA	PODLESNIK AUGUST-PODVELKA	04/83.
5.	S8 08 4	440 kVA	PAPIRNICA VEVCE - LJUBLJANA	04/83.
6.	S4 00 4	63 kVA	TZ LITOSTROJ - LJUBLJANA	04/83
7.	S3 02 4	55 kVA	ELEKTROKOVINAR - LASKO	09/83.
8.	S3 02 4	55 kVA	SOSKE ELEKTRANE-NOVA GORICA	09/83.
9.	S3 00 4	15 kVA	ZAVODI C. ZASTAVA-KRAGUJEVAC	12/83.
10.	S7 09 8	750 kVA	TZ LITOSTROJ-LJUBLJANA	04/84.
11.	S7 09 8	265 kVA	TZ LITOSTROJ-LJUBLJANA	05/84.
12.	S8 05 4	275 kVA	ELEKTROSAVA-KRANJ	05/84.
13.	S8 05 4	200 kVA	METALSKI ZAVODI TITO-SKOPLJE	05/84.
14.	S7 09 8	265 kVA	PAPIRNICA VEVCE-LJUBLJANA	06/84.
15.	S8 08 4	440 kVA	CENTROPROJEKT-BEOGRAD	10/84.
16.	S8 08 4	440 kVA	CENTROPROJEKT-BEOGRAD	10/84.
17.	S7 15 8	750 kVA	SOSKE ELEKTRANE-NOVA GORICA	11/84.
18.	S7 15 8	750 kVA	SOSKE ELEKTRANE-NOVA GORICA	11/84.
19.	S7 15 8	750 kVA	ELEKTRO MARIBOR - MARIBOR	11/84.
20.	S7 15 8	750 kVA	ELEKTRO MARIBOR - MARIBOR	11/84.
21.	S3 03 4	90 kVA	TZ LITOSTROJ-LJUBLJANA	11/84.
22.	S3 04 4	120 kVA	TZ LITOSTROJ-LJUBLJANA	11/84.
23.	S8 04 4	160 kVA	IMP-TOZD TEN ENERGETIKA - LJ.	01/85.
24.	S3 00 4	15 kVA	ZAVODI C.ZASTAVA-KRAGUJEVAC	08/85.
25.	S3 00 4	15 kVA	ZAVODI C.ZASTAVA-KRAGUJEVAC	11/85.
26.	S3 00 4	15 kVA	ZAVODI C.ZASTAVA-KRAGUJEVAC	11/85.
27.	S7 16 6	1170 kVA	DRAVSKE ELEKTRANE-MARIBOR	03/86.
28.	S8 04 4	160 kVA	TZ LITOSTROJ - LJUBLJANA	04/86.
29.	S8 04 4	160 kVA	TZ LITOSTROJ - LJUBLJANA	04/86.
30.	S7 12 6	690 kVA	TZ LITOSTROJ - LJUBLJANA	04/86.
31.	S8 11 4	770 kVA	TZ LITOSTROJ - LJUBLJANA	06/86.
32.	S8 11 4	770 kVA	TZ LITOSTROJ - LJUBLJANA	06/86.
33.	S7 13 6	810 kVA	TZ LITOSTROJ - LJUBLJANA	06/86.
34.	S7 13 6	810 kVA	TZ LITOSTROJ - LJUBLJANA	06/86.
35.	S7 13 6	810 kVA	TZ LITOSTROJ - LJUBLJANA	06/86.
36.	S3 02 4	55 kVA	SOSKE ELEKTRANE - N. GORICA	02/87.
37.	S3 02 4	55 kVA	POKERZNIK FRIDERIK-PODVELKA	02/87.
38.	S8 11 6	550 kVA	SHEPP KRČIĆ - KNIN	06/87.
39.	S3 05 4	140 kVA	TZ LITOSTROJ - LJUBLJANA	08/87.
40.	S3 01 4	30 kVA	SHEPP BISCAK-TZ LITOSTROJ	09/87.
41.	S8 09 6 + URO proj. mon.	360 kVA	SHEPP KRUSNICA-HIDROPROJEKT BG AND TURBOINSTITUT - LJUBLJANA	12/87.
42.	S7 09 6 + URO, proj. mon.	306 kVA	SHEPP KRUSNICA-HIDROPROJEKT BG AND TURBOINSTITUT-LJUBLJANA	12/87..
43.	S7 07 8	170 kVA	SHEPP 975 - SOSKE ELEKTRANE GO	04/88.
44.	S7 19 8	1320 kVA	SHEPP TISCA - ISKRA AVTOMATIKA - LJ.	05/88.
45.	S7 19 8	1320 kVA	SHEPP TISCA - ISKRA AVTOMATIKA - LJ.	05/88.
46.	S7 12 8	510 kVA	SHEPP 935 - ELKOV ZA ELK. GORENJSKA KRANJ	05/88.
47.	S 7 128	510 kVA	SHEPP 935 - ELKOV ZA ELK. GORENJSKA KRANJ	05/88.
48.	S8 09 6	363 kVA	SLOVENIJALES - JOZE DEMSAR	04/89.
49.	S7 12 8	510 kVA	SHEPP 942 - ELKOV LASKO	10/89.

WORLD

HEPPS	COUNTRY	YEAR	MACHINE	H (M)	Q (M ³ S ⁻¹)	P (MW)
KAMBURU	KENYA	1971	F	74	46	30
KIDATU	TANZANIA	1972	F	165	35	52,3
RAMU	NEW GUINEA	1973	F	208,6	8,45	15,5,
CABRA CORRAL	ARGENTINA	1973	F	83	45,5	34,2
CRYSTAL	USA (COL.)	1975	F	63,1	52	29,1
HEMREN DAM	IRAQ	1978	K	30,8	95	25
PENITAS	MEXICO	1982	K	32,3	371	106,7
HADITHA	IRAQ	1982	K	46,6	260	110
KIRKUK SS-I	IRAQ	1982	MP	45,7	28	18,9
KIRKUK SS-III	IRAQ	1982	MP	17,9	20	5,8
BANIEYA	GUINEA	1985	K	19,5	15,2	2,6
VERNAYAZ	SWITZERLAND	1985	P	640	6,7	38,5
STRATOS	GREECE	1986	F	37,5	251	83,8
MEZELET	TURKEY	1986	F	104	130,8	31
CRYSTAL	USA (COL.)	1986	F	67,7	22,7	31,4
WALD	AUSTRIA	1986	F	177,6	12,6	21
CATALAN	TURKEY	1987	F	51,5	120	56
BIRRI	COSTA RICA	1988	P	428	2,6	9,6

SUBSTATIONS

Energoengineering in the field of Hydro Civil Construction and Architecture together with other divisions of the Energoinvest Corporation (Electric Equipment Engineering and Equipment Factories), is constantly involved in the design and construction of substations of different types and all voltage levels.

In addition to standard substation buildings we design, deliver and erect prefabricated metal structures for substations of all types and voltage levels, also including control buildings. These buildings have a hot-dip galvanized steel structure with walls and roofs of thermoinsulation strip panels (galvanized or aluminium moulded sheeting).

GAS INSULATED/SF6/METAL-CLAD SUBSTATIONS AND SWITCHGEAR

CLIENT	LOCATION	VOLTAGE (kV)	YEAR	ACTIVITES
MINISTRY OF INDUSTRY S.O.E. IRAQ	RAMADI EAST	132/33/11	1988.	8
	BASRH NORTH	132/33/11	1988	8
	NEW AKASHAT	132/33/11	1988	8
	NEW UM QASR	132/33/11	1988.	8
	BASRA WES	132/33/11	1988.	8
	AMARA	132/33/11	1988.	8
S.O.E. LIBYA	RABTA	220/30/11	1988.	1.2.3.4.5.6.
	NAVAL BASE	220/30/11	1988.	1.2.3.4.5.6.
	BANJAWAD	66/110	1988.	1.2.3.
P.E.E. - SIRYA	DAMASCUS	66/20	1988.	1.2.3.4.
	ALEPO	66/20	1988.	1.2.3.4.
	LATAKIA	66/20	1987.	1.2.3.4.
ELECTRICITY BOARD OF B&H	KAKANJ V	400/15	1988.	1.2.3.4.
	OTOKA	110/10	1975.	1.2.3.4.6.
	KOŠEVO	110/10	1978.	1.2.3.4.
	BUČA POTOK	110/10	1986.	1.2.3.4.
DUBAI ELECTRICITY COMPANY-DUBAI	NAJMA	132	1988.	8

SUBSTATIONS AND SWITCHGEARS 400 kV

CLIENT	LOCATION	VOLTAGE (kV)	YEAR	ACTIVITES
ZEPS-B&H	BOR	400/110	1971.	1.2.3.4.
ELECTRICITY BOARD OF B&H	MOSTAR	400/220/110	1977.	1.2.3.4.
	TUZLA	400/220/110	1977.	1.2.3.4.
	GACKO	400/100/35	1982.	1.2.3.4.
	UGLJEVIK	400/100/35	1985.	1.2.3.4.

SUBSTATIONS AND SWITCHGEARS 220 kV

TANASCO- TANZANIA	SINGIDA	220/33/11	1987.	8
	SHINYANGA	220/33/11	1987.	8
	NWANZA	220/33/11	1987.	8

CLIENT	LOCATION	VOLTAGE (kV)	YEAR	ACTIVITES
ELECTRICITY BOARD OF B&H	MOSTAR 3	220	1.2.3.4.	
	KAKANJ	220	1965.	1.2.3.4.
	KAKANJ	220/110	1970.	1.2.3.4.
	ZENICA 2	220/110	1971.	1.2.3.4.
	TUZLA III	220	1967.	1.2.3.4.
	TUZLA IV	220	1968.	1.2.3.4.
	TUZLA V	220	1978.	1.2.3.4.6.
ELECTRICITY BOARD OF CROATIA	DUBROVNIK	220	1965.	1.2.3.4.
ELECTRICITY BOARD OF B&H	GRANČAREVO	220	1968.	1.2.3.4.
	RAMA	220	1968.	1.2.3.4.
	ČAPLJINA	220	1979.	1.2.3.4.
	SALAKOVAC	220	1981.	1.2.3.4.
	GRABOVICA	220	1981.	1.2.3.4.
	MOSTAR	220	1987.	1.2.3.4.
SUBSTATION AND SWITCHGEARS 150 kV				
P.L.N. - JAKARTA INDONESIA	SPP MEDAN	150/6	1964.	1.2.3.4.
SUBSTATIONS AND SWITCHGEARS 132 kV				
CLIENT	LOCATION	VOLTAGE (kV)	YEAR	ACTIVITES
MINISTRY OF INDUSTRY S.O.E. - IRAQ	FAO	132/11	1974.	8
	RUMAILA	132/6,6	1974.	8
	ABU FLUS	132	1974.	8
	FALLUJA	132/33/11	1975.	8
	HAMMAM AL ALIL	132/33/11	1975.	8
	NAJAF	132/33/11	1975.	8
	SHAMIYA/EXT/	132	1975.	8
	BABIL	132/33/11	1975.	8
	HEET	132/33/11	1982.	8
	UPPER EUPHRATE	132/33	1982.	8
	QARA QOSH	132/33/11	1982.	8
	KIRKUK	132/33	1982.	8
	SHUAIBA /EXT/	132/33	1986.	8
	MUTHANA	132/33/11	1983.	8
	RASHIDIYA	132/33/11	1983.	8
	HILLA SOUTH	132/33/11	1983.	8
	RUTBA	132/33/11	1986.	8
	TIKRIT /EXT/	132/33/11	1983.	8
	SHATRA	132/33/11	1983.	8
	FARABI /EXT/	132/33/11	1982.	8

CLIENT	LOCATION	VOLTAGE (kV)	YEAR	ACTIVITES
MINISTRY OF INDUSTRY S.O.E. - IRAQ	JAMILA /EXT/	132	1982.	8
	NEW BAGHDAD /EXT/	132	1982.	8
	BABIL /EXT/	132/33/11	1984.	8
	NAJAF /EXT/	132/33/11	1984.	8
INDIA	SPP-KALKOT	6,6/132	1965.	1.2.3.4.
INDIA	SPP-KANPUR	11/132	1965.	1.2.3.4.
MINISTRY OF ENERGY TAVANIR-IRAN	RASHT	132/63/20	1970.	1.2.3.4.
M.E.W. KUWAIT	SALMIEH	132	1971.	8
	JABRIEH	132/33/11	1971.	8
	HAWALLY	132/33	1971.	8
G.A.R.E. - EGYPT	ESNA	132/33	1963.	1.2.3.4
WAPDA-PAKISTAN	BUCKEKE	132/66/11	1969.	1.2.3.4.
	MAHRA KHAS	132/11	1969.	1.2.3.4.
	DAMHAR WALA	132/11	1969.	1.2.3.4.
	MUZAFFARGAH	132/11	1969.	1.2.3.4.
	JATOI JANUBI	132/11	1969.	1.2.3.4
	KHAIPU SADAT	132/11	1969.	1.2.3.4
MINISTRY OF ELECTRICITY- SUDAN	RABAK	132/33/11	1964.	1.2.3.4
SUBSTATIONS AND SWITCHGEARS 110 kV				
CLIENT	LOCATION	VOLTAGE (kV)	YEAR	ACTIVITES
MINISTRY OF ELECTRICITY- SUDAN	SENAR	110/33	1964.	1.2.3.4.
	RABAK	110/33/11	1964.	1.2.3.4.
	KHARTOUM NORTH	110/33	1972.	1.2.3.4.
ELECTRICITY BOARD OF B&H	MOSTAR 1	110/35	1958.	1.2.3.4.
	SARAJEVO 1	110/35	1959.	1.2.3.4.
	KAKANJ	110/35	1959.	1.2.3.4.
	BILEĆA	110/35	1959.	1.2.3.4.
	GORAŽDE	110/35	1959.	1.2.3.4.
	BRČKO	110/35	1960.	1.2.3.4.
	DOBOJ	110/35	1960.	1.2.3.4.
	JAJCE I	110/35	1960.	1.2.3.4.
	LUKAVAC	110/35	1960.	1.2.3.4.
	ILIJAS	110/20/6	1960.	1.2.3.4.
	BANLOZI	110/35	1960.	1.2.3.4.
	BANJA LUKA I	110/35	1960.	1.2.3.4.
	PRIJEDOR I	110/35	1960.	1.2.3.4.

CLIENT	LOCATION	VOLTAGE (kV)	YEAR	ACTIVITES
ELECTRICITY BOARD OF MACEDONIA	BITOLA	110/35	1961.	1.2.3.4.
ELECTRICITY BOARD OF B&H	ČAPLJINA	110/35	1962.	1.2.3.4.
ELECTRICITY BOARD OF MONTENEGRO	PLJEVLJA	110/35	1965.	1.2.3.4.
ELECTRICITY BOARD OF B&H	SARAJEVO 2	110/35	1965.	1.2.3.4.
	BOSANSKI ŠAMAC	110/35	1965.	1.2.3.4.
	BIHAĆ	110/35	1965.	1.2.3.4.
	BANJA LUKA	110/35/6	1969.	1.2.3.4.
ELECTRICITY BOARD OF MONTENEGRO	TIVAR	110/35	1965.	1.2.3.4.
ELECTRICITY BOARD OF B&H	TRAVNIK	110/35	1968.	1.2.3.4.
	TREBINJE	110/35	1968.	1.2.3.4.
	JAJCE 2	110/35	1969.	1.2.3.4.
RMHK TREPČA	ŠUPKOVAC	110/35/6	1969.	1.2.3.4.
RMK ZENICA B&H	JUG ZENICA	110/36/6	1973.	1.2.3.4.
	SJEVER ZENICA	110/35/6	1977.	1.2.3.4.
ELECTRICITY BOARD OF MONTENEGRO	HERCEG NOVI	110/35	1981.	1.2.3.4.

SUBSTATIONS AND SWITCHGEARS 66 kV

CLIENT	LOCATION	VOLTAGE (kV)	YEAR	ACTIVITES
MINISTRY OF ENERGY IRAN	ASTARA	63/20	1970.	1.2.3.4.
	LACHTENECHA	63/20	1970.	1.2.3.4.
	LAHIJAN	63/20	1970.	1.2.3.4.
	ROUDSAR	63/20	1970.	1.2.3.4.
	SOMEH SARA	63/20	1970.	1.2.3.4.
	RAMSAR	63/20	1970.	1.2.3.4.
	HATSPAR	63/20	1970.	1.2.3.4.
	DACHT	66/11	1972.	1.2.3.4.
	GASTURBINE	66/11	1972.	1.2.3.4.
	NAQSH E ROSTAM	66/11	1972.	1.2.3.4.
	TAKHT E JAMSHID	66/11	1972.	1.2.3.4.
	ZARGHAN	66/11	1972.	1.2.3.4.
	IRANRAMSAR II	63/20	1976.	1.2.3.4.
	DINDARLO	66/11	1972.	1.2.3.4.

CLIENT	LOCATION	VOLTAGE (kV)	YEAR	ACTIVITES
WAPDA-PAKISTAN	ALIPUR	66/11	1970.	1.2.3.4.
	ALIJAG	66/11	1969.	1.2.3.4.
	MALAGUR	66/11	1969.	1.2.3.4.
	LILIAN	66/11	1967.	1.2.3.4.
	BARANA	66/11	1967.	1.2.3.4.
S.O.E. LIBYA	GHARIAN	66/11	1980.	1.2.3.4.
	TARHUNA	66/11	1980.	1.2.3.4.
	SHAK SHOOK	66/11	1980.	1.2.3.4.
	TIJI	66/11	1980.	1.2.3.4.
	AZ ZINTAN	66/11	1980.	1.2.3.4.
	SUF AL JIN	66/11	1980.	1.2.3.4.
	WADI MARDUM	66/11	1980.	1.2.3.4.
	GOSH	66/11	1980.	1.2.3.4.
	JEFREN	66/11	1980.	1.2.3.4.
	KIKLAN	66/11	1980.	1.2.3.4.
	BANI WALID	66/11	1980.	1.2.3.4.
	NALUT	66/11	1980.	1.2.3.4.
	BUGREEN	66/11	1980.	1.2.3.4.
	MARTUBA	66/11	1988.	1.2.3.4.5.
	RAJMA	66/11	1988.	1.2.3.4.5.
	ALARDAM	66/11	1988.	1.2.3.4.5.
	EGYPT	BAHTEEM	66/11	1971.
MOSTOROD		66/11	1971.	1.2.3.4.5.
SOUTH TAHRAR		66/11	1971.	1.2.3.4.5.
KAHA		66/11	1971.	1.2.3.4.5.
KANATER		66	1971.	1.2.3.4.5.
MANSOURA		66/11	1972.	1.2.3.4.5.
MANZALA		66/11	1972.	1.2.3.4.5.
SVEZI		66/11	1973.	1.2.3.4.5.
KAYED		66/11	1973.	1.2.3.4.5.
BELKAS		66	1973.	1.2.3.4.5.
FAYOUM		66	1973.	1.2.3.4.5.
ABU GHANIMA		66/11	1973.	1.2.3.4.5.
NOUBARIA		66	1973.	1.2.3.4.5.
SUBSTATIONS AND SWITCHGEARS 60/30 kV				
LA SOCIETE SONELGAZ TRANSPORT DE L' ELECTRICITE „GRTE SPA“ ALGERIA	6 STATIONS BUILDING HT BUILDING MT	60/30	2005, 2006, 2007	1.2.3.4.

SUBSTATIONS AND SWITCHGEARS 35, 30, 11, 5, 11, 10, 04 kV				
CLIENT	LOCATION	VOLTAGE (kV)	YEAR	ACTIVITES
SOE LIBYA	84 STATIONS	30/11	1971-84.	1.2.3.4.
	240 STATIONS	10/0,4	1971-84.	1.2.3.4.8.
	9 STATIONS	10/11	1988.	1.2.3.4.6.
PLIN - INDONESIA	7 STATIONS	30/11,5	1988.	1.2.3.4.
ELECTRICITY BOARD OF B&H	85 STATIONS	35/10	1968-82.	1.2.3.4.
	27 STATIONS	10/0,4	1959-84.	1.2.3.4.

THERMAL POWER PLANTS, NUCLEAR POWER PLANTS, INDUSTRIAL STEAM AND HEAT GENERATING PLANTS

The design and construction of thermal power plants, industrial power stations, and heat and steam generating plants have always been among the most important activities of Energoengineering in the field of Hydro Civil Construction and Architecture, together with the extension of nuclear power plants and design of hydro-electric power plants.

All activities concerning the implementation of these projects are

performed together with other divisions within Energoengineering. Our experience in relevant aspects of such projects should be noted: elaboration of general plans, architectural modelling of complexes, design of large structures (power stations, boiler houses, coal ramps, etc.), dynamic-loaded foundations (turbogenerators, mills, pumps, etc), high chimneys, cooling towers and special foundations.

THERMAL POWER PLANTS

CLIENT	LOCATION	POWER	YEAR	ACTIVITES
J.B.K. MINERALS	KANPUR	2x32 MW	1966.	1.2.3.4.6.
L.T.D. INDIA	KALKOT	3x7,5 MW	1967.	1.2.3.4.6
P.L.N. INDONESIA	MAKASAR	2x2,5 MW	1970.	1.2.3.4.6.
	PALEMBANG	2x12,5 MW	1972.	1.2.3.4.6.
	MEDAN	2x65 MW	1985.	1.2.3.4.6.
S.O.E. LIBYA	MELLITA	6x120 MW	1982.	1.2.
P.E.E. SIRIA	BANIAS	300 MW	1985.	1.2.
ELECTRICITY BOARD OF B&H	ZENICA	75t/h	1953.	1.2.3.
ELECTRICITY BOARD OF MACEDONIA	MADŽARI		1954.	2.3.4.
ELECTRICITY BOARD OF B&H	FOČA	3,5 MW	1954.	1.2.3.4.6.
	KAKANJ I	2x32 MW	1956.	1.2.3.4.6.
	KAKANJ II	2x32 MW	1960.	1.2.3.4.6.
ZPS SER&MON	RTANJ	12,5 MW	1963.	1.2.3.4.
ELECTRICITY BOARD OF B&H	TUZLA I	2x32 MW	1966.	1.2.3.4.
ELEKTROPRIVREDA B&H	TUZLA II	110 MW	1966.	1.2.3.4.
	TUZLA III	200 MW	1973.	1.2.3.4.
ELECTRICITY BOARD OF MACEDONIA	OSLOMEJ	32 MW	1961.	1.2.
ELECTRICITY BOARD OFB&H SARAJEVO	KAKANJ III	110 MW	1966.	1.2.3.4.
	TUZLA VI	350 MW	1989.	1.
	UGLJEVIK II	300 MW	1985.	3.4.
	UGLJEVIK	200 MW	1975.	1.2.
	GACKO	200 MW	1974.	1.2.
	FOČA	2,5 MW	1952.	1.2.3.4.
	TUZLA IV	200/215 MW	1974.	1.2.3.4.
	KAKANJ IV	110/MW	1973.	1.2.3.4.6.
	TUZLA V	215/230 MW	1979.	1.2.3.4.6.
	GACKO I	300 MW	1983.	1.2.3.4.
	UGLJEVIK I	300 MW	1985.	1.2.3.4.
	KAKANJ V	230	1979.	1.2.3.4.
	TUZLA B	4x500 MW	U/C	1.
	LIVNO	-	1966.	1.2.

NUCLEAR POWER PLANTS

CLIENT	LOCATION	POWER	YEAR	ACTIVITIES
ELECTRICITY BOARD OF B&H SARAJEVO	ALEKSIN HAN (EXPERIMENTAL)	12,5 MW	1968.	1.2.
HEATING AND ENERGY PLANTS				
CLIENT	LOCATION	POWER	YEAR	ACTIVITIES
»RMK ZENICA« B&H	ZENICA	3x25/32 HI aud 3 turbo-blowers	1954	1.2.3.4.
ENERGOINVEST OIL REFINERY B&H	BOS. BROD	32/40 t/h	1957.	1.2.3.4.
R.T.B. BOR SERBIA&MONTENEGRO	BOR	40/50 t/h	1957.	1.2.3.4.
»SODA-SO« TUZLA B&H	LUKAVAC	6,5 MW	1975.	1.2.3.4.
»INCEL« BANJA LUKA B&H	BANJA LUKA I	10 MW	1959.	1.2.3.4.
I.P.K. VRBAS SERBIA&MONTENEGRO	VRBAS	3 MW	1959.	1.2.3.4.6.
I.P.K. BELJE CROATIA	BRANJIN VRH	3,5 MW	1959.	1.2.3.4.6.
R.T.P. BOR SERBIA&MONTENEGRO	BOR	12,5 MW	1961.	1.2.3.4.6.
»INCEL« BANJA LUKA B&H	BANJA LUKA II	16 MW	1964.	1.2.3.4.6.
»OHIS« SKOPJE MACEDONIA	SKOPLJE	5 MW	1960.	1.2.
»UPI« B&H	BIJELJINA	2 MW	1960.	1.2.
»KRIVAJA« B&H	ZAVIDOVIĆI	8 MW	1961.	1.2.
ELECTRICITY BOARD OF SLOVENIA	LJUBLJANA	2.32 MW	1960.	1.2.
	KRANJ	32 MW	1965.	1.2.
ELECTRICITY BORAD OF VOJVODINA SERBIA&MONTENEGRO	NOVI SAD	16 MW	1960.	1.2.
ZEPS SER&MON	NOVI BEOGRAD	2x32 MW	1968.	1.2.
»SODA SO« TUZLA B&H	TUZLA	-	1960.	1.2.

CLIENT	LOCATION	POWER	YEAR	ACTIVITIES
K.H.K. LUKAVAC of B&H	LUKAVAC	75 MW	1972.	1.2.3.
RMK ZENICA of B&H	ZENICA	2x300 t/h	1970.	1.2.3.4.6.
ENERGOINVEST ALUMINA-MOSTAR of B&H	MOSTAR	3x43 t/h (STREAM) 4,10 MW (E)	1973.	1.2.3.4.6.
»ŠIPAD« BOSANKA of B&H	BLAŽUJ		1964.	1.2.3.
ENERGOINVEST ALUMINA »BIRAČ« of B&H	ZVORNIK	4x120t/h (STREAM) 2x10 MW (E)	1970.	1.2.
»INCEL-NATRON MAGLAJ of B&H	MAGLAJ		1970.	1.2.
ENERGOINVEST REFINERY of B&H	MODRIČA		1972.	1.2.
S.P.S. of B&H	VITEZ		1957.	1.2.
»LIGNOŠPER« of B&H	BOSANSKI NOVI		1957.	1.2.3.
»ŠIPAD« MAGLIĆ FOČA of B&H	FOČA		1987.	6.

BOILER-STATION PROJECTS

CLIENT	LOCATION	POWER	YEAR	ACTIVITIES
»ĐURO SALAJ« of B&H	MOSTAR		1953.	1.2.3.4.
»ZMAJ« SER&MON	ZEMUN		1968.	1.2.
»ENERGOINVEST« OF B&H	LUKAVICA		1965.	1.2.3.4.
»JUGOTURBINA« of CROATIA	KARLOVAC		1954.	1.2.3.4.
»BRATSTVO« of B&H	NOVI TRAVNIK		1953.	1.2.
I.V. B&H	STOJČEVAC		1954.	1.2.3.4.

PUBLIC WATER UTILITIES

All activities related to the implementation of the following projects are performed within this division:

- Potable water supply to settlements, industrial plants, building sites, and other consumers.
- Technical and emergency fire water supplies to settlements and industrial plants.
- Drainage systems for communal and industrial sewage.
- Facilities for the disposal/treatment of communal and industrial sewage.
- Other water utility structures.

Water supply projects include designs for drainage networks for atmospheric, fecal, and industrial waste waters, as well as sewage treatment plants, pump stations, settlement tanks, aeration basins, mud treatment basins and other necessary facilities.

WATER SUPPLY SYSTEM

CLIENT	LOCATION	CAPACITY	YEAR	ACTIVITIES
INDIA	KALKOT THERMAL		1968.	1.2.3.4.6.
	POWER PLANT			
INDIA	KAMPUR T.P.P.		1968.	1.2.3.4.6.
PLAN JAKARTA INDONESIA	MAKASAR T.P.P.		1969.	1.2.3.4.6.
	PALEMBANG T.P.P.		1969.	1.2.3.4.6.
	MEDAN T.P.P.		1985.	1.2.3.4.6.
ELECTRICITY BOARD OF MACEDONIA	OSLOMEJ T.P.P.	1440 m ³ /h	1960.	1.2.
ELECTRICITY BOARD OF SLOVENIA	HEATING PLANT KRANJ	4000 m ³ /h	1960.	1.2.
ZEPS B&H ELECTRICITY	RTANJ T.P.P.	204 m ³ /h	1962.	1.2.3.4.
	GACKO T.P.P.		1984.	1.2.3.4.
	UGLJEVIK T.P.P.		1982.	1.2.3.4.
	TUZLA I & II T.P.P.	2520 m ³ /h	1966.	1.2.3.4.
	KAKANJ I II & II T.P.P.	400 m ³ /h	1956/69.	1.2.3.4.
OHIS-MACEDONIA	OHIS SKOPJE	2530 m ³ /h	1959.	1.2.
UPI-B&H	SUGAR REFINERY BIJELJINA	648 m ³ /h	1960.	1.2.
RMK ZENICA B&H	ZENICA IRON FOUNDRY	15600 m ³ /h	1960.	2.
P.D. »BUKOVIK« B&H	BUKOVIK SARAJEVO		1987.	2.3.
INCEL B&H	CELLULOSE BANJA LUKA	10500 m ³ /h 648 m ³ /h	1965. 1968.	1.2.3.4. 1.2.
ENERGOINVEST B&H	LEAD & ZINC MINES SREBRENICA			
	ALUMINIUM FACTORY MOSTAR	2000 m ³ /h	1973.	1.2.3.4.
I.P.K. VRBAS SERBIA&MONTENEGRO	SUGAR REFINERY VRBAS	-	1957.	1.2.3.4.
LIGNOŠPER B&H	FACTORY OF WOODEN PANELS »LIGNOŠPER« BOSANSKI NOVI		1959.	1.2.3.4.
ŠIPAD B&H	PLYWOOD FACTORY GORNJA SANICA		1978.	1.2.3.4.

CLIENT	LOCATION	CAPACITY	YEAR	ACTIVITIES
ENERGOINVEST B&H	ALUMINA FACTORY »BIRAČ« ZVORNIK		1978.	1.2.3.4.
SODA SO TUZLA B&H	SALTE MINE »TETIMA«		1985.	7.
ELECTRICITY BOARD OF B&H	TPP UGLJEVIK	350 l/s	1986.	3.
	TEXTILE IND DURO SALAJ MOSTAR	2x250 l/s	1987.	3.
				3.4.
	HEPOK VINOGRADI MOSTAR	200 l/s	1987.	3.4.
BAUXITE MINE JAJCE B&H	RESNIK	10 l/s	1989.	3.
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA & WORLD BANK	OLOVO	60 l/s	1996	3
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA & WORLD BANK	MAGLAJ	30 l/s	1996	3
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA & WORLD BANK	PRUSAC	20 l/s	1996	3
MUNICIPALITY DONJI VAKUF	SLATINSKA RIJEKA, DONJI VAKUF	70 l/s	1999	3
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA	LUKAVICA RIJEKA, DOBOJ ISTOK	20 l/s	2000/01	2,3
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA & KUWAIT	SARAJEVO, (SUBKONSULTANT SA GIBB/LONDON, KCIC/KUWAIT)	500000 ES	1999/2000	1,2
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA	GORAŽDE	50 l/s	2001	6
WATER SUPPLY SYSTEMS FOR SETTLEMENTS AND BUILDING SITES				
SO TREBINJE B&H	TREBINJE	60 l/sec	1965.	1.2.3.4.
SO BILEĆA B&H	BILEĆA	60 l/sec	1966.	1.2.3.4.
SO SOKOLAC B&H	SOKOLAC	40 l/sec	1966.	1.2.3.4.
SO DUBROVNIK CROATIA	KONAVLE- BRSEČINE	1000 l/sec	1967.	1.2.
SO KRAGUJEVAC SERBIA&MONTENEGRO	SYSTEM »GRUŽA« KRAGUJEVAC		1984.	7.
TOWN ASSEMBLY OF SARAJEVO B&H	SARAJEVO WATER SUPPLY SYSTEM - COMPLETE CONSULTING		1979.	7.
GRAS-SARAJEVO B&H	TROLLEYBUS »DEPO« WATER SUPPLY SYSTEM		1985.	3.
ELECTRICITY BOARD OF B&H AND CROATIA	H.P.P. JAJCE II		1954.	1.2.3.4.
	TPP KAKANJ		1967.	1.2.3.4.
	H.P.P. TREBINJE		1967.	1.2.3.4.
	H.P.P. DUBROVNIK		1967.	1.2.3.4.
	H.P.P. RAMA		1967.	1.2.3.4.
	H.P.P. SALAKOVAC		1985.	1.6.
	H.P.P. BOČAC		1985.	1.2.3.
	H.P.P. GRABOVICA		1984.	3.

CLIENT	LOCATION	CAPACITY	YEAR	ACTIVITIES
ELECTRICITY BOARD OF B&H	H.P.P. VIŠEGRAD		1986.	2.3.
	H.P.P. MOSTAR		1987.	2.3.
	H.P.P. FOČA		1987.	2.3.
ELECTRICITY BOARD OF CROATIA	H.P.P. ORLOVAC		1970.	1.2.3.4.
SO TUZLA OF B&H	WATER SUPPLY SYSTEM FROM THE KRIVAJA RIVER		1983.	1.2.
BAUXITE MINE JAJCE OF B&H	TAO JAJCE DIVIČANI	10 l/sec	1986.	2.3.
»ŠIPAD MAGLIĆ« FOČA OF B&H	“ŠIPAD-MAGLIĆ” FOČA		1987.	2.
TOWN ASSEMBLY OF SARAJEVO B&H	WATER SUPPLY SYSTEM BIJELA RIJEKA		1983.	1.2.
ENERGOINVEST OF B&H	WATER SUPPLY SYSTEM DOBRO SELO		1985.	2.
LIBYA	GHARYAN WATER SUPPLY SYSTEM		1985.	TENDERS
ENERGOINVEST OF B&H	WATER SUPPLY SYSTEM »D« BLAŽUJ		1985.	1.2.3.
LEAD & ZINC MINE SREBRENICA OF B&H	SREBRENICA	80 l/s	1988.	2.
ELECTRICITY BOARD OF B&H	HPP DABAR		1988.	3.
	HPP BORIŠA KOVAČEVIĆ		1988.	3.
	HPP SLAVIŠA VAJNER ČIČA		1989.	3.
SONELGAZ ALGERIA	HPP GARGAR		1989.	2.3.
PIU HOUSING	DELIJAĆ- TRNOVO	10 l/s	1998	3,4
HO ESPERO, Sarajevo	KLOKOTNICA	30 l/s	1999	2
HO EMAUS International	DUJE, DOBOJ ISTOK	10 l/s	1999	3
PIU HOUSING	ČUKLE, HAN BILA	10 l/s	2000	3,4
MZ HAN BILA Travnik	HAN BILA	25 l/s	2002	3
MUNICIPALITY TRAVNIK	KALIBUNAR TRAVNIK	30 l/s	2003	6
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA	SAPNA	10 l/s	2002	1
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA	ĐURĐEVİK	10 l/s	2002	1

SEWERAGE AND WASTE WATER TREATMENT /PPOV/				
CLIENT	LOCATION	CAPACITY	YEAR	ACTIVITIES
IRON FOUNDRY	PPOV-ŠTORE		1967.	1.2.3.4.
FAMOS B&H	PPOV-FAMOS HRASNICA		1969.	1.2.3.4.
ENERGOINVEST B&H	ALUMINA FACTORY MOSTAR - WATER CONDITIONING		1972.	1.2.3.4.
ZMAJ-ZEMUN SERBIA&MONTENEGRO	PPOV-ZMAJ		1974.	1.2.3.4.
REMONTNI ZAVOD B&H	HADŽIĆI SEWERAGE		1977.	1.2.3.4.
SO BOSANSKI NOVI B&H	BOSANSKI NOVI PUMP STATION FOR WASTE WATER		1978.	1.2.3.4.
ENERGOINVEST B&H	PPOV-FACTORY OF AUTOMOBILE		1974.	
	SPARK PLUGS AND CERAMICS TEŠANJ			
	WASTE WATER B&H		1971.	1.
	PPOV-OIL-REFINERY BOSANSKI BROD		1974.	1.2.3.
SO VRŠAC SERBIA&MONTENEGRO	PPOV-VRŠAC			
REFINERY BELGRADE SER&MON	PPOV-REFINERY BELGRADE		1977.	1.2.3.4.
TOWN ASSEMBLY OF SARAJEVO B&H	PPOV-SARAJEVO	600.000/900.000 E.C.	1977.	1.2.7.
ELECTRICITY BOARD OF B&H	KAKANJ T.P.P.	6 m ³ /h	1956.	1.2.3.4.
ELECTRICITY BOARD OF SLOVENIA	HEATING PLANT KRANJ WATER DISCHARGE	400 m ³ /h	1960.	1.2.
ELECTRICITY BOARD OF B&H	TUZLA I T.P.P. SEWERAGE		1963.	1.2.3.4.
»CVETA DABIĆ« SERBIA&MONTENEGRO	UŽICE TEXTILE INDUSTRY SEWERAGE		1963.	1.2.
P.K. PRIŠTINA SERBIA&MONTENEGRO	PRIŠTINA SEWERAGE		1965.	1.2.3.4.
UNIS B&H	GORAŽDE-VITKOVIĆI CHEMICAL INDUSTRY SEWERAGE	863 m ³ /h	1969.	1.2.3.4.
VISCOSE FACTORY LOZNICA SER&MON	LOZNICA -VISCOSE SEWERAGE	3600 m ³ /h	1969.	1.2.3.4.
LEAD MINE MEŽICE SLOVENIA	MEŽICE SEWERAGE	550 m ³ /h	1970.	1.2.
ENERGOINVEST	MOSTAR-ALUMINIUM SEWERAGE	4 m ³ /h	1974.	1.2.3.4.
	SREBRENICA LEAD & ZINC MINE SEWERAGE	212,2 m ³ /h	1972.	1.2.3.4.
SO TUZLA B&H	TUZLA SEWERAGE	580 m ³ /h	1970.	1.2.
LEAD AND ZINC SMELTER ZLETOVO	LEAD AND ZINC SMELTER ZLETOVO SEWERAGE		1964.	2.
ENERGOINVEST	DOBOJ-FACTORY SEWERAGE		1965.	3.
»HASAN BRKIĆ« LIVNO B&H	LIVNO TEXTILE FACTORY SEWERAGE		1966.	2.
ELECTRICITY BOARD OF B&H	TUZLA T.P.P. PPOV		1977.	1.2.
ENERGOINVEST B&H	LUKAVICA FACTORY PPOV		U/C	1.2.3.4.
ELECTRICITY BOARD OF B&H	KAKANJ T.P.P. PPOV		1977.	1.2.
ENERGOINVEST B&H	DOBOJ-TRUDBENIK PPOV		1977.	1.2.3.

CLIENT	LOCATION	CAPACITY	YEAR	ACTIVITIES
SO ZRENJANIN SERBIA&MONTENEGRO	ZRENJANIN CITY AND INDUSTRY PPOV		1979.	1.2.
SO ROGATICA B&H	ROGATICA PPOV	22.000 E.C.	1980.	1.2.
WATER ECONOMY OF MACEDONIA	OHRID LAKE PROJECT OF PROTECTION		1986.	7.
ENERGOINVEST B&H	VLASENICA-FACTORY OF ALUMINIUM EXTRUSIONS PPOV		1986	1.2.3.4.
SO CAZIN B&H	CAZIN PPOV		1984.	1.2.
ENERGOINVEST B&H	CREPOLJSKO SPORTS CENTRE		1980.	1.2.3.4.
	OLYMPIC MOUNTAINS JAHORINA, BJELAŠNICA AND IGMAN		1982.	1.2.3.4.
»POLIESTER« PRIBOJ SER&MON	»POLIESTER« PRIBOJ		1971.	1.2.3.4.
ENERGOINVEST B&H	FACTORY COMPLEX STUP - SARAJEVO		1982.	1.2.3.4.
	FACTORY COMPLEX TRANSMISSION LINES BLAŽUJ-SARAJEVO		1985.	1.2.3.4.
REIK »KOLUBARA« SERBIA&MONTENEGRO	LAZAREVAC COMBINE KOLUBARA		1985.	1.2.
ELECTRICITY BOARD OF B&H	TPP KAKANJ III & IV STAGE		1986.	1.2.3.4
ELECTRICITY BOARD OF B&H	TPP KAKANJ III & IV STAGE		1986.	1.2.3.4.
ELECTRICITY BOARD OF B&H	T.P.P. GACKO I T.P.P. UGLJEVIK II		1979. 1982.	1.2.3. 1.2.3.
ELECTRICITY BOARD OF B&H	H.P.P. SALAKOVAC		1985.	1-6.
	H.P.P. GRABOVICA		1984.	3.
	H.P.P. BOČAC		1985.	1.2.3.
	H.P.P. MOSTAR		1987.	2.3.
	H.P.P. FOČA		1987.	2.3.
	H.P.P. VIŠEGRAD		1987.	2.3.
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA & WORLD BANK	PRUSAC	20 l/s	1997	3
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA	PRUSAC - DONJI VAKUF	30 l/s	1999	3
PIU HOUSING	ČUKLE, HAN BILA	10 l/s	2000	3,4
MUNICIPALITY ZENICA	MALA BRODA ZENICA	10 l/s	2000	2,3
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA	CAZIN	40 l/s	2000	6
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA	DONJI VAKUF	50 l/s	2000	6
ELECTRICITY BOARD OF BIH SARAJEVO	JABLANICA	30 l/s	2001	2
MUNICIPALITY VITEZ	VITEZ	10 l/s	2001	3
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA	VELAGIĆI, KLJUČ	10 l/s	2000/01	2
MZ HAN BILA TRAVNIK	HAN BILA	25 l/s	2002	3
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA	ZENICA	250000 ES	2003	6
PUBLIC ENTERPRISE FOR WATER AREA OF RIVER SAVA	VAREŠ	40 l/s 10000 ES	2003	2
INSTITUTE FOR CANTON SARAJEVO CONSTRUCTION	LANDFILL OF CITY SARAJEVO	30 l/s	2003	6
ENERGOINVEST MEBOŠ B&H	BOSANSKI ŠAMAC		1988.	3.
SONELGAZ ALGERIA	HPP GARGAR		1989.	2.3.

ARCHITECTURAL FACILITIES

In addition to the work of our architects on all types of power, industrial, hydraulic, and special purpose plants, numerous architectural structures have been designed by them:

- various research facilities
- research and test laboratories
- technical schools and colleges
- engineering, computer and administrative buildings
- hotels, restaurants and catering facilities
- residential buildings, housing settlements, public halls, etc.
- public transport facilities (air, bus, tramcar, cable car, etc.)
- post office facilities and telecommunication towers
- other architectural and town planning projects

ARCHITECTURAL FACILITIES

CLIENT	LOCATION AND PROJECT	CAPACITY	YEAR	ACTIVITY
RMK ZENICA B&H	ZENICA-IRON FOUNDRY FORGE CONTROL BUILDING	5000 m ²	1965.	1.2.3.4.
	ZENICA-IRON FOUNDRY DISPATCHING CENTER	1200 m ²	1965.	1.2.3.4.
ZENICA-RESTAURANT WITH WARDROBE BY THE MECHANICAL SHOP	3600 m ²	1965.	1.2.3.4.	
TUZLA T.P.P. B&H	TUZLA - T.P.P. CONTROL BUILDING	2000 m ²	1962.	1.2.3.4.
ČATIĆI T.P.P. B&H	KAKANJ-SPORTS CENTER	1100 m ²	1965.	1.2.3.4.
ENERGOINVEST B&H	SARAJEVO ADMINISTRATION BUILDING EXTENSION	1800 m ²	1966.	1.2.3.4.
	ALIPAŠIN MOST FACTORY RESTAURANT	1200 m ²	1966.	1.2.3.4.
SARAJEVO-HEAD OFFICE OF ENERGOINVEST	4300 m ²	1982.	1.8.	
ENERGOINVEST »BIRAČ« B&H	ZVORNIK BIRAČ FACTORY ADMINISTRATION BUILDING	1800 m ²	1981.	1.2.3.4.
GACKO T.P.P. B&H	GACKO S.P.P. ADMINISTRATION BUILDING	3000 m ²	1984.	1.2.3.4.
UGLJEVIK T.P.P. B&H	UGLJEVIK S.P.P. ADMINISTRATION BUILDING	3000 m ²	1984.	1.2.3.4.
WORKSERS UNION B&H CROATIA	GRADAC HOTEL »ĐURO SALAJ«	240 beds	1963.	1.2.3.4.
KAKANJ T.P.P. B&H	T.P.P. KAKANJ SETTLEMENT	5000 m ²	1965.	1.2.3.4.
SKOPJE MACEDONIA	SKOPJE SHOPPING CENTER	100000 m ²	1969.	1.2.

CLIENT	LOCATION AND PROJECT	CAPACITY	YEAR	ACTIVITY
ENERGOINVEST VLAZENICA B&H	MILIĆI-TOWN PLANNING PROJECT	160 flats	1975.	1.2.3.4.
	MILIĆI-SETTLEMENT	10000 m ²	1975.	1.2.3.4.
	VLAZENICA RESIDENTIAL BUILDINGS	1800 m ²	1974.	1.2.3.4.
ENERGOINVEST ZVORNIK B&H	ZVORNIK NAMAHDŽAH SETTLEMENT	4000 m ²	1976.	1.2.3.4.
ENERGOINVEST B&H	JAHORINA »KOŠUTA« HOTEL	161 beds	1984.	1-8.
H.P.P. VRBAS-JAJCE B&H	BOČAC MOTEL	60 beds	1980.	1.2.3.4.
ENERGOINVEST VLAZENICA B&H	MILIĆI-CULTURAL CENTER	1500 m ²	1976.	1.2.3.4.
JAJCE B&H	JAJCE ADMINISTRATION BUILDING	2800 m ²	1979.	1.2.3.4.
ALUMINA FACTORY SKOPJE MACEDONIA	SKOPJE ADMINISTRATION BUILDING	2700 m ²	1976.	1.2.3.4.
ENERGOINVEST TAT B&H	SARAJEVO-STUP ADMINISTRATION BUILDING	2400 m ²	1979.	1.2.3.4.
UPI SARAJEVO B&H	HEAD OFFICE SARAJEVO	12000 m ²	1962.	1.3.4.
CITY TRADE FIRM- ZENICA B&H	CITY MARKET CENTER-ZENICA	3000 m ²	1974.	2.3.4.
ENERGOINVEST ENERGOMONTAŽA B&H	RECREATION CENTER »ILOVICA«	500 m ²	1970.	2.3.
ENERGOINVEST PETROLINVEST B&H	ADMINISTRATION BUILDING	1600 m ²	1970.	2.3.
MEDAN T.P.P. INDONESIA	ADMINISTRATION BUILDING	1800 m ² 1040 m ²	1983. 1988.	2.3.4.5. 2.3.4.5.
SOI-IRAQ	RESIDENTIAL BUILDINGS BAGDAD-IRAQ	1040 m ²	1988.	2.3.4.5.
SOI-IRAQ	RESIDENTIAL BUILDINGS AMARA-IRAQ	500 m ²	1988.	2.3.4.5.
ENERGOINVEST B&H	LUKAVICA FACTORY RESTAURANT	2500 m ²	1987.	2.3.
»MONTENEGRO TURIST« »ŽABLJAK« SER&MONTENEGRO	ŽABLJAK CABLE CAR	h=600 m		1.2.3.4.
»LENTEP«- LENJINGRAD RUSSIA	LENJINGRAD ADMINISTRATION BUILDING	7000 m ²		1.2.
»BAŠNEFTEHIMO UFA, RUSSIA	SOCI-LAZAREVSKO HOTEL	200 beds		1.2.

COMMUNICATIONS, TRAFFIC, TRANSPORT

CLIENT	LOCATION AND PROJECT	CAPACITY	YEAR	ACTIVITY
SARAJEVO B&H	SARAJEVO CABLE CAR SARAJEVO TREBEVIĆ	h=550 m	1959.	1-6.
RTV SARAJEVO B&H	BJELAŠNICA TV I UKV TOWER	h=67 m	1965.	1-6.
	VELEŽ - TV I UKV TOWER	h=67 m	1965.	1-6.
SARAJEVO AIRPORT B&H	SARAJEVO-AIRPORT BUILDING	3000 m ²	1967.	1-8.
PTT SARAJEVO B&H	TREBEVIĆ-UKV TOWER	h=80,5 m	1967.	1-6.
	OLOVO-POST OFFICE	900 m ²	1967.	1-4.
	DIFFERENT LOCATIONS UKV AREALS	12 loka	1975-78.	1.2.3.4.
BUS TERMINAL ZAGREB CROATIA	ZAGREB-BUS TERMINAL	14000 m ²	1975.	2.
SARAJEVO B&H	SARAJEVO TROLLEY BUS DEPO	COMPLEX 35000 m ²	1986.	1-6.
CROATIA OIL PIPE LINE ZAGREB CROATIA	CROATIA OIL-PIPELINE ADMINISTRATION BUILDINGS	3000 m ²	1978.	1.2.3.4.
»MONTENEGRO TURIST« ŽABLJAK SER&MON	ŽABLJAK HOTEL	1000 beds		1.2.3.4.
»SPUTNIK« RUSSIA		DOMBAJ CABLE CAK	h=1000 m	1.2.3.
ENERGOINVEST B&H	STUP-ITEN	10000 m ²	1965.	1.2.3.4.
	STUP-ERC	4000 m ²	1965-78.	1.2.3.4.
	LUKAVICA-IRCE	6000 m ²	1965-67.	1.2.3.4.
SERIAL TEST B&H	STUP - IRCA	4600 m ²	1969-78.	1.2.3.4.
	LUKAVICA VNL FOR SERIAL TESTS	3600 m ²	1965.	1.2.3.4.
	DOBRINJE-TEST STATION OF HIGH POWER	COMPLEX		1.2.3.4.
		40000 m ²	1970.	1.2.3.4.
METALLURGY INSTITUTE »HASAN BRKIĆ« B&H	ZENICA-METALLURGY INSTITUTE	COMPLEX		
		40000 m ²	1970.	1.2.3.4.
	ZENICA-CHEMISTRY LABORATORY	1600 m ²	1964.	1.2.

CLIENT	LOCATION AND PROJECT	CAPACITY	YEAR	ACTIVITY
SARAJEVO UNIVERSITY B&H	ZENICA-METALLURGY FACULTY	6000 m ²	1964.	1.2.3.4.
	LUKAVICA-ELECTRO TECHNICAL FACULTY	40000 m ²	1974.	1.2.3.4.
	SARAJEVO MECHANICAL ENG FACULTY	27000 m ²	1986.	1.2.3.4.6.
ENERGOINVEST B&H	ALIPAŠIN MOST TEST STATION FOR STEEL STRUCTURES CONTROL BUILDING	500 m ²	1976.	1.2.3.4.
GOVERNMENT UGANDA	KAMPALA - TECHNICAL FACULTY		1972.	1.2.3.
ENERGOINVEST B&H	SARAJEVO-ELECTRO TECHNICAL SCHOOL CENTER JAROSLAV ČERNI	17000 m ²	1986.	1.2.
ENERGOINVEST B&H	BUILDING OF DEVELOPMENT AND SCIENCE	60000 m ²	1988.	1.2.

ARCHITECTURAL AND CIVIL ENGINEERING WORKS

INVESTOR	PROJECT NAME	CAPACITY	YEAR	ACTIVITY
EUROPE UNION ADMINISTRATION OF MOSTAR	HOUSING - BUSINESS BUILDING BEJRUT - MOSTAR	3000 m ²	1995	1,2,3,4.
EUROPE UNION ADMINISTRATION OF MOSTAR	MUNICIPALITY MOSTAR	1500 m ²	1995	1,2,3.
EUROPE UNION ADMINISTRATION OF MOSTAR	HOTEL BRISTOL - MOSTAR	5600 m ²	1995 - 1996	1,2,3,4.
B&H GOVERNMENT AND WORLD BANK	SUPREME COURT B&H SARAJEVO		1996	3,4.
SARAJEVO CANTON AND INSTITUTE FOR CANTON PLANNING	RECREATIVE - SPORT AREA BENTBAŠA		1997 - 1998	1
SARAJEVO UNIVERSITY	SCHOOL FOR MECHANICAL ENGINEERING - SARAJEVO	12000 m ²	1994	1,2.
SOROS FOUNDATION INTERTECT - USA	PS ISAK SAMOKOVLJICA, PS ČENGIĆ VILA, PS MEŠA SELIMOVIĆ, SARAJEVO	1000 m ²	1994	1,2.
SOROS FOUNDATION INTERTECT - USA	MUSEUM OF BOSNIA AND HERZEGOVINA, MUSEUM OF REVOLUTION, JEWS MUSEUM, I GYMNASIUM SARAJEVO	800 m ²	1994	1,2.
ENERGOINVEST SARAJEVO	OFFICE BUILDING FOR FACTORY OF ELECTRICAL EQUIPMENT -ELOP STUP, SARAJEVO	6800 m ²	1997 - 1998	1,2,3,4.
GOVERNMENT B&H, PIU EHS AND WORLD BANK	MAIN STERILIZATION OF CLINIC CENTER KOŠEVO	1200 m ²	1998	1,2,3,4.
EUROPEAN UNION	HIGH TECHNICAL SCHOOL, SARAJEVO	14000 m ²	1998	1,2,3.
FEDERAL MINISTRY OF AREA PLANNING AND ENVIRONMENT PIU HOUSING	MUNICIPALITY TRNOVO BUILDING	20000 m ²	1999	6
ENERGOINVEST, SARAJEVO	OFFICE BUILDING OF ENERGOINVEST	1000 m ²	1999	1,2.
EUROPEAN UNION	FACULTY OF SCIENCE AND MATHEMATICS, SARAJEVO	13000 m ²	1999	1,2,3,4.
PE PTT B&H	MAIN POST OFFICE IN SARAJEVO II, III AND IV PHASE OF WORKS	15000 m ²	1999	2,3,4.
PE ELEKTROPRIVREDA - ELEKTROPRENOS	SUBSTATION TS 110/10 (20)KV SARAJEVO 11 (STARI GRAD)	2000 m ²	2000	1,2,3,4.
FEDERAL MINISTRY OF AREA PLANNING AND ENVIRONMENT PIU HOUSING	RECONSTRUCTION OF HOUSING AT THE AREA OF MUNICIPALITY JAJCE - PERMANENT SOLUTION FOR USERS OF COLLECTIVE2000			6
FEDERAL MINISTRY OF AREA PLANNING AND ENVIRONMENT PIU HOUSING	RECONSTRUCTION OF HOUSING BUILDINGS MUNICIPALITY TRAVNIK		2000	6
MUNICIPALITY GORAŽDE 2000.	PRIMARY SCHOOL OSANICA	1500 m ²	2000	1.2.3.4.
UNITIC-SARAJEVO	BUSINESS CENTRE UNIS IN SARAJEVO	25000 m ²	2002-2003	6
SARAJEVO CANTON, MINISTRY FOR HOUSING AFFAIRS	HOUSING BUSINESS BUILDING IN EMERIK BLUM ST. IN SARAJEVO		2003	4
SARAJEVO CANTON, MINISTRY FOR HOUSING AFFAIRS	HOUSING BUSINESS BUILDING IN LJUBLJANSKA ST. IN SARAJEVO	450 m ²	2003.	1.2.3.4.
SARAJEVO CANTON, MINISTRY FOR HOUSING AFFAIRS	HOUSING BUSINESS BUILDING IN SLATINA ST. IN SARAJEVO	2000 m ²	2003	1.2.3.4.

INVESTOR	PROJECT NAME	CAPACITY	YEAR	ACTIVITY
SARAJEVO CANTON, MINISTRY FOR HOUSING AFFAIRS	HOUSING BUSINESS BUILDINGS IN STREETS DANIJELA OZME, TRG HEROJA, KEMALA KAPETANOVIĆA, HAMDJE ČEMERLIĆA, DAROVALACA KRVI	3000 m ²	2003	4
ELEMENTARY SCHOOL "ZAJKO DELIĆ" - SARAJEVO	ATTACHED BUILDING, CLASS ROOMS, LARGE ROOM OF SPORT	2800 m ²	2004	3
SARAJEVO CANTON COMMUNITY - ILIDŽA	MULTIMEDIA CENTER CINEMA "IGMAN"	600 m ²	2004	3
INSTITUTE OF FIRE - INSURANCE AND EXPLOSION	SANATION BUILDING INSTITUTE OF FIRE - INSURANCE AND EXPLOSION	1100 m ²	2004	3
HNK CANTON COMMUNITY - JABLANICA	BUSINESS BUILDING	250 m ²	2004	3
FACTORY OF BRICKS GP PUT - SARAJEVO	RECONSTRUCTION OLD FASHIONED AND BUILDING NEW OBJECTS	72000 m ²	2004	1.2.3.4.
FEDERAL MINISTRY OF COMMUNICATION AND TRANSPORT BIH	BORDER CROSSING RAČA		2004	6
BIHAMK - SARAJEVO	MAIN PROJECT DESIGN FOR SERVICE BUSINESS CENTER - ILIDŽA	2200 m ²	2004	1.2.3.
OHR	CHAMBER FOR WAR CRIMES AND REGISTER, SARAJEVO	7000 m ²	2004	1.2.3.
OHR	BUILDING UNITS OF ARREST "RAMIZ SALČIN"	1000 m ²	2004	4
SARAJEVO CANTON MINISTRY FOR HOUSING AFFAIRS	HOUSING BUSINESS BUILDING IN LOŽIONIČKA STREET, E. ŠEHOVIĆA STREET		2004	4
SARAJEVO CANTON MINISTRY FOR HOUSING AFFAIRS	HAMDJE ČEMERLIĆA ST. 33-37 DANIELA OZME ST.12		2004	4
FEDERAL MINISTRY OF COMMUNICATIONS	SUPERVISION OF WORKS AT BORDERS RAČA		2004	4
MUNICIPALITY ILIDŽA	PRELIMINARY DESIGN OF SINGLE CABIN LIFT	2.000 m ²	2004	3
PRIMARY SCHOOL „ZAJKO DELIĆ“	THE MAIN DESIGN OF HEIGHTENING OF CLASSROOMS AND GYM HALL	2.837 m ²	2005	3,4
MANAGEMENT OF ROADS SARAJEVO	SUPERVISION OF WORKS ON INTERIOR PLANNING OF BUSINESS BUILDING		2005	3,4
BH TELECOM	ATC BAŠČARŠIJA, ATC ALIPAŠINO POLJE	1.000 m ²	2005	3,4
ENERGOINVEST	RECONSTRUCTION AND SUPERVISION BUSINESS CENTER	25.000 m ²	2004-2007	3,4
THE HIGH JUDICIAL AND PROSECUTORIAL COUNCIL	MUNICIPAL AND CANTONAL COURTS SARAJEVO	17.000 m ²	2007	3,4

INDUSTRIAL STRUCTURES

The design and construction of various industrial complexes and plants represents a special activity of Ergoengineering in the field of Hydro Civil Construction and Architecture. These projects are carried out in cooperation with other divisions of Ergoengineering.

Having mastered various industrial technologies and processes in the field of Hydro Civil Construction and Architecture design,

Ergoengineering is among the most prominent organizations of this type. We prepare all types of design in the fields of Hydro Civil Construction and Architecture, and also design projects for water supply systems, sewerage system, and waste water treatment.

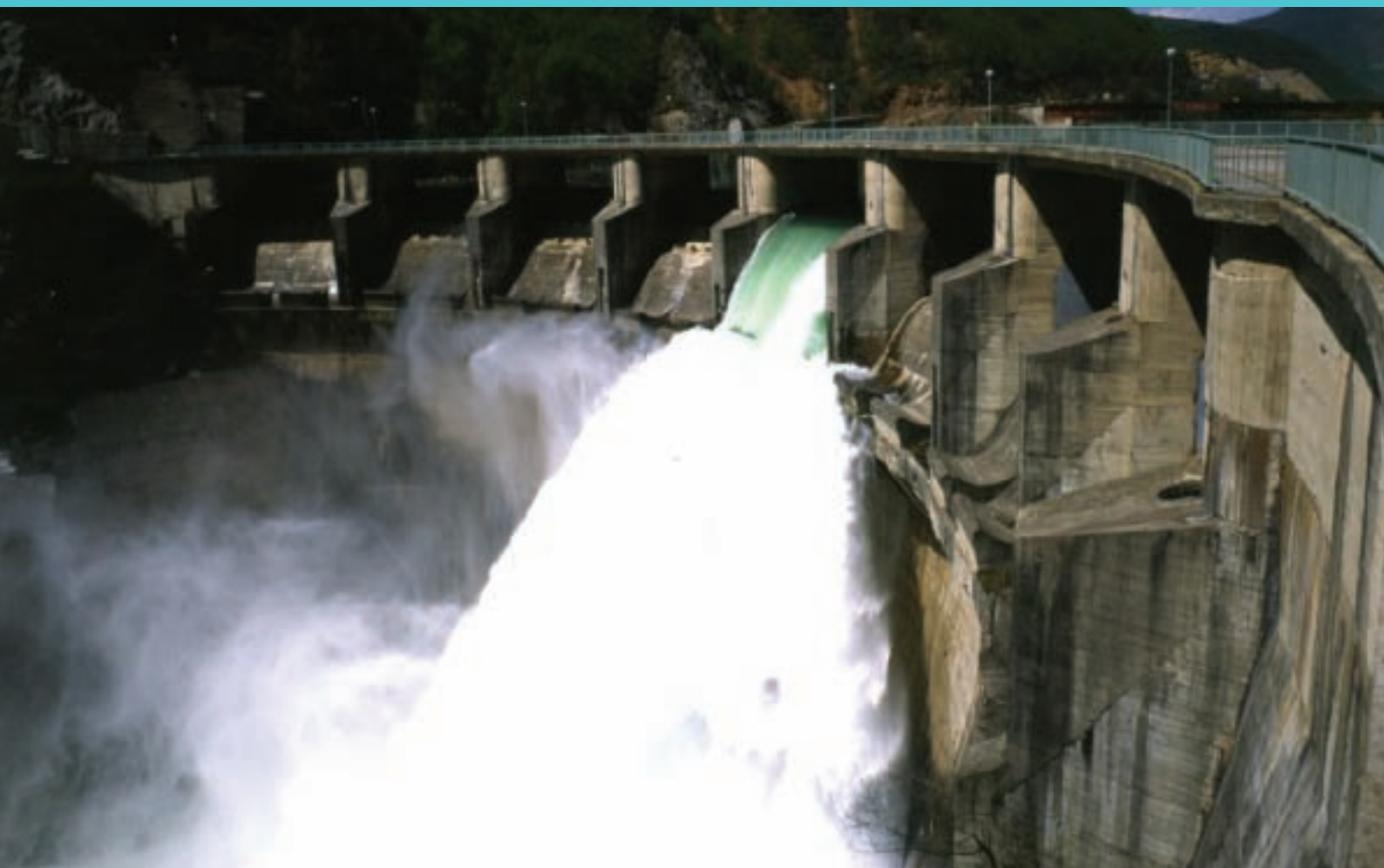
The enclosed review provides a more precise picture of our experience and capabilities.

INDUSTRIAL PLANTS

CLIENT	LOCATION AND PROJECT	AREA	YEAR	ACTIVITIES
RMK ZENICA B&H	ILJJAŠ-COMPRESSOR STATION		1955.	1.2.3.4.
ENERGOINVEST B&H	LUKAVICA - FACTORY OF ELECTROTECHNICAL PORCELAIN	1800 m ²	1974.	1.2.3.4.
	TEŠANJ - FACTORY OF SPARK AND CERAMICS		1971.	1.2.3.4.6.
	DOBOJ - FACTORY OF TRANSMISSION LINE TOWERS		1970.	1.2.3.4.
»ALUMINA« MACEDONIA AND B&H	SKOPJE ALUMINA		1973.	1.2.3.4.
	SKENDER VAKUF FACTORY OF ALUMINIUM PRODUCTS		1976.	1.2.3.4.
ENERGOINVEST B&H	VLASENICA - FACTORY OF ALUMINIUM EXTRUSIONS		1978.	1.2.3.4.
	ZVORNIK - ALUMINA FACTORY »BIRAČ«		1981.	1.2.3.4.
	STUP - TAT II		1980.	
	STUP - TAT II		1982.	1.2.3.4.
K.H.K. BORIS KIDRIČ B&H	LUKAVAC - IV COKE BATTERY		1972.	1.2.3.4.
RMK - ZENICA B&H	ŠEVARLIJE-QUARRY		1963.	1.2.3.4.
CITY - DOBOJ B&H	DOBOJ - SULPHURIC ACID FACTORY		1967.	1.2.3.
»CVETA DABIĆ« SERBIA&MONTENEGRO	UŽICE SPINNING MILL REPROCESSING	10000 m ²	1960.	1.2.3.
	ARILJE - TEXTILE FACTORY	4000 m ²	1960.	1.2.
	BAJINA BAŠTA TEXTILE FACTORY	4000 m ²	1960.	1.2.
	UŽIČKA POŽEGA TEXTILE FACTORY	4000 m ²	1960.	1.2.
RUDNICI »TITO« B&H	TUZLA - COKERY	8000000 t/y	1964.	1.2.

CLIENT	LOCATION AND PROJECT	CAPACITY	YEAR	ACTIVITY
»UPI« B&H	BIJELJINA SUGAR MILL		1965.	1.2.
RMK ZENICA B&H	ZENICA - EXTENSION OF ALL IRON FOUNDRY CAPACITIES	300000 m ²	1965.	1.2.
ENERGOINVEST B&H	MOSTAR - ALUMINIUM PLANT		1969.	1.2.
	STUP - ELECTRIC LOCOMOTIVE ASSEMBLY	5400 m ²	1960.	1.2.3.
	LUKAVICA - ELECTRIC MACHINES FACTORY	35000 m ²	1965.	1.2.3.4.
OHIS - SKOPJE MACEDONIA	SKOPJE »OHIS«	15000 m ²	1963.	1.2.3.4.
ENERGOINVEST B&H	BOSANSKI BROD OIL REFINERY	COMPLEX	1965.	1.2.3.4.
		50000 m ²		
	STUP - TAT	12000 m ²	1966.	1.2.3.4.
	STUP - TOOL FACTORY	4000 m ²	1965.	1.2.3.4.
	ALIPAŠIN MOST VALVES FACTORY AND FOUNDRY	4000	1966.	1.2.3.4.
	ALIPAŠIN MOST FACTORY OF GALVANIZED STEEL STRUCTURES	4500 m ²	1965.	1.2.3.4.
	ČRNUČE TRANSFORMER FACTORY	9600 m ²	1965.	1.2.
JAJCE - FACTORY OF PROCESS-EQUIPMENT	6000 m ²	1965.	1.2.3.4.	
RMK ZENICA B&H	ZENICA - COMPRESSOR PLANT		1967.	1.2.3.4.
RMK ZENICA B&H	ZENICA - IRON FOUNDRY		1969.	1.2.3.4.
APRO-HERCEGOVINA B&H	BUNA - GLASS HOUSES	100000 m ²	1965.	1.2.4.5.
K.H.K. BORIS KIDRIČ B&H	LUKAVAC - V COKE BATTERY	700.000 t/y	U/C	1.2.3.4.
MB - LUČANI SER&MON	LUČANI - KAPELA PROJECT		1988.	1.2.3.4.7.
CITY MARIBOR SLOVENIA	MARIBOR - GAS PLANT (EXT)		1966.	1.2.3.
CITY PULA CROATIA	PULA - GAS PLANT		1967.	1.2.3.
ENERGOINVEST B&H	KERALA-ELECTRIC MACHINES FACTORY INDIA	4000 m ²	1966.	1.2.
M.I.O. LIBYA	LYBIA - CHEMICAL COMPLEX	10 km ²	1984.	2.3.
ELPCO-LIBYA	TRIPOLI-TRANSFORMER AND ELECTRIC EQUIPMENT FACTORY		1987.	1.2.
ENERGOMEX-MEXICO	SIUDAD MEXICO ELECTRIC MACHINES FACTORY	4000 m ²	1969.	1.2.
ENERGOINVEST B&H	SARAJEVO »IRIS« FACTORY	5400 m ²	1988.	1.2.3.4.

CLIENT	LOCATION AND PROJECT	CAPACITY	YEAR	ACTIVITY
ENERGOINVEST SARAJEVO	ENERGOINVEST FACTORIES AT STUP, SARAJEVO	5000 m ²	1996	6
ENERGOINVEST SARAJEVO	FACTORY OF ELECTRICAL EQUIPMENT STUP, SARAJEVO	7500 m ²	1996	1
ENERGOINVEST SARAJEVO	OFFICE BUILDING ELOP, STUP, SARAJEVO	6000 m ²	1996	6
ENERGOINVEST SARAJEVO	ZEOLITE FACTORY SEYDISEHIR IN TURKEY	18000 m ²	1997	1.2.3.4.



HPP Jablanica 6x30MW



Hamdije Ćemerlića 2, 71000 Sarajevo, Bosnia and Herzegovina

Phone: (++) 387 33 703 640

Fax: (++) 387 33 618 174

E-mail: higra@energoinvest.com

www.energoinvest.com