



#### **INTRODUCTION**

SUSTAINABLE DEVELOPMENT, GROWTH AND PROFITABILITY



#### **A BRIEF HISTORY**

ENERGOPROJEKT WAS FOUNDED IN BELGRADE, SERBIA IN 1951
AS A STATE OWNED COMPANY AIMED TO PROVIDE DESIGNING
AND CONSULTING SERVICES WITHIN POWER GENERATION, WATER
MANAGEMENT AND IRRIGATION SECTOR



#### **ORGANISATION STRUCTURE**

SUBSIDIARIES IN SERBIA, FOREIGN COMPANIES, REPRESENTATIVE AND BRANCH OFFICES



#### **MAIN BUSINESS ACTIVITIES**

WIDE RANGE OF ACTIVITIES ORGANIZED TROUGH SPECIALIZED SUBSIDIARIES WITHIN THE GROUP



#### **MARKETS**

CURRENTLY ACTIVE IN MORE THAN 30 COUNTRIES ACROSS FOUR CONTINENTS ...



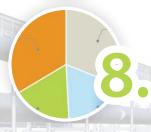
#### **KEY REFERENCES**

HYDRO POWER PLANTS, THERMAL POWER PLANTS, INDUSTRIAL PLANTS, ARCHITECTURE, INFRASTRUCTURE



#### KEY FINANCIAL DATA

PERMANENT GROWTH ...



#### OWNERSHIP STRUCTURE

**ENERGOPROJEKT IS A PUBLIC LIMITED COMPANY** 

## 1. INTRODUCTION CTION

Since 1951 when founded as a consulting company, Energoprojekt has grown into a complex business system, integrating 11 companies (9 of which are internationally active) with its headquarters in Serbia and 22 companies, representative and branch offices abroad.

Through a period of over 68 years it has developed a large spectrum of activities always offering the highest quality and standards, in the following fields:

energy generation, transmission and distribution, urban planning, architecture, building engineering and construction, infrastructure, water management and environmental protection, industry, information technologies.

In the course of its successful development into one of the leading world-wide companies in the fields of consulting and contracting activities, Energoprojekt has been engaged in implementation of various projects and facilities in over 70 countries so far, all over the world.

#### 1. INTRODUCTION

The name of Energoprojekt can be found on the lists of Top International Design Firms and International Contractors published every year by the renowned American magazine "Engineering News Record".

Projects successfully completed by Energoprojekt are the best reference for acquiring new jobs. As a reliable, efficient and highly committed partner with wide international experience easily adapted to various market requirements, Energoprojekt successfully cooperates with both domestic and foreign clients in realization of important investment projects.

## 1 INTRODUCTION SUSTAINABLE DEVELOPMENT, GROWTH AND PROFITABILITY

Energoprojekt is committed to attaining success and benefit for our customers, employees, shareholders and the communities we serve.



'Implementation through expertise' is the Energoprojekt's mantra and through this policy the firm achieves the highest levels of confidence and satisfaction of its clients, together with recommendations from them, both domestically and world-wide.

Aiming to contribute positively to the world's business environment, Energoprojekt will:

- Ensure sustainable development, growth and profitability
- Strengthen the company's reputation on all markets, by anticipating and fulfilling the requirements of its clients
- Uphold its integrity in all business activities
- Conduct its business relations in the spirit of cooperation and partnership
- Assure the realization of business endeavors in accordance with the planned performances, and
- Develop human resources and upgrade the work environment.

This decidedly constructive business contribution will enable the fulfillment of our mission with a high degree of success - in accordance with Energoprojekt's established tradition. The vision of Energoprojekt is to be one of the foremost international leaders in the fields of engineering, construction and project management, enabling investors, partners and clients to recognize us as an integral part of their own success, thus satisfying clients, employees and shareholders alike, and sharing in the responsibility towards society as a whole.

Since 2001, Energoprojekt stocks has been traded on Belgrade Stock Exchange. As of July 19, 2007, Energoprojekt was listed on the A List of Belgrade Stock Exchange.

# 2. A BRIEF HISTORY

Energoprojekt was founded in Belgrade, the capital of former SFRY, as state owned company aimed to provide designing and consulting services within hydro and thermal power generation and irrigation systems.

Over our long and successful history, Energoprojekt extended its fields of activity to include industrial plants, water management systems, public and residential complexes, telecommunication systems and data processing systems. Its structured expansion has resulted in the formation, under ENERGOPROJEKT GROUP, of nine diversified, internationally active and sophisticated companies covering the full range of contracting and consulting engineering activities.

ENERGOPROJEKT GROUP is presently operating in more then 30 countries around the world, with an average annual turnover of around EUR 270 million and contracts exceeding EUR 200 million.

With 68 years of operation, ENERGOPROJEKT GROUP has developed into an organization competent to undertake large and complex projects, ranging from studies and investigations, through design and supervision to construction and full scale implementation.

Today the ENERGOPROJEKT GROUP is the largest Serbian contractor for complex projects including construction management, full engineering and turn-key projects.







... a brief history

## 2. A BRIEF HISTORY ENERGOPROJEKT BECAME A WORLD-RENOWN COMPANY

The following is a brief summary of relevant projects designed or developed by the **ENERGOPROJEKT GROUP** of companies during the last 68 years in more than 70 countries all over the world:

- 50 hydro power plants of various types and capacities;
- 34 thermal power plants (oil, gas or lignite fired) of various types and capacities (with a unit capacity up to 600 MW);
- 15 industrial power plants;
- 20 heating plants and 34 district heating systems;
- Over 200 power transformation stations (voltage levels up to 400 kV);
- Several thousand kilometers of overhead transmission and cable lines (voltage levels up to 400 kV);
- Over 50 projects of rural electrification;
- · 50 water processing plants;
- · 40 complex land improvement systems;
- · Over 30 water management and river flood control projects;
- About 50 municipal and industrial water supply and sewage systems;
- **Multiple infrastructure projects** (underground facilities, tunnels, highways, regional roads, runways, railroads and metro stations);
- Over 1,300 complex projects in different industrial fields (oil and coal processing, ferrous and non-ferrous metallurgy, metalwork's, chemical and pharmaceutical industry, building materials, textile and leather, wood and paper, food etc.);
- 100 public buildings;
- 10 conference centers;
- 1,000,000 m<sup>2</sup> commercial premises, over 750,000 m<sup>2</sup> residential buildings, great number of hospitals, health centres, schools, administrative buildings, tourist and sport facilities;

Heating, cooling and air-conditioning installations for a/m projects;

Interior design and furnishing for a/m projects;

Information systems and technologies for a/m projects.

The ENERGOPROJEKT GROUP workforce of 2,100 represents its basic creative force. The renowned professionalism of its 800 fully qualified, skilled and experienced engineers and other highly specialized experts, enable the ENERGOPROJEKT GROUP to retain its position as one of the most prominent and trusted groups around the world.

#### **ENERGOPROJEKT GROUP**

#### **ENERGOPROJEKT HOLDING**

Subsidiaries in which **Energoprojekt Holding** has majority ownership

> **Energoprojekt** Hidroinženjering

Energoprojekt Urbanizam i arhitektura

> **Energoprojekt** Entel

Energoprojekt Industrija

**Energoprojekt** Visokogradnja

**Energoprojekt** Niskogradnja

**Energoprojekt** Oprema

**Energoprojekt Energodata** 

Energoprojekt Sunnyville

Energoprojekt Park 11

**Companies in which Companies from Energoprojekt Group** have significant ownership

**ENERGO-PET** 

**ENERGOPLAST** 

**ENJUB** 

**Fima SEE** Activist Plc. – in liquidation

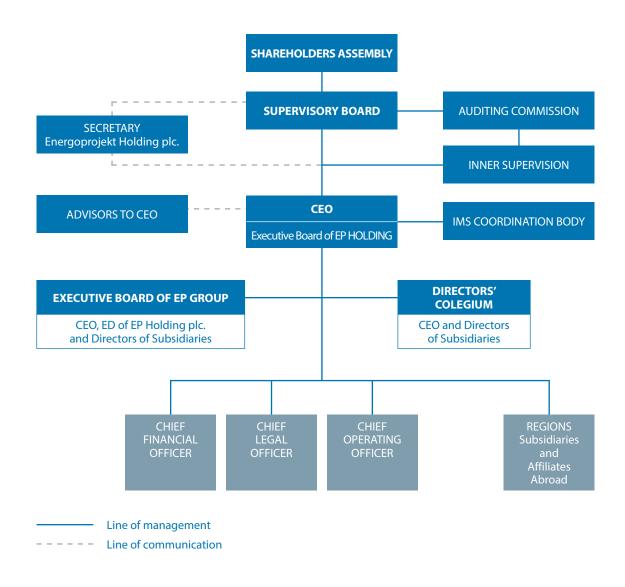
#### **COMPANIES, REPRESENTATIVE & BRANCH OFFICES IN THE WORLD**

- Trading
  Germany
  I.N.E.C. ENGINEERING COMPANY LIMITED
  United Kingdom
  ENERGOPROJEKT MONTENEGRO D.O.O.
  HERCEG NOVI
  Montenegro
  ENERGOPROJEKT ENERGODATA
  MONTENEGRO D.O.O. PODGORICA
  Montenegro
  D.O. ENERGOPROJEKT OPREMA CRNA
- D.O.O. ENERGOPROJEKT OPREMA CRNA GORA PODGORICA Montenegro OOO EPO BELGRADE Belarus
- ENERGO KAZ D.O.O. Kazakhstan
- ENERGOPROJEKT RUS D.O.O.
  Russia

- Energoprojekt ENTEL LLC Oman
- Energoprojekt Entel LTD (Office) Qatar
- ENERGOPROJEKT ENTEL Bahrein
- Nigeria

  ZAMBIA ENGINEERING AND CONTRACTING
  COMPANY LIMITED
  Zambia
- ENERGOPROJEKT ZAMBIJA LTD Zambia
- ENERGO (UGANDA) COMPANY LIMITED Uganda
- ENERGOPROJEKT HOLDING GUINEE S.A.
  Guinea
- ENERGO (PRIVATE) LIMITED Zimbabwe
- ENERGOPROJEKT GHANA LIMITED Ghana
- DOM 12 S.A.L. Lebanon

## 3. ORGANIZATION STRUCTURE ENERGOPROJEKT HOLDING-ORGANIZATION STRUCTURE



## 4. Main business activities

Energoprojekt developed it's business activities simultaneously with the development of basic activities which include: studies, analyses, research and development, consulting and engineering, designing various projects, executing all types of works, equipping and erecting facilities, starting up facilities and complete systems, including complete "turn-key" services.

As a reliable, efficient and creative partner, Energoprojekt combines an extensive understanding of specific technologies and local conditions with international operational experience. This gives a solid base for a comprehensive set of consultancy and engineering services to be provided to our clients.









...business activities

## 4 MAIN BUSINESS ACTIVITIES • ENERGOPROJEKT GROUP MAIN BUSINESS ACTIVITIES ARE AS FOLLOW:

| Name  | Services   | Field of Activity  |
|---|--|--|
| Energoprojekt<br>Holding                    | Corporate legal, finance, development, marketing and internal auditing services.                                 | <b>Subsidiaries:</b> 4 design companies (Hidroinzenjering, Urbanizam i arhitektura, Entel and Industrija) 3 construction companies (Visokogradnja, Niskogradnja and Oprema), Energodata, Sunnyville and Park 11  |
| Energoprojekt<br>Hidroinženjering           | Field investigation works, design,<br>consulting, engineering, development<br>and project management             | Energy: hydropower generation systems, facilities and plants.  Water management and environmental protection: water management and irrigation systems, water production and processing plants, water supply systems and sewage systems   |
| Energoprojekt<br>Urbanizam i<br>arhitektura | Design, consulting, engineering,<br>project development and project<br>management                                | <b>Buildings design:</b> public, administrative and commercial buildings, conference centers, hospitals and health centers, tourist and sport centers and facilities, residential buildings  |
| Energoprojekt<br>Entel                      | Design, consulting, strategic planning,<br>engineering, project development<br>and project management            | <b>Power:</b> Thermal power generation, power generation from renewable energy sources, power transmission and distribution, telecommunication facilities and systems <b>Water:</b> Water production and processing, water transmission and distribution   |
| Energoprojekt<br>Industrija                 | Design, consulting and engineering,<br>project development and project<br>management                             | <b>Industry:</b> industrial plants and facilities (chemical, petrochemical, pharmaceutical, tobacco, wood, food etc.), industrial power plants, industrial and thermal technologies, gas transport and handling  |
| Energoprojekt<br>Visokogradnja              | Engineering, construction, procure-<br>ment, delivery, erection of equipment<br>and installations, commissioning | <b>Building engineering and construction:</b> buildings (administrative, commercial and residential buildings, business and conference centers, hospitals and health centers, tourist and sports centers, industrial, thermal-energy and special purpose facilities)   |
| Energoprojekt<br>Niskogradnja               | Civil engineering construction works, engineering, procurement and erection of equipment, commissioning          | Energy: hydropower structures and plants Infrastructure and water management: dams, aqueducts, water tunnels, irrigation systems, water supply and sewage systems, highways and roads, railroads, bridges, tunnels, undergorund works, railroad and subway stations, communal infrastructure, industrial and hydro-mechanical equipment and plants |
| Energoprojekt<br>Oprema                     | Engineering, construction, equipment and plant procurement and installation, commissioning, project management   | Power: thermal power facilities and plants, transmission and distribution of electricity, hydropower plants  Water - environmental protection: potable and waste water processing, water and sewage systems,  Industry: industrial facilities and plants,  MEP instalations and control systems for various types of facilities                    |
| Energoprojekt<br>Energodata                 | Development, design, engineering, implementation, commissioning and maintenance                                  | Information technologies: multidisciplinary information systems, software and hardware solutions Graphic engineering, video production   |

## 5. MARKETS ETS

Currently, Energoprojekt is present and active in more than 30 countries across four continents. By generated revenues, apart from the local market, the most important markets are African countries (Nigeria, Uganda, Algeria, Ghana, Ethiopia, Zambia, Rwanda), Kazakhstan, Russia and Belarus, followed closely by Middle East countries (Qatar, UAE, Oman, Jordan) and South America (Peru).



### 5 MARKETS OUR CLIENTS TRADITIONALLY INCLUDE MINISTRIES, LOCAL GOVERNMENT AGENCIES...







...markets

#### Market position

- **Kazakhstan**, as a rapidly developing country thanks to its oil reserves, represents the most important market for Energoprojekt. In the projects performed by Niskogradnja, which are most commonly financed by the European or the World Bank, competitors are generally from the Western European and Islamic countries. Visokogradnja is delegated most of the projects on the merit of its reputation in Kazakhstan.
- On the Russian market, the main competitors are Russian companies and some well known companies from around the world.
- In Africa, depending on the country in which it does business, Energoprojekt faces different levels of competition. In Ethiopia, Energoprojekt receives projects carried out mostly in cooperation with reputable companies from France, England and USA. Algeria, which is a fast growing market, has a great concentration of highly reputable companies from France, UK, Germany, Canada, and USA in recent years. Somewhat lower level of competition is present in Uganda, Nigeria, and Ghana.
- The Middle East became very interesting market for the majority of internationally renowned companies, predominantly due to the significant capital investments in energy and infrastructure projects. In spite of this fact, Energoprojekt has continual expansion of the services in Qatar, United Arab Emirates and Oman, as the most promising markets.
- The market of South America (Peru), where Energoprojekt has been present for many years establishing a good reputation and solid references in the areas of civil engineering and hydro-engineering, is well defined despite the domination of companies from Western Europe (Spain, Italy) and from Brazil.
- **In South East Europe**, Energoprojekt is providing services mainly in the civil engineering and power generation sector for neighboring countries (Montenegro, Macedonia and Bosnia and Herzegovina)
- **Within Serbia**, Energoprojekt has become one of the key drivers of the Serbian economy and a growth generator in all core business areas, from architecture and civil engineering, building and infrastructure industry to power generation and transmission, water management and environmental protection.

## 6. ABSTRACT FROM REFERENCES

Since its foundation Energoprojekt has developed strong references in the fields of:

- \* **Energy** generation, transmission and distribution
- \* Infrastructure
- \* Water management environmental protection
- \* Building engineering and construction
- \* Industry
- \* Information technologies

As a reliable, efficient and creative partner, Energoprojekt combines an extensive understanding of specific technologies and local conditions with international operational experience. This gives a solid base for a comprehensive set of consultancy and engineering services to be provided to our clients.







## 6. ABSTRACT FROM REFERENCES SINCE ITS FOUNDATION ENERGOPROJEKT HAS DEVELOPED STRONG REFERENCES.

















...references

## 6. ENERGY LIST OF MAJOR PROJECTS (COMPLETED IN 2018 AND ON GOING)

|    | Project name  | Technical details  | Country                    | Client   | Services  | Project status /<br>Year of comple-<br>tion |
|----|---|--|----------------------------|--|---|---|
| 1  | Qatar-Power Transmission System<br>Expansion, Phases XI, XII and XIII   | Consultancy Services for Qatar Power<br>Transmission System Expansion —<br>Phases XI, XII and XIII projects covering<br>installation of new:<br>• Substations<br>• Cables<br>• Telecommunication system<br>• Substation Control System | Qatar                      | KAHRAMAA<br>(Qatar General Electricity and<br>Water Corporation) | Consultancy;  | On going                                    |
| 2  | Three 400/220KV Grid Stations<br>at Sohar IPP-3, Sohar FREE ZONE<br>and She Almakarm and associated<br>4000HL/cable   | Three grid stations: 400/220KV<br>400 kV OHL/cables  | Oman                       | OETC (Oman Electricity and<br>Transmission Company)              | Consultancy services for the construction;  | On going                                    |
| 3  | New Shakhbout City 132/11kV,<br>Ruwdat 132/11kV, Al Faya 132/33kV<br>substations and 132kV Cable/OHL<br>Works   | Substations: Shakhbout City 132/11kV,<br>Ruwdat 132/11kV, Al Faya 132/33kV<br>and 132kV Cable/OHL Works  | United<br>Arab<br>Emirates | TRANSCO (Abu Dhabi Transmission & Despatch Company)              | Consultancy;  | On going                                    |
| 4  | CS for Engineering and Site Supervision of Canal Gardens (CANLGRDN) & DUBAI JANOUB (DXBJANUB) 400/132kV Substations and Associated 400kV Overhead Line (OHL) Works PO | Two SS 400/132kV & associated TL 400kV   | United<br>Arab<br>Emirates | Dubai Electricity and Water<br>Authority (DEWA)                  | Consultancy;  | On going                                    |
| 5  | Dubai Shamal (DXBSHMAL) &<br>Shams (SHAMS) Substations, Dubai   | Two 400/132kV substations,<br>400kV series reactor station<br>and associated 400kV OHL   | United<br>Arab<br>Emirates | Dubai Electricity and Water<br>Authority (DEWA)                  | Consultancy;  | On going                                    |
| 6  | Double Circuit Transmission Line<br>330kV, Erukan - Omotosho, lot 1   | DC TL: 300kV<br>Length: 132km  | Nigeria                    | Power Holding Corporation of<br>Nigeria (PHCN)                   | Design; Construction; Procuremant;<br>Commissioning; on turn key basis;   | On going                                    |
| 7  | Modernization and revitalization<br>of the hydropower plant Piva and<br>hydropower plant Perućica - Phase II  | Hydro Power Plant Piva installed<br>capacity 3 x 120 MW and<br>concrete arch dam 220 m height;<br>Hydro Power Plant Perućica installed<br>capacity 307 MW  | Montene-<br>gro            | Elektroprivreda Crne Gore AD,<br>Nikšić                          | Consultancy;  | On going                                    |
| 8  | Revitalisation of hydro aggregates<br>and transformers No.1 on "Djerdap<br>1" HPP   | Installed capacity of hydro aggregates: 6 x 194 MW   | Serbia                     | JP EPS - Ogranak "HE Đerdap",<br>Kladovo                         | Preparation of Detailed design;<br>Supervision  | On going                                    |
| 9  | Coal mine Kolubara - A New Coal<br>Depot, packadge C2, Infrastructure   | Energy Eficiency by Ecological Coal<br>Quality Management; Infrastructural<br>buildings and plants for the new coal<br>depot in RB Kolubara, at surface min-<br>ing Tamnava - Zapadno polje  | Serbia                     | PU Electric Power Industry of<br>Serbia (EPS)                    | Equipment and material delivery<br>for the management of coal qulaity,<br>execution of civil, mechanical and<br>electrical works, takeover and start;<br>Package C2: Infrastructure;                          | On going                                    |
| 10 | Reactivation of TPP Kolubara B (350 MW) construction  | 350 MW   | Serbia                     | PU Electric Power Industry of<br>Serbia (EPS)                    | Consultancy services for the reactivation of TPP Kolubara B construction - equipment analysis, techno-economic analysis, Basic Design preparation, Bidding document preparation, Bid evaluation, Contracting; | On going                                    |
| 11 | Provision of design consultancy<br>services in connection with a waste<br>to energy plant in Belgrade   | Energy-from-Waste Plant, with waste treatment capacity of 340.000 t/a, power production capacity of 30 MWel and heat production capacity of 56,5 MWth  | Serbia                     | CNIM, France   | Design;   | On going                                    |
| 12 | Construction of new Unit B3 of TPP<br>Kostolac B (350 MW) including TS<br>Rudnik 5 110/6 kV and TL 110 kV   | TPP350MW<br>TS 110/6kV & TL 110kV  | Serbia                     | PU Electric Power Industry of<br>Serbia (EPS)                    | Consultancy services (under FIDIC) -<br>FIDIC Engineer Role;<br>Technical control of design;<br>Expert supervision of construction<br>works;  | On going                                    |
| 13 | CHP Pancevo: consulting services<br>for the construction of the new<br>CHP plant within the Oil Rafinery<br>Pančevo   | CHP Plant 160 MW   | Serbia                     | Shanghai Electric Group Europa                                   | Preparation of technical documentation & permiting consulting services;   | On going                                    |
| 14 | HPP Komarnica   | HP installed capacity of 168 MW  | Montene-<br>gro            | Electric Power Industry of<br>Montemegro, Niksic                 | Preparation of preliminary design with feasibility study and environmental impact assessment study  | On going                                    |
| 15 | Construction of electrical substation 110/33 kV, Gabiro   | SS 110/33 kV   | Rwanda                     | Energy Development Corporation<br>Limited (EDCL)                 | Construction;   | 2018  |
| 16 | Two double circuit transmission<br>lines 132kV, Afam-Trans Amadi;<br>Elenwo-Rukpokwu, Port Harcourt   | DCTL: 132kV<br>Length: 24+18km   | Nigeria                    | Talaveras Group of Companies                                     | Design; Project Management;<br>Construction; Procuremant; Com-<br>missioning; on turn key basis;  | 2018  |

### 6. ENERGY HYDRO POWER PLANTS

**Energoprojekt** has participated in the design, consulting, engineering, construction, equipping and putting into operation all major hydro power projects in almost all countries of the former Yugoslavia and in all continents except for Australia.

The total installed capacity of hydro power plants is over 10,000 MW.



| HDD Tokono |  |
|------------|--|

me HPP Tekeze Ethiopia

Description 4 x 75 MW
Dam on the Tekeze river, 185 m high

Client Ethiopian Electric Power Corporation



HPP Djerdap I Serbia

12 x 175 MW Dam on the Danube river, 55 m high

Electric Power Industry of Serbia



HPP Djerdap II Serbia

16 units of 27 MW Concrete dam on the Danube river, 32-35 m high

Electric Power Industry of Serbia



| Name        | HPP Bajina Bašta<br>Serbia   |
|-------------|--|
| Description | 348 MW<br>Concrete hollow gravity dam on Drina<br>river, 90 m high |
| Client      | Flectric Power Industry of Serbia                                  |



HPP Perućica, Montenegro 364 MW

Earth-fill dams on the Zeta river, h=11, 15, 16, 22 m

Electric Power Industry of Montenegro



HPP Mratinje Montenegro

360 MW Concrete arch dam on Piva river, 220 m high

Electric Power Industry of Montenegro



| Name        | HPP Kafue Gorge<br>Zambia                                   |
|-------------|---|
| Description | 900 MW<br>Earth-fill dam on the<br>Kafue river, height 50 m |
| Client      | Ministry of Electricity of Zambia                           |



| HPP Bayano<br>Panama                           |
|--|
| 300 MW<br>Concrete gravity dam,<br>height 44 m |
| Institute for Water Resources and Electricity  |



| HPP Bekhme<br>Iraq   |
|--|
| 1,590 MW<br>Earth-fill dam on the<br>Greater Zab, height 230 m |
| State Commission for Water Manage-<br>ment Projects of Iraq    |

### 6. ENERGY THERMAL POWER PLANTS AND FACILITIES; ENERGY TRANSMISSION AND DISTRIBUTION SYSTEMS

Since its establishment to date, **Energoprojekt** has participated in rendering consulting services, design, construction, equipping, putting in operation and personnel training of majority of thermal power plants and electric power facilities in Serbia, Montenegro and many other countries in Middle East and Africa. The total installed capacity of thermal power plants is over 20,000 MW, while the total length of long distance transmission lines is more than 10,000 km.



| 2 100 0 | TPP Nikola Tesla A, |
|---------|---------------------|
| ame     | Ohrenovac Serbia    |

Description

Description

Client

1,650.5 MW Thermal Power Plant

Client Electric Power Industry of Serbia



TPP Kostolac B2, Kostolac, Serbia

2 x 348.5 MW Thermal Power Plant

Electric Power Industry of Serbia



TPP Nikola Tesla B, Obrenovac, Serbia

Thermal Power Plant, 1,290 MW

Electric Power Industry of Serbia



#### Name Ras Abu Fontas (RAF) C, Qatar

CC with desalination Plant (GT-4x125 MW, ST-2x210 MW, MFE 4x30,000 m³ per day)

Ministry of Electricity and Water of Qatar



#### Musandam, Oman

Gas Fired Power Station 6x30 MW

Rural Areas Electricity Company (RAECO)



#### Jebel Ali Power and Desalination Plant, UAE

Station M – 400 kV s/s and associated 400 kV OHL 400 kV GIS 505 MVA 400/132 kV Transformers

Dubai Electricity and Water Authority (DEWA)



#### TPP "Kostolac B", Kostolac, Serbia

Rehabilitation of Unit B2 with the reconstruction of electrostatic precipitators (348,5MW)

Client Electric Power Industry of Serbia



#### TPP Nikola Tesla A1 and A4, Obrenovac, Serbia

220 MW and 308.5 MW Electrostatic Precipitator at Units 1 and 4

Electric Power Industry of Serbia



#### TPP Kolubara A, Lazarevac, Serbia

Ash Removal System

- 45 t/h of ash

- 3 km distance

Electric Power Industry of Serbia











**Qatar System for Electrical Energy Transmission and Distribution** Phases IV, VI - VII, VIII & IX, Qatar

Consultancy services for the transmission & distrtribution system

Over 120 SS of various voltage levels (33 kV - 400 kV), and several hundreds kilometers of O/H and cable lines

Client

Description

Kahramaa (Qatar General Electricity & Water Corporation)

#### TL (400 kV), Serbia

Construction of TL between SS Leskovac II and FYR Macedonia border

400 kV; 100 km long

Electric Power Industry of Serbia & Instalaciones Inabensa S.A.

#### **Two transformer substations Central** Area & Katampe, Abuja, Nigeria

Turn-key project for the construction of

2x60MVA, 132/33kV; 2x150MVA, 330/132kV & 2x60MVA, 132/33kV

NEPA (National Electric Power Authority)







TS Oke-Aro (Erukan), Lagos, Nigeria

Description

TS Oke-Aro (Erukan), SG 2x300MVA; 330/132 kV; 2x60MVA; 132/33kV,

Client

Niger Delta PHCN

#### Clinical Centre of Serbia, Niš Clinical Centre of Serbia, Belgrade,

Combined heat and power plant total capacity 32 MW, central monitoring system CMS (Niš); combined heat and power plant 1,8MWe & 1,8MWt, central monitoring system CMS (Belgrade).

Ministry of health of Serbia and Clinical Center of Serbia

#### District Heating Plant New Belgrade, Belgrade, Serbia

Reconstruction

Public Utility Co "Beogradske elektrane"

The total installed power of thermal power plants is over 20,000 MW



## 6. INFRASTRUCTURE LIST OF MAJOR PROJECTS (COMPLETED IN 2017 AND ON GOING)

|    | Project name   | Technical details  | Country | Client   | Services  | Project<br>status /<br>Year of<br>comple-<br>tion |
|----|--|--|---------|--|---|---|
| 1  | EPC Contract for design and execution of<br>part of the construction works for the PPP<br>project for construction, exploitation and<br>management od the Vinča waste dump<br>including production of energy from waste in<br>the waste processing plant | The new landfill has been designed according to the scheduling of waste disposal: Old landfill: 11.840.000 m², New landfill: 6.202.000 m³ (interim landfill: 722.000 m³, unprocessed: 4.010.000 m², landfill for residues after treatment: 1.470.000 m³) | Serbia  | Beo čista energija doo   | Design and execution of part of the construction works;   | On going  |
| 2  | Construction works within the project of highway E-763, Section V: Lajkovac-Ljig   | Construction of road (from km<br>53+139.91 to km 77+118.23) Length:<br>24 km   | Serbia  | Serbian Ministry of Construction /<br>China Shandong International<br>Economic & Technical Cooperation | Construction; Construction of 4 traffic lanes and 3 stopping lanes, 9 bridges, 6 overbridges, intersection "Ljig", tunnel "Branciici" comprised of 2 tunnel tubes, each 940 m long, and river flow regulation.;                                 | On going  |
| 3  | Construction of the tram-railway over the Ada bridge in Belgrade   | Construction of the 2,7 km new tram-<br>railway and reconstruction of a 1 km<br>existing tram-railway  | Serbia  | Belgrade City Government   | Works execution;  | On going  |
| 4  | Railway section "Straževica tunel (enter) -<br>Jajinci - Mala Krsna", on (Belgrade) Rakovica<br>- Railway Hub Ki - Jajinci - Mala Krsna<br>- Velika Plana railway and railway station<br>"Mala Krsna"  | Reconstruction of 58 km of railway<br>(from km 9+896 to km 67+800) and<br>reconstruction of the railway station<br>"Mala Krsna"  | Serbia  | Infrastrukture železnice Srbije,<br>Beograd  | Execution of construction and electric works;   | On going  |
| 5  | Highway E 763, Section IV, Ub - Lajkovac   | Road recontruction on 13 location, (from<br>km 40+645.28 do km 53+139), total<br>length 12,49 km   | Serbia  | China Shandong International<br>Economic & Technical   | Works execution;  | On going  |
| 6  | Regulation of river Peštan, Phase I, and construction of the road Baroševac-Medoševac-Vreoci   | Works execution on the river Peštan<br>regulation and construction of the road<br>Baroševac-Medoševac-Vreoci   | Serbia  | Public Enterprise Electric Power<br>Industry of Serbia (EPS), MB<br>Kolubara, Lazarevac                | Works execution;  | On going  |
| 7  | Reconstruction of Karađorđeve street and<br>Savski keja (promenade) near Karađorđeva<br>street   | Execution of works on the reconstruction of Karađorđeve street and Savski keja (promenade) near Karađorđeva street   | Serbia  | City of Belgrade, Secretariat of<br>Utilities and Housing Services                                     | Works execution;  | On going  |
| 8  | Buy-pass of motorway around city of Zrenjanin  | Construction of a part of buy-pass of<br>motorway aroung city of Zrenjanin,<br>4 km in length (from 4+915.11 to km 8<br>+600.84) including two circle crossroads<br>and bridge over Begej channel  | Serbia  | Public Enterprise "Roads of Serbia"  | Works execution;  | On going  |
| 9  | Denivelized crossing of railroad Belgrade-<br>Batajnica-Sid and Bulevar umetnosti in New<br>Belgrade   | Preparation of technical documentation<br>and work execution on the denivelized<br>crossing of railroad Belgrade-Batajnica-<br>Sid and Bulevar umetnosti in New<br>Belgrade  | Serbia  | City of Belgrade & Belgrade Land<br>Development Public Agency  | Preparation of technical documentation and work execution;  | On going  |
| 10 | Rehabilitation of concrete channels Via<br>Cieneguilla and Cola de Alacran   |  | Peru    | Municipalidad Provincial de<br>Sullana, Peru   | Works execution;  | On going  |
| 11 | Rehabilitation and reconstruction of a road section Puerto Bermudes - Ciudad Constitucion  | Lenght: 58 km,rehabilitation of the existing and construction of 3 new bridges   | Peru    | Provias Nacional del Ministerio de<br>Transporte y Comunicaciones                                      | Upgrading, expansion and asphalt paving of a 58km long road section and rehabilitation of the existing and construction of three new bridges;   | On going  |
| 12 | Preventive cleaning of the river-bed of<br>Chira river   | Cleaning of the river-bed, 17 km in lenght, protection of the river bank by stone 20.000 m <sup>3</sup>  | Peru    | MINAGRI Ministerio de Agricultura<br>y Riego   | Works execution; preventive cleaning of the Chira riverbed and formation of "Pilot" channels along riverbed 100 - 150 in width on 2 sections (from km25 to km 40 and from km 52+900 to km 53+670);  | On going  |
| 13 | Railway reconstruction of South Corridor Section 10, from Vranjska Banja to Ristovac   | Total section length: 17.7 km  | Serbia  | Serbian Railways JSC/<br>RZD International   | Works execution including the ground formation level, drainage objects constrution, platform and connecting roads construction and relocation and protection of cables and other objects;   | 2017  |
| 14 | Kolubara riverbed relocation and regulation, phase II, including the Peštan tributary and accompanying infrastructural facilities  | Riverbed relocation (2,6 km + 1,8 km), construction of a bridge, water intake, pumping station, 2,9 km technical water supply pipeline and 3,4 km access road  | Serbia  | Business Entity Mining Basin<br>"Kolubara" ltd   | Relocation and regulation of the Kolubara & Pestan riverbeds, construction of a bridge across two rivers, construction of a water intake, pumping station and technical water supply pipeline, construction of access road and work monitoring; | 2017  |
| 15 | Upgrading Mpigi-Kanoni road  | Lenght: 64 km  | Uganda  | Uganda National Roads Authority<br>(UNRA)  | Works execution; Road upgrading;  | 2017  |
| 16 | Execution of works on the reconstruction of ten city roads within districts of Kawempe and Lubanga   | Ten city roads in length of 15,5 km  | Uganda  | Kampala Capital City Authority   | Works execution; on the city roads reconstruction;  | 2017  |
| 17 | Construction of Approach Road to Radar<br>Center near City of Nakasangola  |  | Uganda  | Uganda National Roads Authority<br>(UNRA)  | Construction; Works execution;  | 2017  |









...infrastructure

## 6 INFRASTRUCTURE

Construction of infrastructural projects with the implementation of the most modern technology and equipment ranks among the most significant achievements of Energoprojekt's engineers:

- Underground facilities
- Tunnels
- Railway and metro stations
- Highways and regional roads
- Airports
- Waste management and pollution control









Description

Client

**Construction of Mirijevo Boulevard** with Appurtenant Infrastructure

Construction; commissioning; construction of the city street, with appurtenant infrastructure: reinforced-concrete revetment and sewerage (cross-sections: 300x210 cm and 400x18cm), gas & water supply pipeline, sanitary sewerage, storm water drainage & 110

Belgrade Land Development Public Agency, Serbia

One track railway bridge Belgrade, Serbia

Construction of one track railway bridge (188m), reconstruction of the railway underbridge and Jurija Gagarina street, New Belgrade

Belgrade Land Development Public Agency, Serbia

Belgrade bypass, section 5, Belgrade, Serbia

Construction of tunnel Straževica length 745m and flyovers

Public Enterprise "Roads of Serbia" and "Corridor 10", Serbia







Description

Client

Pionirski Park Underground Garage, Belgrade, Serbia

Underground garage with 460 parking places Total area: 13,818 m<sup>2</sup>

Belgrade City Hall Serbia

Road Mityana - Fort Portal, section Mityana - Mubende, Uganda

Road length 225 km Mityana - Mubende section Total length 86 km

Ministry of Transport and Communications, Uganda

Road Almaty-Akmola **Section Almaty-Guishad** 

Asphalted road length 166 km, 8 m width, with 2 m shoulders, totalling 12 m

Ministry of Transport and Communications of the Republic of Kazakhstan Kazahstan





One "Column" type and one "Pylon" type metro station Depth between 30 – 70 m; Construction of 3 tunnel tubes each (diameter 90 - 100 m<sup>2</sup>)

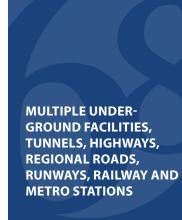
AO Almatimetrokurilis Kazahstan



#### "Vukov Spomenik" Belgrade, Serbia

Underground railway station Platform area: 2,500 m<sup>2</sup> at the depth of 40 m, oblique tunnels with 3 escalators, diameter: 7.5 m and length of 65 m angle: 30 degree

Belgrade Railway Traffic Co.



Name

Description

Client

## 6. WATER – ENVIRONMENTAL PROTECTION LIST OF MAJOR PROJECTS (COMPLETED IN 2018 AND ON GOING)

|    | Project name   | Technical details   | Country | Client  | Services   | Project sta-<br>tus / Year of<br>completion |
|----|--|---|---------|---|--|---|
| 1  | Irrigation System in San<br>Antonio, Huarango, Haen                                  |   | Peru    | Ministerio de Agricultura y Riego<br>(MINAGRI), Peru                                    | Works execution;   | On going                                    |
| 2  | Water security mega reservoirs project (1st phase)                                   | Project 1st phase includes: construction of 24 concrete reservoirs with total capacity of approx. 10 million m³ of water, 280 km (DN 1200-1600) corridor mains and 200 km (DN 900-1600) transmission pipeline | Qatar   | KAHRAMAA<br>(Qatar General Electricity and<br>Water Corporation)                        | Consultancy; Project Management;   | On going                                    |
| 3  | Pambukovica dam and irrigation system  | Embankments dam with clay core 30 m<br>height and 245 m dam crest length  | Serbia  | Public Water Management Company "Srbijavode" Belgrade                                   | Preparation of basic design and preliminary design with feasibility study;                                       | On going                                    |
| 4  | Kamenica dam and irrigation system   | Embankments dam with clay core 20 m<br>height and 424 m dam crest length  | Serbia  | Public Water Management Company "Srbijavode" Belgrade                                   | Preparation of basic design and preliminary design with feasibility study;                                       | On going                                    |
| 5  | Reconstruction of Flood<br>Protection System — Mačva                                 | Protection embankments, total length of 16 km   | Serbia  | Delegation of the European Union to the Republic of Serbia                              | Construction supervision;  | On going                                    |
| 6  | Water Distribution Networks<br>for Wilayat Bidbid in Al<br>Dhakliya Governorate      |   | 0man    | PAEW (Public Authority for<br>Electricity & Water)                                      | Consultancy Services for Construction Supervision;   | On going                                    |
| 7  | Wadi El Fedan Dam  | Embankments dam with central clay core, 25 m height and 302 m dam crest length  | Jordan  | Ministry of Water and Irrigation -<br>Jordan Valley Authority                           | Construction supervision;  | On going                                    |
| 8  | Kufranja Dam   | Concrete face rockfill dam (CFRD),<br>80 m height   | Jordan  | Ministry of Water and Irrigation -<br>Jordan Valley Authority                           | Supervision; Construction supervision;   | On going                                    |
| 9  | Beni Slimane Dam   | Embankments dam with central clay core, 66 m height   | Algeria | "ANBT<br>(National Agency for Dams and<br>Transfers)"                                   | Preparation of the detailed design, technical assistance and supervision over construction;;                     | On going                                    |
| 10 | Djedra Dam   | Concrete face rockfill dam (CFRD),<br>60 m height   | Algeria | ANBT<br>(National Agency for Dams and<br>Transfers)                                     | Design; Supervision; Preparation of the detailed design, technical assistance and supervision over construction; | On going                                    |
| 11 | Tarzout Dam  | Earth-fill dam, 60 m height   | Algeria | ANBT (National Agency for Dams and Transfers)   | Preliminary design and tender documentation for the construction ;   | On going                                    |
| 12 | Seklafa Dam  | Seklafa concrete dam (h=47m)  | Algeria | ANBT (National Agency for Dams and Transfers)   | Detalied design, technical assistance and construction supervision;  | On going                                    |
| 13 | Sidi Naceur Dam  | Rockfill Dam, 33,5 m height   | Algeria | ANBT (National Agency for Dams and Transfers)   | Preparation of final design and tender documents;  | On going                                    |
| 14 | Study of furnishing/securing<br>water resources for West,<br>Center and East regions | The project area covers surface of 300 000 km <sup>2</sup>  | Algeria | ANBT<br>(National Agency for Dams and<br>Transfers)                                     | Preparation of study   | On going                                    |
| 15 | Soubella Dam   | Embankments dam with central clay core, 67 m height   | Algeria | ANBT<br>(National Agency for Dams and<br>Transfers)                                     | Preparation of the detailed design, technical assistance and supervision over construction;                      | 2018  |
| 16 | "Tabeggart" Dam  | Earth-fill dam, 28 m height   | Algeria | ANBT<br>(National Agency for Dams and<br>Transfers)                                     | Preparation of the basic design and tender documentation;  | 2018  |
| 17 | Sanation of the Gazivode<br>Dam  | Embankments dam with clay core 107.5 m<br>height and 520 m dam crest length   | Serbia  | Public Enterprise for water supply, electical energy generation and distribution "lbar" | Detailed Design and Works execution on "Turn Key" basis;   | 2018  |









...water

#### WATER – ENVIRONMENTAL PROTECTION

In 67 years of business operations, Energoprojekt designed, contstructed and commissioned numerous projects including dams, irrigation and hydro melioration systems, water processing plants, water supply and sewage systems.





Chira - Piura Irrigation System, Phases I/II/III, Peru

Regulation of irrigation, clay-filled dam crest length 9.5 km Accumulation capacity 1,000x10<sup>6</sup> m<sup>3</sup>

Client

Description

Ministry of Agriculture, Peru



#### Jebel Ali Desalination and Power Plant, UAE

Station M – 400 kV s/s and associated 400 kV OHL 400 kV GIS 505 MVA 400/132 kV Transformers

**Dubai Electricity and Water Authority** (DEWA), UAE



#### Mokroluški Main Drain, Belgrade, Serbia

Reinforced concrete main drain for rainwater services Drainage: length - 800 m; 4 overflow structures; concrete diaphragm on both sides along the whole length of the 10.5 m deep canal

Belgrade Land Development Agency,



#### Pećina Potable Water Treatment Plant, Valjevo, Serbia

Description

Potable water treatment plant O = 600 J/s

Client

Water Supply System Kolubara, Rovni,



#### **Potable Water Treatment Plant, Limassol Cyprus**

Water Treatment Plant  $O = 3.500 \text{ m}^3/\text{h}$ 

City Council of Limassol, Cyprus



#### Dam Rovni, Serbia

Earth-fill dam, h=75 m, Accumulation area: 2.4 km<sup>2</sup>

Directorate for Water Supply and Sewage, Serbia

**40 COMPLEX LAND IMPROVEMENT SYSTEMS 50 WATER TREATMENT PLANTS OVER 30 WATER MANAGEMENT AND RIVER FLOOD CONTROL PROJECTS** 50 MUNICIPAL AND INDUSTRIAL WATER SUPPLY AND SEWAGE SYSTEMS

## 6. BUILDING ENGINEERING AND CONSTRUCTION LIST OF MAJOR PROJECTS (COMPLETED IN 2017 AND ON GOING)

|    | Project name   | Technical details  | Country                    | Client  | Services  | Project sta-<br>tus / Year of<br>completion |
|----|--|--|----------------------------|---|---|---|
| 1  | Chinese Cultural Center, Belgrade  | Area: 35.000 m²,<br>Floors: 2B+GF+7+1  | Serbia                     | EMPIRET d.o.o. Beograd  | Urban project; Design; Consultancy; Works execution;  | On going                                    |
| 2  | Belgrade Waterfront; plot 19.1, "Belgrade<br>Tower", Belgrade  | Hotel and residential tower, height 168;<br>Area: 65.815 m <sup>2</sup> ,<br>Floors: 2B+GF+40  | Serbia                     | Beograd na vodi d.o.o.  | Design & construction supervision consultancy services;   | On going                                    |
| 3  | Shopping Center "Ada Mall", Belgrade   | Area: 94.000 m <sup>2</sup> ,<br>Floors: 3B+GF+4   | Serbia                     | GTC Commercial<br>Developments d.o.o. Beograd   | Urban Project; Design & construction supervision consultancy services; Parts of the Design for Construction; Leasing documentation; Execution of MEP works; | On going                                    |
| 4  | Administrative building "Navigator Business<br>Center 2"   | Area: 50.000 m <sup>2</sup><br>Floors: 3 underground<br>levels+GF+7+setback  | Serbia                     | GP SEVEN d.o.o. Beograd   | Works execution;  | On going                                    |
| 5  | Park 11, design and construction of residential<br>and commercial building, Block 11a, New<br>Belgrade   | Area: 29.282 m <sup>2</sup> Floors: 2B+GF+8+setbackr no. of flats: 134   | Serbia                     | Energoprojekt Park 11 doo Beograd   | Urban Project; Design; Construction;  | On going                                    |
| 6  | Nikola Tesla Airport, Belgrade, Refurbishment and extension of the terminal building with ancillary facilities within the modernization planned by 2025. | Terminal building: Refurbishment and extension by 2020:41.200m <sup>2</sup> Planned extension by 2025: 28.000m <sup>2</sup> Heating plant 44 MW with three-generation plant Waste waters treatment plant: 855m <sup>3</sup> /day Solid waste treatment plant | Serbia                     | VINCI AIRPORTS SERBIA   | Design - the entire design documentation (all stages)   | on going                                    |
| 7  | Aneks of the SMATSA building with the Control Tower  | Anex of the building B+GF+3<br>New tower B+GF+16<br>Area: 7.400 m <sup>2</sup>   | Serbia                     | SMATSA Serbia and Montenegro Air Traffic<br>Services LLC  | Design; Preparation of design documentation and fisibility study;   | On going                                    |
| 8  | University Complex Narxoz, Almati  | Reconstruction and upgrade of the<br>University Complex Narxoz<br>Buildings area: 33.000m <sup>2</sup><br>External area: 19.000m <sup>2</sup>  | Kazakhstan                 | AO Univerzitet Narxoz / Verni Capital   | Design;   | On going                                    |
| 9  | Internacional conference center and hotel "Hyatt<br>Regency Rostov Don-Plaza" , Rostov on Don  | Total area: 64.000m <sup>2</sup><br>Floors: B+GF+ 5 to16   | Russia (Rus-<br>sian Fed.) | 000 MKC-RosEvroDevelopment I Agrokom<br>Holding   | Design - Modification of project documentation  | On going                                    |
| 10 | Internacional conference center and hotel<br>"Hyatt Regency Rostov Don-Plaza", Phase II,<br>Rostov on Don  | Total area: 64.000m <sup>2</sup><br>Floors: B+GF+ 5 to16   | Russia (Russian Fed.)      | 000 MKC-RosEvroDevelopment I Agrokom<br>Holding   | General contractor - structural, MEP & finishing works  | On going                                    |
| 11 | Hospital in the city of Siktivkar  | Reconstruction of the fospital building -<br>Department of radiology<br>Area: 5.000 m <sup>2</sup><br>Floors: GF+6   | Russia (Russian Fed.)      | State budget institution of the Komi<br>Republic / Inegrated Client Service of<br>Komi Republic | General contractor - structural, MEP & finishing works  | On going                                    |
| 12 | ANR National Assembley residences, Abuja   |  | Nigeria                    | Julius Berger PLC   | MEP Systems: desigm, project management, works execution, procuremenet, commissioning;  | On going                                    |
| 13 | ANI - Abuja National Institute for Legislative studies, Abuja  |  | Nigeria                    | Julius Berger PLC   | MEP Systems: design, project management, works execution, procurement, commissioning;   | On going                                    |
| 14 | Belgrade Waterfront, plot 21, two residential towers, Belgrade   | Total area: 76,785 m <sup>2</sup><br>Floors: 2B+GF+23+Tech   | Serbia                     | Belgrade Waterfront Ltd.<br>Belgrade  | Urban Project; Design (to the Building<br>Permit for the piles)   | 2018  |
| 15 | Construction of multi-modal facility, Free trade Zone Calabar  |  | Nigeria                    | Julius Berger FZE   | Turn-key;   | 2018  |
| 16 | Belgrade Waterfront, plot 14, admistrative<br>and residential building, two towers A & B,<br>Belgrade  | 20 floors  | Serbia                     | Belgrade Waterfront Ltd   | General contractor;   | 2018  |
| 17 | Design and construction of the residentrial and business complex Sunnyville, Belgrade  | Total gross area 24.593 m², landscaping area 8.560 m² Floors: 2B+GF+3+Attic  | Serbia                     | Energoprojekt Holding PLC Beograd   | Design; Supervision; Construction; Works execution;   | 2017  |
| 18 | Adaptation and reconstruction of business premisses in Banc Intesa Belgrade office buildings   | Total area: 13,538 m <sup>2</sup> Floors: GF+8   | Serbia                     | Banc Intesa PLC Belgrade, Serbia  | Design; adaptation & reconstruction   | 2017  |
| 19 | Residential appartments and Spa Center in "Talan Towers" (Ritz Carlton Hotel), Astana  | Appartments area: 10.500 m <sup>2</sup><br>Spa center area: 1.500 m <sup>2</sup>   | Kazakhstan                 | TOO Astana Property Management  | General Contractor for Fitout Works;  | 2017  |
| 20 | Office building Gazprom Transgas, Ukhta  | Total area: 27.000m <sup>2</sup>   | Russia (Rus-<br>sian Fed.) | 000 Gazprom Transgaz Uhta   | Subcontractor Execution of structural, finishing and MEP works;   | 2017  |
| 21 | Ecobank administrative building, Accra   | Total area: 30.300 m <sup>2</sup><br>Floors: B1+B2+GF+13   | Ghana                      | Ecobank Ghana Ltd   | Design; Supervision; General contractor - construction;   | 2017  |
| 22 | Administrative Complex (Greenwich Centre),<br>Tema   | Area: 13.500 m²,<br>Floors: B+ GF+ 4+1   | Ghana                      | OCTOGLOW GHANA Ltd.   | Design;   | 2017  |









...building

## 6. BUILDING ENGINEERING AND CONSTRUCTION

Energoprojekt has designed many architectural projects in Serbia and world wide. Our projects have always demonstrated the concept that architecture is a refined blend of science and art, respecting both form and function of design solutions.

Energoprojekt has designed, constructed and equipped many facilities, such as:

- Commercial / office-space buildings, public buildings
- Parliaments, residential buildings and villas
- Hospitals and health centers
- Banks

- Hotels, tourist complexes, sports complexes
- Airports, railroad stations and bus terminals
- Housing projects



| CHILL THE STATE OF |
|--|
|  |

White House, Presidential Palace, Tashkent, Uzbekistan

Description President palace Total area: 5,746 m<sup>2</sup>

Client Government of Uzbekistan





Office space Total area: 15,000 m<sup>2</sup>

Government of the Republic of Ghana



#### Ministry Complex, Kuwait

Government offices Total area: 270,000 m<sup>2</sup>

Government of Kuwait



| Name        | Hotel Caspian Riviere Grand Palac<br>Aktau, Kazakhstan |  |
|-------------|--|--|
| Description | Five star hotel<br>Total area: 25,000 m²               |  |
| Client      | TOO "Oil Real Estate"                                  |  |



Hotel Hyatt Regency, Belgrade, Serbia

Five star hotel Total area: 37,500 m<sup>2</sup>

BMP Consortium



#### Sheraton Hotel and Conference Centre, Harare, Zimbabwe

Five star hotel
Conference Centre: 30,145 m<sup>2</sup>
Hotel: 30,648 m<sup>2</sup>

Government of Zimbabwe



| Name        | Belgrade Arena,<br>Belgrade, Serbia   |
|-------------|---|
| Description | Universal sports hall<br>Total area: 48,000 m <sup>2</sup><br>Capacity: 20,000 spectators |
| Client      | City of Belgrade  |



#### Shah Alam Sports Complex, Kuala Lumpur, Malaysia

Sports complex Total area: 270,000 m<sup>2</sup> Capacity: 80,000 spectators

Government of Selangor State



#### Sports Complex Igalo, Montenegro

Sports complex Total area: 6,000 m<sup>2</sup> Capacity: 3,000 spectators

The municipality of Herceg Novi, SC Igalo

### **BUILDING ENGINEERING AND CONSTRUCTION**



Administration Building, Belgrade, Serbia

A class Administration Building in block 26, New Belgrade, Serbia Total area: 50.700 m<sup>2</sup>

Bluehouse Accession Property Holding



Bank Association of Uzbekistan, Tashkent, Uzbekistan

Total area: 15,000 m<sup>2</sup>

Bank Association of Uzbekistan



**Shopping Mall & Entertainment** Complex, Aktau, Kazakhstan

Commercial Complex Total area: 49,000 m<sup>2</sup>

TOO "Oil Real Estate"



**Exibition Space** Total area: 80,000 m<sup>2</sup> Complex area: 300 ha

Client

Description

Description

Client

International Trade Fair, Lagos, Nigeria

Government of Nigeria



YU Business Centre - Building G, Belgrade, Serbia

Residential / Office Space Total area: 27,500 m<sup>2</sup>

Energoprojekt



AL KHULAFA Office and Apartment Complex, Baghdad, Iraq

Residential and office space Total area: 86,000 m<sup>2</sup>

Baghdad City Council

Today, Energoprojekt's teams of architects, engineers and town planners are achieving considerable results in various fields of urban and regional planning, architecture, interior design and construction of projects such as complete engineering contracts on the turn-key basis.



## 6. INDUSTRY LIST OF MAJOR PROJECTS (COMPLETED IN 2017 AND ON GOING)

|    | Project name  | Technical details  | Country    | Client  | Services  | Project status / Year of completion |
|----|---|--|------------|---|---|-------------------------------------|
| 1  | Modernisation of the oil processing<br>complex in NIS Oil Refinery in<br>Pancevo - Construction of a new<br>deep oil processing plant and<br>delayed Coker Unit | The Delayed Coker Unit (S-5300, DCU);<br>Coke Transport System (S-5600, CHS) and<br>appurtenant plants/facilities are envisaged<br>for the DCU<br>2000 t / day of mixed feed<br>600 t / day petrol coke  | Serbia     | CB&I (Client NIS)   | Validation of all design; static calculations of concrete and steel structures, development of all designs of auxiliary structures; consulting services; checking and certification of designs of pipelines under pressure;             | On going                            |
| 2  | Project for Technical Renovation<br>of Serbia Steel Mill of HBIS Group<br>Serbia Iron&Steel Ltd   | 200.000 m <sup>3</sup> Blast Furnace Gas Holder<br>250 t /h - Heating Furnace<br>1.782 million t/g - Sintering machine   | Serbia     | HBIS GROUP Serbia Iron&Steel /<br>TSIC — China                              | Nostrification of design documen-<br>tation and preparation of static<br>calculation; supervision of works<br>execution;  | On going                            |
| 3  | Increase of alternative fuels consumption   | Increase of consumption of the alternative fuels 5 t/h, chlorine extraction and storage and its dosing to the cement mills by introduction of the following systems:  1. Alternative fuels dosing system to the satellite burner 2. Chlorine bypass system with the silo of capacity 2.000 m <sup>3</sup> 3. Chlorine dust dosing system into the cement mills | Serbia     | LAFARGE BFC   | Design, all stages  | On going                            |
| 4  | Factory for the production of farmaceutical products  | 1.000.000.000 tablets per year (solid forms);<br>1.000.000 l of syrups per year<br>5.000.000 l solutions for infusion per year total net area of 11.000 m <sup>2</sup>   | Ghana      | Ernest Chemist Ltd, Ghana   | Design; Consulting services for acquiring GMP certificate; Execution of GMP critical works; General contractor - construction;  | On going                            |
| 5  | Construction of the Pharmaceutical factory Liliam Pharmaceutical (1 a phase Cephalosporine), Khartoum   | Solid forms 12,8 mil. pack./year<br>Semisolid forms 0,76 mil. pack. / year<br>Cephalosporine 5,4 mil. pack. / year<br>Sterile liquids 3,15 mil. pack / year<br>14.950 m <sup>2</sup>   | Sudan      | Liliam Pharmaceutical Industries<br>Co.Ltd.                                 | Development of the detailed design, works execution and equipment installation, GMP qualification of critical systems and commissioning of the pharmaceutical factory with all the appurtenant technical systems on a "turn-key" basis; | On going                            |
| 6  | FEED for new crude oil storage<br>tanks at KM and Jaleha in Dukhan  |  | Qatar      | Qatar Petroleum   | Preparation of preliminary design and tender documentation;   | 2017                                |
| 7  | New fermenter facility within<br>Heineken brewery complex in<br>Zaječar.  | Fermenter capacity of 6 x 4000 hl  | Serbia     | Heineken Srbija d.o.o   | Development of design documentation and execution of works under "turnkey" contract   | 2016                                |
| 8  | Construction of the New Sulfhuric<br>Acid Plant at CMSC Bor   | PS convectors, conveyors, flash furnace gas<br>and pierce smith converters handling, WESP,<br>contact section, convertor, absorbing towers,<br>blower 4MW, preheater, heat exchangers,<br>strong acid building, blower and MCC building  | Serbia     | CMSC Bor,<br>SNC Lavalin  | Project Management; construction<br>works, partial delivery of equipment<br>and materilas, complete erection<br>of the mechanical and electrical<br>equipment and installations;  | 2015                                |
| 9  | Flash smelter at CMSC Bor -<br>construction   | Control Building, dryer, flash smelting furnace, WHB and ESP, cold water reservoir, pipe bridge and filter.  | Serbia     | CMSC Bor,<br>Outotec  | Design; Project Management;<br>Commissioning; procurement of<br>MEP equipment and systems and<br>execution of civil, electrical and<br>mechanical works;  | 2015                                |
| 10 | Medical products and chemicals production plant , Zorka Pharma, Sabac   | Area 1600 m <sup>2</sup>   | Serbia     | Zorka Pharma Hemija   | Detailed design and works execution at the revamping and extension of the plant;  | 2015                                |
| 11 | Ferrochrome slag crushing and sorting complex   | Capacity: 800.000 t/year   | Kazakhstan | AO TNK KAZHROM  | Detalied design, supervision of<br>works execution and process<br>equipment installation, equipment<br>proqurement, testing, commis-<br>sioning and personnel training;   | 2015                                |
| 12 | Four Compressor Stations on the route C of the Asian gas pipeline (Kazakhstan — China)  | 4 compressor stations: designed capacity HPA—(3+1)x30 MW Compressor stations are on the route C of the Asian gas pipeline Kazakhstan — China — expected max.production: 18,7 + 6,3 billion m³/year   | Kazakhstan | AGP/ Engineering and Procure-<br>ment Services LLP,                         | Design; Detail design;  | 2015                                |
| 13 | Two water recycling blocks at the Atyrau Oil Refinery   | Water Recycling Block №1: 2x4500 m³ /h of recirculated water Water Recycling Block №2: 1x 1000 m³ /h of recirculated water   | Kazakhstan | Oil Rafinery Atiray/ Engineering<br>and Procurement Services LLP,<br>Almaty | Design; Detalied design;  | 2015                                |









...industry

## 6. INDUSTRY

During 67 years, Energoprojekt has been successful in implementing a variety of large-scale, highlycomplicated and technologically complex industrial projects. We offer consulting services related to building construction, installation and start up, providing transfer of knowledge and state of the art technologies.

Energoprojekt has designed and/or constructed over 1,300 complex projects in different industrial fields such as:

- Food processing industry
- Pharmaceutical industry
- Basic and processing chemical industries
- Transportation and storage of oil and gas
- Wood processing, cellulose and paper production industries
- Metal-processing industry
- Ore and metal processing industries and transportation systems
- Non-metal and construction materials industries
- Tobacco processing and cigarette production industries
- Industrial power plants, heating plants and boiler plants
- Gas distribution

#### **INDUSTRIAL PLANTS AND FACILITIES**



Schlumberger Oilfield Services Facility, Aktau, Kazakhstan

Description

Construction 10,000 m<sup>2</sup>

Client

Schlumberger Logelco Inc.



Oilfield Services Base with Tanks, Pavlodar, Kazakhstan

Construction, tanks capacity 50,000 tons

TOO Helios



Paper factory, Siktivkar, Russia

Construction

Mondi SLPK



Name

BAT Tobacco Factory, Ibadan, Nigeria

Description

Tobacco manufacturing and cigarette production factory

Client

British American Tobacco (BAT)



Pharmaceutical Factory Tyumen, Russia

Pharmaceutical factory

 $Administration\ of\ Tyumen\ city$ 



Pharmaceutical Plant Hemofarm, Serbia

Pharmaceutical plant for sterile drugs in ampoules and in lyophilized form

Hemofarm, Vršac Serbia

## 6. INDUSTRY





Description Design and construction

Client TOO Caspian Food



Diary Laktaši, Banja Luka, Republika Srpska

Capacity 50,000 lit / day, Design and construction

Salford Group



Dairy industry, Belgrade "Imlek" Dairy, Serbia

Dairy with capacity of 500,000 l/daily

Imlek



Mineral Water Bottling Plant
Vrujici, Serbia

Description

Client

Water bottling plant

Si & Si Company, Subotica, Serbia



Detergent Factory Lab-Labs, Russian Federation

Detergent active components factory Capacity: 50,000 t and 60,000 t/year

Kirishinjeftorgsintez Russian Federation



Agricultural-Industrial Complex Kuban, Russian Federation

5 factories: dairy products factory, factory of conditor products, ice cream production factory, fruit & vegetable freezing factory, pack factory

AIK Kuban, Russian Federation

OVER 1,300 DESIGNED AND/OR CONSTRUCTED COMPLEX PROJECTS IN DIFFERENT INUDSTRIAL FIELDS

#### **INFORMATION TECHNOLOGIES**

Energodata is one of the pioneers in the field of information technologies in the region. For more than five decades Energodata has been involved in design, engineering and implementation of customized software and hardware solutions.

A long-term partnership with world leading software (CA Technologies, Oracle, Microsoft, SAP Business Objects, Novell, Imperva etc) and hardware manufacturers (Dell, Lenovo...), enables Energoprojekt to design, develop and implement IT solutions such as:

- Business Intelligence and Data Warehousing
- Project Management
- Security Management
- Service Management
- Infrastructure Management
- Backup and Recovery Management
- Software solutions for the large systems
- Software development for clients (IT outsourcing)
- Self-service banking solutions



| Name        | Postal solutions   |  |  |
|-------------|--|--|--|
| Description | Development, maintenance and<br>modernization of postal information<br>solutions |  |  |
| Client      | Post of Montenegro,<br>Post of the Republic of Srpska                            |  |  |



#### Financial analysis

Software solution OCRisc for the analysis of financial documents

Sberbank and Erste bank, Serbia



#### **Business Process Management**

Business Process Management using Document Management system and Business Intelligence tools

Partner Microcredit Foundation,



| Name        | Business Intelligence  |
|-------------|--|
| Description | Tabular and graphical representation of<br>business data through "revived" reports<br>through which the data is analyzed in<br>depth |
| Client      | Post of Montenegro, Partner Microcredit<br>Foundation Tuzla BiH, Energoprojekt Holding   |



#### Software solutions by customer's needs

Design, development and implementation of system and business software tailored to the specific needs of large and medium-sized business systems

Telenor, Telekom Srbija, EPS, DDOR



#### **ATM devices**

Sales, installation, maintenance and service of ATMs

Komercijalna banka, Credit Agricole, NLB Bank and Direktna banka, Serbia

## 7. KEY FINANCIAL DATA A N C E





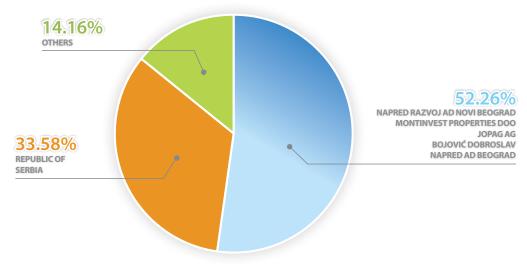
### ANNUAL CONTRACTED VALUE, 2013 - 2018



## 8. OWNERSHIP STRUCTURE

#### **OWNERSHIP STRUCTURE**

Energoprojekt Holding is a public limited company. Capital ownership is as follows:



Source: www.crhov.rs, May, 2019





www.energoprojekt.rs