

## 3. POWER PLANTS

### **TERMOENERGO INŽENJERING**

Bulevar Kralja Aleksandra 298 street  
11 000 Belgrade  
Serbia

Tel: +381 11 6557 717  
+381 11 3806 173

Fax: +381 11 3806 251

E-mail: [office@termoenergo.com](mailto:office@termoenergo.com)  
[www.termoenergo.com](http://www.termoenergo.com)



### **ŠEĆERANA “4 NOEMBRI” – BITOLJ**

- TECHNICAL DOCUMENTATION CONTROL FOR EXISTING POWER PLANT EXPANSION AND OUTSIDE INSTALATIONS



### **“OHIS “ – SKOPLJE**

- DETAILED MECHANICAL DESIGN OF EXISTING POWER PLANT EXPANSION

(existing boiler replacement by new boiler with capacity of 80 t/h superheated steam, pressure 64 bar, temperature 500°C)



### **MILAN BLAGOJEVIĆ LUČANI**

- DETAIL DESIGN OF PIPE RING GLAVNI PROJEKAT CEVNOG PRSTENA VISOKOG PRSTENA ZA POSTOJEĆU ENERGANU SA KOMPJUTERSKIM PRORAČUNOM DOZVOLJENIH NAPONA



## “NATRON” - MAGLAJ

- DETAIL DESIGN OF NEW PUMP STATION FOR BLOCK 1 OF EXISTING POWER PLANT
- DETAIL DESIGN OF CONDENSATE COLLECTION
- DETAIL DESIGN OF COMPRESSOR STATION



## NEOPLANTA – NOVI SAD (year 1995.)

- DETAILED DESIGN OF EXISTING POWER PLANT EXPANSION



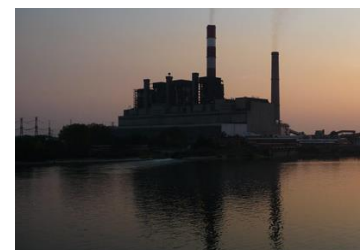
## MILL “BOROVO” – BOROVO

- DETAILED POWER PLANT DESIGN – ANALYSIS OF PIPELINE RECONSTRUCTION (pressure 12 bar and 13 bar)
- STUDY WITH BASIC DESIGN FOR STABILITY AND SAVING ENERGY FOR DP “PROIZVODNJA AUTO GUMA “ BOROVO
- PROGRAM FOR REHABILITATION OF ENERGETIC SYSTEM IN MILL “BOROVO”



## TE “NIKOLA TESLA” A - OBRENOVAC

- DETAIL DESIGN OF CONNECTING TENT A AND TS 380/220 KV
- DETAIL ELECTRICAL DESIGN OF RECONSTRUCTION FOR THE MEASUREMENTS AND SIGNALISATION FOR EXCAVATOR STATION FOR BLOCKS A1, A2 I A3



## **B.A.T. CIGARETTE FACTORY, IBADAN, NIGERIA**

- STEAM PLANT
- OIL SUPP FOR BOILERS & GENSET
- LPG INSTALLATION
- COMPRESSED AIR INSTALLATION
- VACUM INSTALLATION
- EXTERNAL PIPEWORK



## OIL INDUSTRY OF SERBIA – OIL REFINERY “PANČEVO”

- BASIC DESIGN OF POWER PLANT EXPANSION
- TENDER DOCUMENTATION FOR EQUIPMENT DELIVERY FOR POWER PLANT EXPANSION
- DETAILED DESIGN OF POWER PLANT EXPANSION BY BOILER WITH CAPACITY OF 110 t/h, PRESSURE 45,6 bar, TEMPERATURE 412°C AND BY TURBOGENERATOR (POWER 12MW)
- DETAILED DESIGN OF POWER PLANT EXPANSION (BOILER 1 AND BOILER 2)
- TENDER DOCUMENTATION FOR DELIVERY OF NEW BOILER WITH CAPACITY OF 120 t/h SUPERHEATED STEAM
- TENDER DOCUMENTATION FOR DELIVERY OF TURBOGENERATOR
- TECHNICAL ANALYSIS OF NEW BACKPRESSURE TURBOAGREGATE CHARACTERISTICS
- DETAILED DESIGNS FOR NEW TURBOAGREGATE T3 INSTALATION
- DETAILED DESIGNS FOR BOILER K2 (BF 9601) INSTALATION
- STUDY FOR CHOICE OF NEW TURBOAGREGATE CHARACTERISTICS IN THE OLD PART OF POWER PLANT
- POWER PLANT – MECHANICAL AS BUILT DESIGN OF THE BOILER BF-9602 AND CONCOMITANT EQUIPMENT



## BLACK METALLURGY CONCERN - “SARTID 1913”

- DOCUMENTATION NOSTRIFICATION FOR BOILER 220 t/h, SUPERHEATED STEAM FOR POWER PLANT No. 2
- DETAILED DESIGN PROJECT FOR RECONSTRUCTION OF AGLOMERATION UNIT
- TECHNICAL DOCUMENTATION – PRE INVESTMENT PROGRAM OF DISTRICT HEATING FOR SMEDEREVO FROM SMEDEREVO STEEL PLANT
- FEASIBILITY STUDY FOR DISTRICT HEATING FOR SMEDEREVO WITH HEAT FROM “SARTID - A1913”
- INDUCTION FURNACES - SYSTEM "GVOZDEN" - TECHNICAL REPORT ON TECHNOLOGICAL SOLUTIONS AND TECHNICAL CONTROL OF PROJECT DOCUMENTATIONS COOLING SYSTEM "GVOZDEN"
- DETAIL DESIGN OF THE COLLECTION OF WASTE HEAT
- RECONSTRUCTION OF PUMPING HEAT EXCHANGER STATION FOR HEATING PLANT SARTID – 1913 WITH POWER OF 100 MW AND CHECKING THE DISTRIBUTION NETWORK
- THE COLD ROLLING MILL
- THE CONCEPTUAL DESIGN OF THE COOLING SYSTEM KAUPER FURNACE





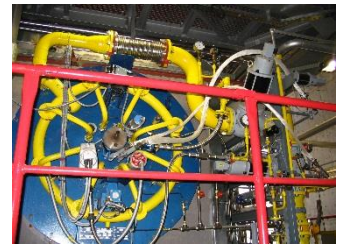
## THERMAL POWER PLANT KOSTOLAC B 2x350 MW

- DETAILED DESIGN OF ASH DISPOSAL SYSTEM
- TECHNICAL REVIEW OF TECHNOLOGICAL AND MECHANICAL DESIGN PROJECTS OF ASH DISPOSAL SYSTEM



## ICN GALENIKA d.d. - ZEMUN

- BASIC MECHANICAL DESIGN OF RECONSTRUCTION FOR CONDENSATE SYSTEM – ENERGY SAVE
- TECHNICAL REPORT ABOUT BOILER ROOM AND STEAM CONDENSATE SYSTEM
- BOILER ROOM –STUDY ABOUT RECONSTRUCTION OF EXISTING BOILER ROOM CONDITIONED BY BREAKDOWNS BOILER TPK BKG - 150
- STUDY FOR CONSTRUCTION OF BOILER CAPACITY 25 T/H OF STEAM
- DETAIL DESIGN OF RECONSTRUCTION FOR BOILER ROOM, INSTALLATION OF BOILER S - 2500 INSTEAD OF BREAKDOWN BOILER
- GENERAL DESIGN OF BOILER ROOM RECONSTRUCTION
- DETAIL DESIGN OF MEASUREMENT AND REGULATION FOR FEEDER TANK
- DETAIL DESIGN OF BOILER INSTALLATION S - 2500 (MANUF. NO. 237) FOR PHASE I OF BOILER ROOM
- ANALYSIS OF POSSIBILITIES OF SUPPLY BOILER ROOM WITH TOBACCO WATER
- DETAIL MECHANICAL DESIGN OF NEW PIPELINE AND GAS SPLITTER INSTALLATION
- STUDY FOR NEW PIPELINE AND GAS SPLITTER INSTALLATION MANUF. NO. 156/97



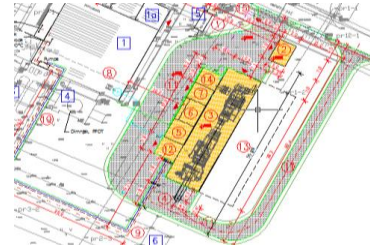
- DETAIL DESIGN OF BIOLER INSTALLATION NO. 2, S - 2500 OPTIMAL (MANUF. NO 214) FOR PHASE I OF BOILER ROOM
- DETAIL DESIGN OF BOILER INSTALLATION S - 2500 OPTIMAL (MANUF. NO 237) FOR PHASE I OF BOILER ROOM
- DETAIL MECHANICAL AND ELECTRICAL DESIG OF NEW LOADING STATION FOR OIL

## **NIS Novi Sad A.D. – OIL RAFINERY NOVI SAD**

- COGENERATION PLANT OF 1000 KWe AT OILFIELD SOS TURIJA
- COGENERATION PLANT OF 350 KWe AT OILFIELD SOS RUSANDA
- COGENERATION PLANT OF 400 KWe AT OILFIELD US BOKA
- COGENERATION PLANT OF 300 KWe AT OILFIELD SMS BRADARAC



- BASIC DESIGN FOR COGENERATION POWER PLANT WITH GAS TURBINE AND HEAT RECOVERY BOILER
  - NOMINAL ELECTRICAL POWER  $P_{el} = 7,9$  MWe
  - HEAT ENERGY  $Q_t = 14,5$  MWt
- BASIC DESIGN FOR COLLECTION AND RETURN OF CONDENSATE TO THE BOILER WITHIN THE COMPLEX NOVI SAD OIL REFINERY



## MINING AND SMELTING COMPLEX BOR

- PLANT UTILIZATION OF WASTE HEAT FROM TECHNOLOGICAL PROCESSES SMELTER AND SULFURIC ACID PLANT
- POWER PLANT CAPACITY 1,4 MWe
- PLANT FOR WATER TREATMENT CAPACITY OF 130 M<sup>3</sup> / H OF PROCESS WATER AND 10 M<sup>3</sup> / H BOILER FEED WATER

