

## 11. PETROCHEMICAL INDUSTRY

### **TERMOENERGO INŽENJERING**

Bulevar Kralja Aleksandra 298  
11 000 Beograd  
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)



### **NIS SRBIJA – OIL REFINERY “PANČEVO”**

- DETAILED DESIGN PLANT FOR STORAGE, PREPARATION AND DOSING ADDITIVES IN DIESEL FUEL
- HEATING OF SEDIMENTATION BASIN FOR HEAVY FRACTION STORAGE
- DETAILED DESIGN BUILT SYSTEM FOR SUPPLY, STORAGE AND IMPORT RAW MATERIAL IN SPLIT SECTION OF PLANT FOR PRODUCING AROMATIC MATERIALS IN S-3600
- DETAILED DESIGN OF RECONSTRUCTION SEAL OIL SYSTEM - VACUUM DISTILLATION S-2200
- DETAILED DESIGN OF CENTRAL CONTROL FOR TEMPERATURE REGULATION IN TANKS FARM
- DETAILED DESIGN OF POWER PLANT EXPANSION WITH STEAM BOILER CAPACITY 110t/h , PRESSURE 45,6 bar, TEMPERATURE 412 °C, AND BACK PRESSURE TURBINE WITH GENERATOR POWER 12MW



- DESIGN OF MEASURING AND CONTROL EQUIPMENT RECONSTRUCTION FOR MEASURING AND BALANSING OF ENERGY PRODUCTION AND CONSUMPTION IN RNP
- DETAILED DESIGN OF POLYMER BITUMEN PLANT S-0290
- DETAILED DESIGN OF COMPRESSOR HOUSE FOR HYDROGEN
- DESIGN OF WASTE GAS BURNING SYSTEM RECONSTRUCTION, FROM RAW MATERIAL TANKS FOR BITUMENA
- FCC –DESIGN OF OPERATING SYSTEM IN HDS PLANT
- LOW PRESSURE STEAM SYSTEM IN RNP-FLOW CALCULATE
- PLANT S-2700 FLARE BURNER PA-2701 – DETAILED DESIGN RECONSTRUCTION OF FLARE AND STEAM DISTRIBUTION TO PA-2701
- TANK FARM – DETAILED MECHANICAL DESIGN FOR RECONSTRUCTION OF BENZENE AND TOULENA SYSTEMS IN RAILWAY FILLING STATION
- DESIGN OF ANALYZER SYSTEM FOR MONITORING GAS EMISION FROM FLUE DUCT IN OIL REFINERY PANCEVO - DOCUMENTATION BASED ON CONTRACT WITH ABB
- DESIGN OF ANALYZER SYSTEM FOR PROCESS CONTROL ON PLANT BITUMEN,HDS AND FCC IN OIL REFINERY PANCEVO - DOCUMENTATION BASED ON CONTRACT WITH ABB
- DETAILED DESIGN OF MONITORING SYSTEM FOR STEAM BOILER BF 9602 – DOCUMENTATION BASED ON CONTRACT WITH FOXBORO
- DETAILED DESIGN OF COMPRESSOR HOUSE FOR INSTRUMENT AIR



- DETAILED DESIGN FOR INSTALLATION OF STEAM BOILER BF-9602 CAPACITY 120 t/h PARE, PRESSURE 45,6 bar AND TEMPERATURE 412°C
- DETAILED DESIGN OF LOW PRESSURE STEAM PIPES IN OIL REFINERY PANCEVO.
- DETAILED DESIGN FOR RECONSTRUCTION OF STEAM TRACING SYSTEM IN OIL REFINERY PANCEVO.
- DETAILED DESIGN FOR RECONSTRUCTION PIPES OF HIGH PRESSURE STEAM IN OIL REFINERY PANCEVO
- DETAILED DESIGN OF TRUCK FILLING STATION (PROJECT IS DESIGN FOR COMPANY ENERECO – ITALIJA)
- DETAILED DESIGN OF TANKER FILLING STATION (PROJECT IS DESIGN FOR COMPANY ENERECO – ITALIJA)
- DETAIL DESIGN HIGH PRESSURE STEAM CONNECTION PIPE BETWEEN OIL REFINERY AND PETROCHEMICAL IN PANCEVO
- DETAIL DESIGN OF RECONSTRUCTION AND SUPERSTRUCTURE TANK FB-9300 (VOLUME 1.000 m<sup>3</sup>) I FB-9320 (VOLUME 1.500 m<sup>3</sup>) FOR DEMINERALISED WATER.
- DETAIL MECHANICAL DESIGN OF TANK FB-0810 (VOLUME 6.750 m<sup>3</sup>) HEAVY SLOP.
- DETAIL MECHANICAL DESIGN FOR RECONSTRUCTION OF TANK FB-0707 FOR PYROLITIC BENZINE
- DETAIL MECHANICAL DESIGN FOR RECONSTRUCTION OF TANK FB-2001 (VOLUME 4.600 m<sup>3</sup>) FOR CATALYTIC BENZINE
- DETAIL MECHANICAL DESIGN OF RECONSTRUCTION TANK FB-0706 FOR BENZENE
- DETAIL MECHANICAL DESIGN OF TANK FB-0810 (VOLUME 10.000 m<sup>3</sup>) FOR HEAVY SLOP.



- - DETAIL MECHANICAL DESIGN OF TANK FB-0706 FOR ADDITIVES IN FUEL.

## NIS SRBIJA – OIL REFINERY NOVI SAD

- DETAIL DESIGN CONDENSATE RETURN FROM PLANT "ULJARA I"
- DETAIL MECHANICAL DESIGN FOR RESTITUTION TANK STORAGE FOR OIL PRODUCTS
- DETAIL DESIGN PLANT FOR ISOMERATION (PROJECT IS DESIGNING FOR FIRM PETROL INVEST – SARAJEVO)



## CHEMICAL INDUSTRY HIP - AZOTARA PANČEVO

- BASIC DESIGN FOR USING HEAT ENERGY
- DETAIL DESIGN BOILER AUTOMATION "BABCOCK & WILCOX "



## NIS SRBIJE – OIL REFINERY BEOGRAD

- DETAIL DESIGN RECONSTRUCTION ENERGY SYSTEM.
- DETAIL DESIGN FOR CONDENSATE RECOVERY AND RETURN FROM PLANT.



## CHEMICAL INDUSTRY HIP PETROHEMIJA – PANČEVO

- RECONSTRUCTION SYSTEM FOR IGNITION, MAINTENANCE AND CONTROL FLAME START-UP BURNERS IN POWER PLANT HIP PETROHEMIJA
- FUEL OIL STATION IN POWER PLANT
- DETAIL DESIGN RECONSTRUCTION ,RECOVERY, AND RETURNING CONDENSATE.
- DETAIL DESIGN FOR TRANSPORT MIXTURE PARAFFIN FLUENT SOLVENT AND USED COMPRESSOR OIL FROM COLLECT RESERVOIR IN PENG PLANT TO FUEL OIL HEADER PIPE.
- DETAIL DESIGN RECONSTRUCTION SYSTEM FOR DOSING CHEMICALS IN PLANT FOR PRIMARI FRACTION IN PLANT ETILEN

