

Recent Reference project list

- Detail design of the HP and Hot reheat Steam piping for 200MW unit 2 at Pocerady Power Plant. **Chemcomex a.s.**
- Technical and commercial assessment of the boiler retrofit project at Teplarna Ceske Budejovice. **Ernst & Young, s.r.o.**
- Detail Design of the DH system hot water piping VS-SL Guldenerova 24. **Plzeňská Teplárenská**
- Detail Design of the DH system hot water piping VS 19D Pod Chlumem 6. **Plzeňská Teplárenská**
- Thermal model, heat balances, correction curves and performance guarantees definition of the WTE Plant ZEVO Melnik. **Metrostav a.s.**
- Thermal model, heat balances, correction curves and performance guarantees definition of the WTE Plant ZEVO Melnik. **AFRY CZ**
- Heat Balances, performance guarantees of the WTE Plant SAKO Brno. Specification of the water steam cycle equipment, piping and valves, summer cooler. **Metrostav a.s.**
- Detail Design of the DH system hot water piping. **Plzeňská Teplárenská**
- Detail design of the contaminated steam condenser with integrated condensate sub cooler – Temelin Nuclear Power Plant - **G Team**
- Feasibility study – CFB boiler retrofit- fuel change K7 Teplarna Kladno – **První Brněnská Strojírna a.s.**
- Process Conceptual design of the combined cycle power plant – retrofit of UNIT 4 – utilization of existing steam turbine at Ledvice Power plant. **ČEZ a.s.**

- Detail design of high pressure headers PK2 PK5 and PK7 at 200MW units B6 and B5 at Počerady Power Plant. **SP Power**
- Detail design of the HP and Hot reheat Steam piping for 200MW unit 6 and unit 5 at Pocerady Power Plant. **Client SP Power.**
- Tender specification and owners engineer for retrofit of the 200MW unit PC Boiler (evaporator, PC piping, burners, economizer, DeNOx primary measures and SNCR, refractory, LUVVO) at Pocerady Power Plant. **Client 7 Engineering.**
- Combustion System & Boiler Performance optimization, troubleshooting and tuning 600MW PC Boiler Unit 6 Suralaya Power Plant Indonesia. **Client Indonesia Power.**
- Engineering supervision of the combustion system design (new burners, OFA) Low Nox project at Chvaletice power plant. **Client 7 Engineering.**
- Process Equipment Specification & Data Sheets of Safety valves incl Safety Valve List, Silencers incl Silencer List, Steam traps incl Steam trap list, Strainers incl Strainer list, Special piping Equipment STG by-pass stations, Orifices incl orifice list, Steam turbine exhaust steam attemperator) and Functional & Control Description for user manual and programming requirements of the water steam system for Tubli STP Expansion Phase 4 SIPT Bahrain. **Client EVN Umweltholding und Betriebs-GmbH, Austria**
- Assessment and troubleshooting of the coal grinding line and specification of the pulveriser retrofit to extend the life and improve operating performance for combustion of off-design coal at 400MW unit, Sularaya Power Plant, Indonesia. **Client Indonesia Power**
- Conceptual design for the 110MW CFB Boiler power plant Melnik II Czech republic. The scope includes new CFB boiler, retrofit of existing 110MW TG (conversion from

condensing to back pressure turbine), retrofit of existing FGD, coal and ash handling systems and plant BOP. **Client Metrostav Czech**

- Cooling System performance improvement at 110MW Tenayan PLTU, Indonesia
- Conceptual design of the replacement of existing 65MW steam Turbine at Opatovice Coal Fired Power plant, Czech Republic. **Client Siemens Czech**
- Technical assessment (3) coal fired steam power plants, Sofifi 2x3MW (Maluku, Indonesia), Jayapura 2x15MW (Papua, Indonesia) and Timika 4x7MW (Papua, Indonesia). **Client Worley Parsons Indonesia**
- Assessment of the Unit Design and Performance Test evaluation, Low NOx and SOx study for the 685MW supercritical unit operated by GMR Chhattisgarh Energy Pvt. Ltd. Raikheda, Tilda block, Raipur district, Chhattisgarh, India. **Client Worley Parsons Singapore**
- Technical due diligence of the South Sumatera 2 x 150 MW Sumsel 5A power plant and the 150 MW Perawang TG25 power plant, both located in Sumatera, Indonesia. **Client Worley Parsons Indonesia**
- Feasibility Study - Utilization of Geothermal Energy Bogatic, Serbia.
- Thermal balance calculation, cycle optimization – Phai Lai 4 x 110MW Reconstruction, Vietnam. **Client AF Consult Czech**
- Technical Assessment - Refractory damage of the 580 t/h CFB Boiler at the 2 x 150MW Sumsel 5 Mine Mouth CFPP located in Bayung Lencir, Musi Banyuasin Regency in South Sumatra, Indonesia. **Client DSSP Power Indonesia**
- Conceptual Study – 40MW extension of the Gunung Megang combined cycle power plant, located at Gunung Megang Regency, Muara Enim, South Sumatera – Indonesia.
- Detail design of the combustion air piping - Burner Testing Facility VUT Brno

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Incorporated: Trade Register, maintained by the Regional Court in Brno, section C, insert 89638

Company ID: 04390474
Tax ID: CZ 04390474

- Conceptual Study - Waste Heat Recovery Unit for Binani Cement plant in Fujairah, UAE
- Basic Design 64 MW Solar Power Plant project Nevada Solar One, Boulder City, NV, USA
- Detail Design Nevada Solar One Extension, Boulder City, NV, USA
- Detail Design 1 MW Saguaro Solar Power Plant, AZ, USA
- Basic Design 50 MW Solar Trough Power Plant Project Alvarado, Badajoz, Spain
- Basic Design 50 MW Solar Trough Power Plant Project Majadas, Caceres, Spain
- Basic Design 50 MW Solar Trough Power Plant Project, Palma del Rio II, Cordoba, Spain
- Basic Design 101 MW Solar Power Plant Project NS2, Boulder City, NV, USA
- Basic Design 25 MW Solar & Biomass Hybrid Power Plant Project, Navarra, Spain
- Conceptual Design 96 MW Solar Trough Power Plant Project Pecos Solar Ranch One, Reeves County, TX, USA
- Detail Design 2.5 MWth Testing Loop
- Conceptual Study Simple Cycle 50 MW Peaking Power Plant Project, Czech republic
- Conceptual Design 60.5 MWe Biomass fired Greenway Renewable Power plant Project, La Grande, GA, USA
- Detail Design Upgrade of dry cooling system for the Dapp Biomass Power Plant, Alberta, Canada
- Basic Design 60.5 MWe Biomass fired Piedmont Green Power station Project, Barnesville, GA, USA
- Conceptual Design Natural gas to biomass conversion power plant project, 35 MWe Onondaga, NY, USA
- Study 7 MWe biomass CHP Plant, Brinje, Croatia
- Conceptual Design 25 MWe Biomass fired power plant Project, Alberta, Canada

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- Conceptual Design Municipal solid waste to Energy CHP plant, 15 MWe, Valmez, Czech republic
- Conceptual Design Municipal Waste to Energy power plant, 30 MWe, WTE Cadiz Spain
- Conceptual Design 50 MWe Solar Trough Power Plant Project Goraj India
- Conceptual Design 200 Mwe Solar Trough Power Plant Project Lilyvale, Australia
- Conceptual Design 80 MWe Solar Trough Power Plant Project El Paso, TX, USA
- Conceptual Design 96 MW Solar Trough Power Plant Project Pecos Solar Ranch One, Reeves County, TX, USA
- Conceptual Design 100 MWe Solar Trough Power Plant Project Monahans, TX, USA
- Conceptual Design 160 MWe Solar Trough Power Plant Project Laguna, NM, USA
- Conceptual Design 176 MWe Solar Trough Power Plant Project Xcel Energy Solar Plant, CO, USA
- Conceptual Design 240 MWe Solar Trough Power Plant Project Cobre Sol, AZ, USA
- Conceptual Design 30 MWe Solar and Biomass power plant project, Tudela Spain
- Conceptual Design Integration of the Solar Power plant with existing 600 MWe conventional power plant
- Conceptual Design Integration of the solar power plant with existing 500 MWe combined cycle power plant, Sacramento Municipal Utility District
- Analysis of parasitic loads for parabolic through solar power plant
- Process model of integration of solar through power plant with conventional fossil fuel power plant
- Study Solar energy storage System
- Study Prediction of thermal energy loses of the solar field

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- Optimization of the solar power plant cooling – consideration of wet, dry and hybrid cooling concepts

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