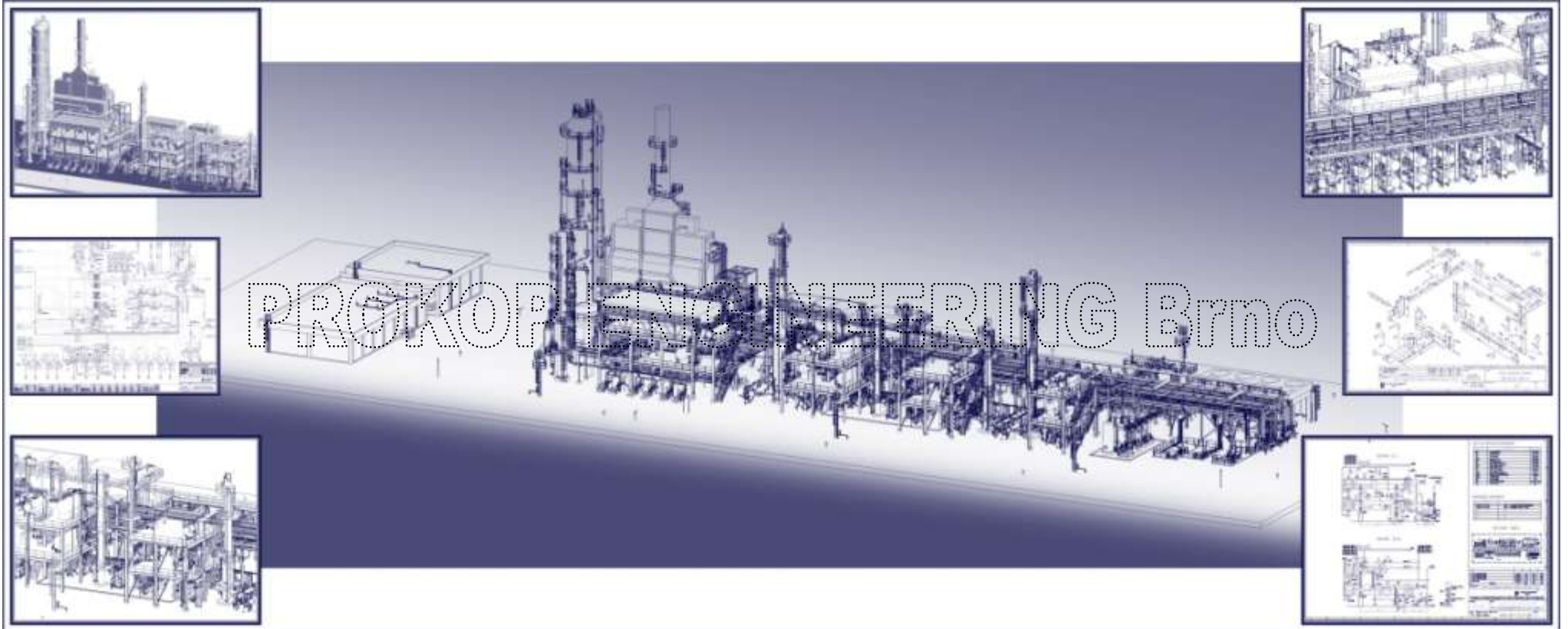


PE *PROKOP ENGINEERING*[®]
BRNO



PROKOP ENGINEERING Brno

More about our Products and Services



E/P/C Contractor for :

- Crude Oil Processing Projects

- Gas Processing Projects



Engineering / Procurement / Construction - **LUMP SUM TURN-KEY** Projects

or

Project Management, Engineering, Services, Procurement Services, Construction Management Services
as convenient to particular Client



Typical elements of PROKOP ENG. scope of works and usual types of projects:

- LSTK Processing Complexes including Utility Systems
- Alternatively: Project Management, Engineering Services, Procurement Services, Construction Management Services, etc.

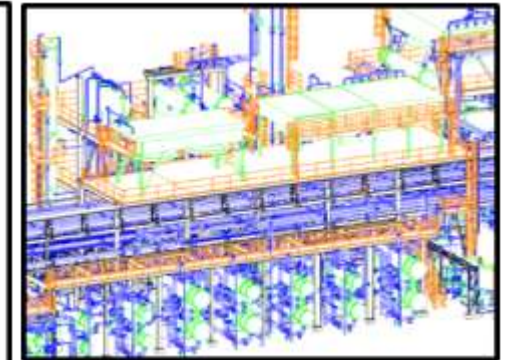
Assistance to Start-up of Units



- LSTK Process Units
- Revamping and Upgrading of existing Process Plants and Units

Project Management, Engineering, Procurement and Construction, Management Tools

- **PROJECT MANAGEMENT**
 - Blue Ciello Teamwork
 - Microsoft Project
- **PROCESS ENGINEERING**
 - Aspen HYSYS
- **MULTIDISCIPLINARY and PIPING & MECHANICAL ENGINEERING, 2-D, 3-D DESIGNING and MODELS**
 - PDMS, AutoCAD
 - Cumulative piping elements counting database system MS Access, MS Excel
- **INSTRUMENTATION & CONTROL, ELECTRICAL**
 - INTTools, AutoCAD, MS Word, MS Excel



SOME OF RECENT REFERENCES - 1

- **Middistillates Hydrogendesulfurization Complex - Paramo, Czech Republic**

Main Contractor - PROKOP ENGINEERING

LSTK from Feasibility Study through Basic Design, Detail Design, Procurement and Supply, Construction, Start-up and Commissioning and Operation and parallel Training of Operators for 3 months after Start-up



Production of Ultra Low Sulfur

Diesel - 10 ppm

Capacity – 250 000 tons/year,
increased via small revamp by 30% 3 years after
initial startup

Hydrogen Unit

Capacity – 1 560 Nm³/hr,

Natural Gas Steam Reforming

based on licence from KTI Rome

Part of Middistillates Hydrogendesulfurization Complex

Sulfur Recovery Unit

Capacity - 400 kg/hr

Efficiency - 99,9%

Claus Process & RAR Tail Gas

Clean-up

Licensed by KTI Milano

SOME OF RECENT REFERENCES - 2

- **DCH / HYLUBE Process Plant - Egypt**

Main Contractor - Joint Venture TECHNOEXPORT / PROKOP ENGINEERING (LSTK)



***Processing of waste oils
to produce 1st quality base oils***

Capacity – 25 000 tons/year,

Based on UOP license and Basic Design

1st commercial installation of this
technology worldwide



SOME OF RECENT REFERENCES - 3

- **HYLUBE Process Plant** – Puralube Zeitz, Germany

PROKOP ENGINEERING SoW (LSTK Heaters Package), Detailed Engineering of the Plant



***Processing of waste oils
to produce 1st quality base oils***

Capacity – 80 000 tons/year,

Based on UOP license and Basic Design

Supply and installation Heaters Package

Detailed engineering of the Plant by PROKOP



SOME OF RECENT REFERENCES - 4

- **Revamp of Atmospheric (CDU) and Vacuum (VDU) Distillation Units** – Baniyas Refinery, Syria

Main Contractor - TECHNOEXPORT Prague / PROKOP ENGINEERING



***Overall huge revamp and upgrade of
30 years old Crude and Vacuum Distillation Units***

Capacity of CDU – 6 000 000 tons/year

Capacity of VDU – 3 000 000 tons/year



SOME OF RECENT REFERENCES - 5

- **Fluid Catalytic Cracking** - Czech Refining Co. (Česká rafinérská), Czech Republic
ISBL Project (incl. Elevated Flare, Cooling Towers etc.)



PROKOP ENGINEERING acting as nominated subcontractor to Main Contractor Fluor Daniel B.V.

PROKOP ENGINEERING

- Specified Process Units and Systems
- Complete Civil & Architectural
- Complete Authority Engineering and design verification



SOME OF RECENT REFERENCES - 6

- **Crude Distillation Unit 1** (Capacity 70 000 BPSD, Commissioning 2009) – Midland Refineries Co., Daura Refinery, Iraq
Main Contractor - PROKOP ENGINEERING / TECHNOEXPORT



SOME OF RECENT REFERENCES - 7

- **Crude Distillation Unit 2** (Capacity 70 000 BPSD, Commissioning 2010) – Midland Refineries Co., Daura Refinery, Iraq
Main Contractor - PROKOP ENGINEERING / TECHNOEXPORT



SOME OF RECENT REFERENCES - 8

- **Crude Distillation Unit + LPG Unit** (Capacity 70 000 BPSD) – South Refineries Co., Basrah Refinery, Iraq
Main Contractor - PROKOP ENGINEERING / TECHNOEXPORT





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C O N T A C T U S

