

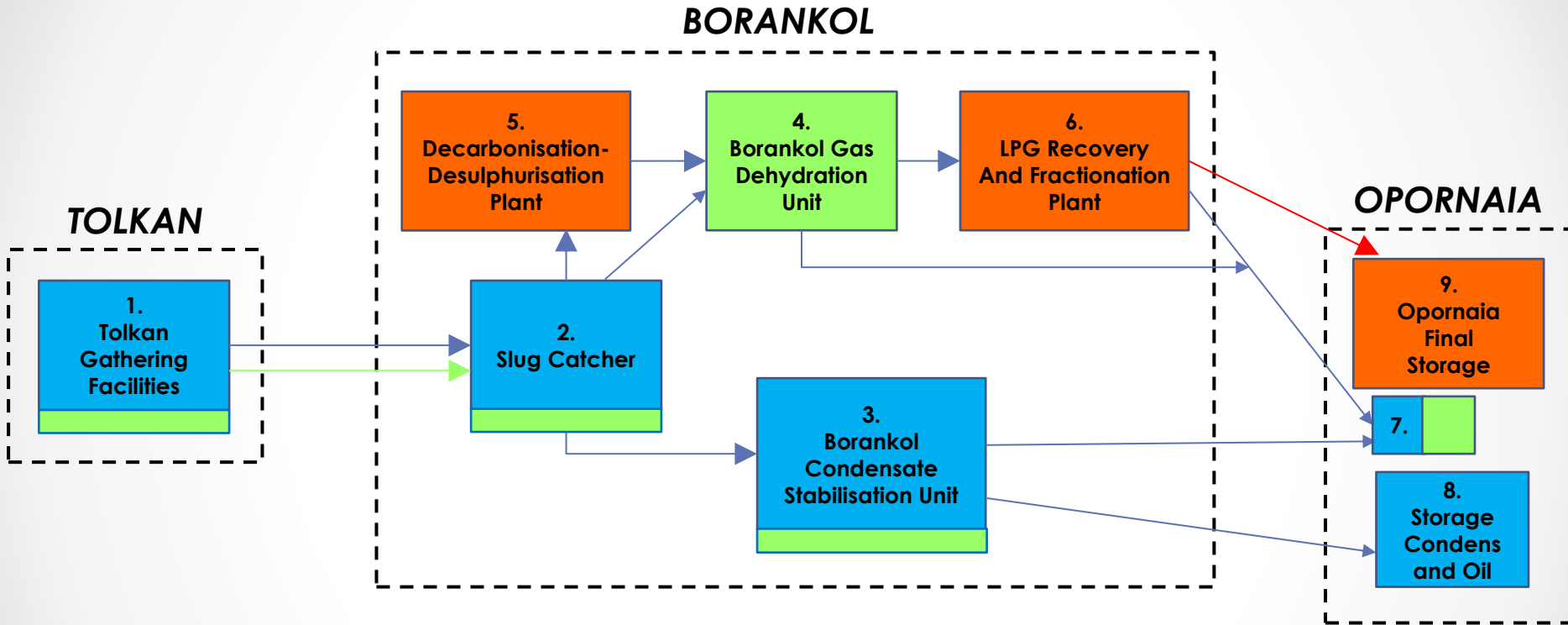


WORKS PERFORMED IN KAZAKHSTAN

Gas Treatment Plant - Borankol

Gas Treatment Plant - Borankol

BLOCK DIAGRAM



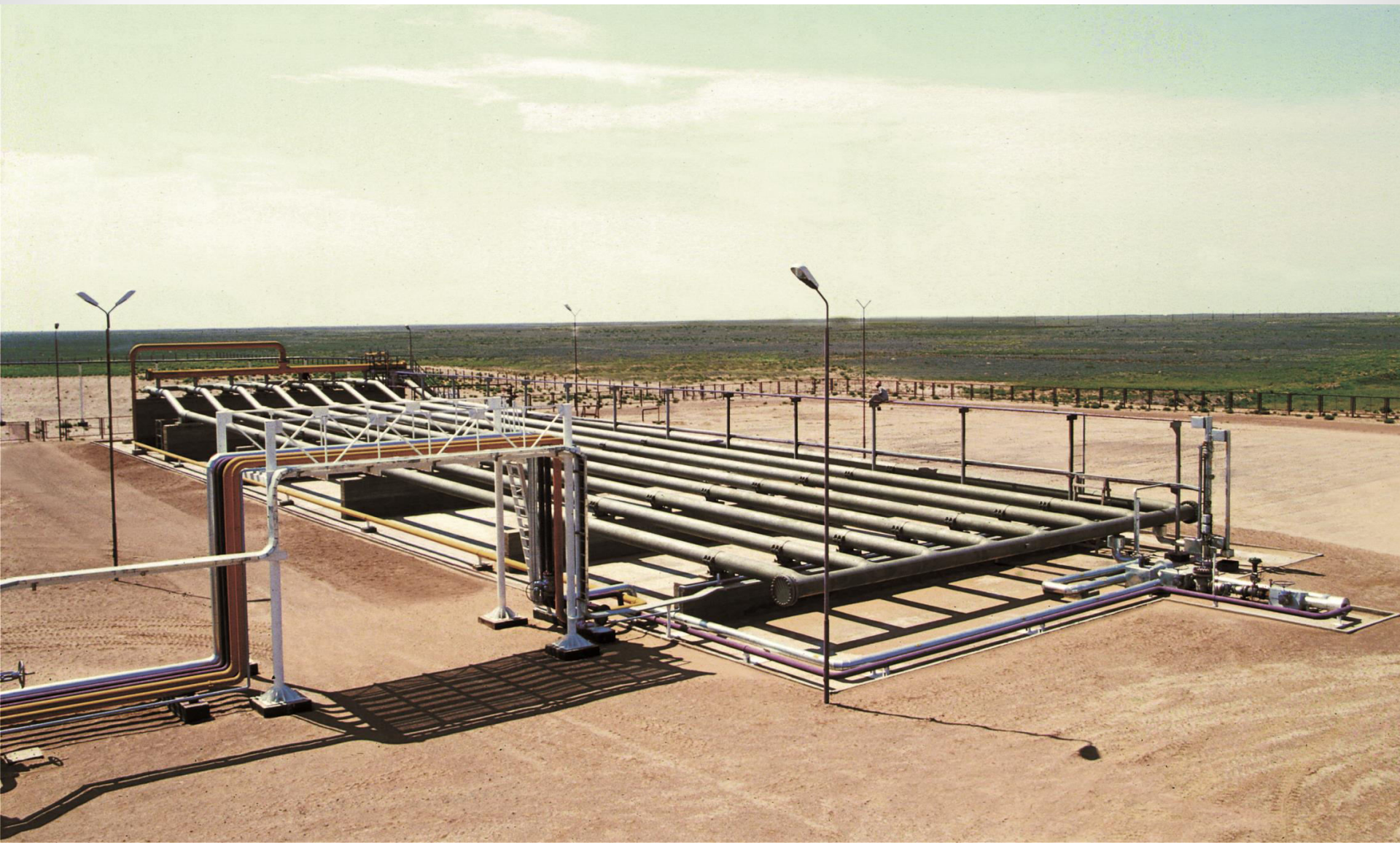
LEGEND

- Step I gas 3mil Nmc/day, condensate 700 to/day
- Step II gas 10mil Nmc/day, condensate 1400 to/day
- Step III LPG: propane 360 to/day, butane 200 to/day, C5+ 200 to/day

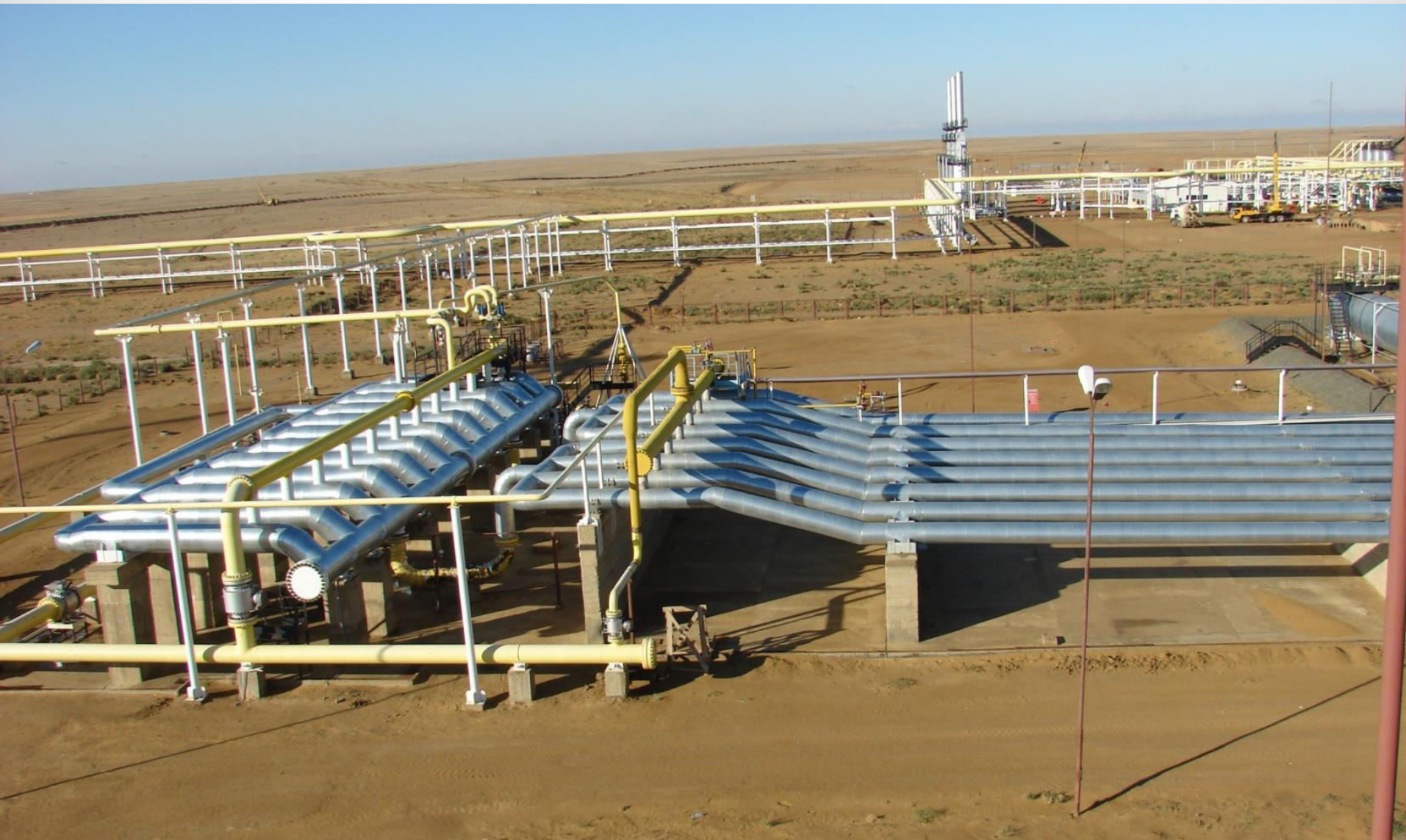
Pig Trap Launcher - Borankol



Slug Catcher – Borankol Step I



Slug Catcher – Borankol Step II (Upgrade)



Slug Catcher – Borankol Step II (Upgrade)





Gas Dehydration and Condensate Stabilisation Unit – Borankol Step I



Condensate Stabilisation Unit – Borankol Step II



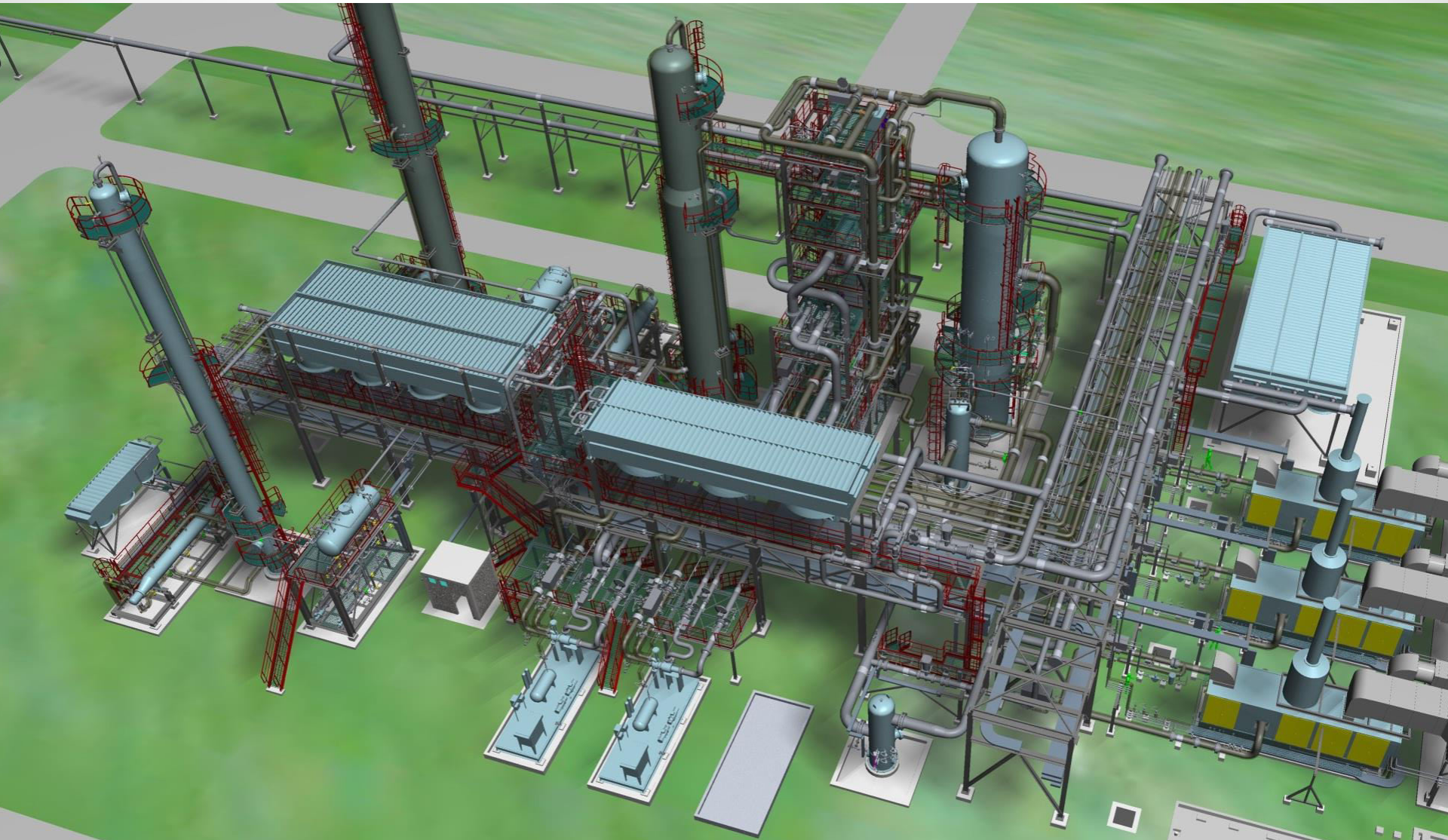
Gas Dehydration Unit – Borankol Step II



Decarbonisation-Desulphuration Unit – Borankol Step III



LPG Recovery and Fractionation Unit – Borankol Step III



Decarbonisation-Desulphuration Unit – Borankol Step III



LPG Recovery and Fractionation Unit – Borankol Step III



Gas Treatment Plant – Borankol (Overall View)



What achieved Confind for all those complex treatment plants?:

- Works Management;
- Fabrication/Manufacturing works for various equipments such as:
 - ✓ Slug-catcher units;
 - ✓ Launching-receiving scrapper traps;
 - ✓ Air coolers / condensers;
 - ✓ Pressure vessels (bi-phase, three-phase separators, adsorbers, towers etc.)
 - ✓ Heat exchangers;
 - ✓ Tanks;
 - ✓ Re-boilers;
 - ✓ Flare-stack
 - ✓ Incinerator
 - ✓ Skids for various applications;
 - ✓ Metallic structures;
 - ✓ Various buildings;

- Procurement in the market (Romania, EU, USA a.s.o) of:
 - ✓ Pumps;
 - ✓ Compressors;
 - ✓ Firefighting (PSI) equipments;
 - ✓ Valves;
 - ✓ Electric equipments (panels, electric cables, cable trays etc).
 - ✓ Field instrumentation and for control rooms
 - ✓ Flow metering for gas and fluid;
 - ✓ Materials for piping (pipes, fittings);
- Packaging and loading of TIR trucks and rail wagons from Campina and Floresti (CONFIND facilities) for being dispatched on site:
 - ✓ Around 9000 tons equipments and materials;
 - ✓ 500 trucks;
 - ✓ 80 rail wagons.

- Assign CONFIND personnel (mechanics, welders, electricians, automation, foremen, site engineers, site managers} – an average of 600 persons during a period of 4.5 years;
- Site erection of equipments, buildings, metallic structures, piping, electric, instrumentation, control rooms;
- Pre-commissioning;
- Commissioning works;
- Personnel training.

Designer: SC PETROSTAR SA Ploiesti;

Specialized Designer: TGE Engineering GmbH Germany for the IIIrd Step.

Our main collaborators:

- ✓SYSCOM Bucharest;
- ✓STERLING FLUID SYSTEMS GmbH;
- ✓Others.

The works carried out by Confind amounted at about 60 mil. EURO (Steps I, II and III).