LETTER OF REFERENCE

This Letter of Reference is given to CHIMCOMPLECT ENGINEERING PLC to certify that it has been a successful subcontractor selected by tenders for the implementation of transit gas pipeline projects for the gas network of Bulgaria. Over the recent years Chimcompект Engineering has worked out all detail design parts in due time and at a high level of quality. Below are the pipeline projects designed by Chimcompект:

1. Transit gas pipeline to Greece, Macedonia, Yugoslavia - Steel pipeline, 40" diameter from Compressor Station (CS) Lozents to Pigging Station (PS) Dupnitsa – total length of 320 km, operating pressure: 5.4 MPa – commissioned over the period 1993 – 2001.
2. Transit gas pipeline to Greece - Steel pipeline, from Pigging Station (PS) Dupnitsa to CS Petrich and the Greek Border – 28” diameter, 132 km length.
3. Transit gas pipeline to Macedonia - Steel pipeline, from Pigging Station (PS) Dupnitsa to the Macedonian border at Gjashevo – 20” diameter, 65 km length.
4. Transit gas pipeline to Turkey, Greece, Macedonia, Yugoslavia - Steel pipeline, from CS Kardam 2 – CS Provadia – 48”- diameter looping 45 km long, operating pressure: 5.4 MPa, including the section GMS Negru Voda – CS Kardam, commissioned in December, 2000.
5. Transit gas pipeline to Turkey, Greece, Macedonia, Yugoslavia - Steel pipeline, from CS Provadia – CS Lozentes –48”- diameter looping 45 km long, operating pressure: 5.4 MPa, commissioned in December, 2001.
6. Transit gas pipeline to Greece, Macedonia, Yugoslavia – Steel pipeline from village Rosen to CS Ihtiman – 40” - diameter, 46 km length, operating pressure 5.4 MPa, commissioned in December 2001.

For the a.m. project the following works have been done:
- geodetic survey, represented in a digital form, pipe routes including terrain shapes, railway tracks, ground and underground communications, rivers, equipment, etc.;
- network of survey points;
- detailed documentation for temporary lease and permanent acquisition of land in accordance with the relevant legislation;
- design of the buried pipeline with details of line valve stations, cross points with roads, railway tracks, rivers, etc.;
- detailed specification of pipes, valves and fittings, insulation and other materials;
- design of cathode protection of the buried pipeline with location details and power supply to cathode stations, anode earthing, measuring and control console, etc.
- preparation of commercial and technical tender documents for E/P/C contracts for the above projects.

7. Transit gas pipeline No 2 to Turkey, Greece, Macedonia, Yugoslavia
   - from CS Provadia, 42 MW, commissioned in May 2001.
   Detail design of all project parts for erection and connection to the main process equipment (four gas turbine compressor units with air coolers and filter separators of MAN GHH Borsig) including piping layout, foundations and equipment support structures, SCADA, MCC, control room, USP and SCS, transformer substation, emergency power generator. Design of all on-site and off-site infrastructure covering 2300 m2 build-up area, overhead power supply line – 20 kV, 34 km; heating boiler room 2 x 320 kW; three pump stations for potable and fire water, 5.5-km off-site water supply pipeline, 2.4-km project motor road, cadastral site plan and construction layout for site auxiliary projects, site planning and roads, development of all utilities on the CS territory.

8. Transit gas pipeline No 2 to Turkey, Greece, Macedonia, Yugoslavia
   - CS Kardam – extension - one turbo compressor of 10.5 MW to be commissioned in July, 2002.


For both compressor stations Chimcomplex has worked out the detailed design of all parts for erection and connection to the main process equipment (one gas turbine compressor unit with air coolers and filter separators for CS Strandja supplied by MAN GHH Borsig) including piping layout, foundations and equipment support structures, SCADA, MCC, control room, USP and SCS.

In the process of design of the above mentioned project Chimcomplex Engineering PLC displayed a huge potential in terms of technical experiences and skills of its staff.
The services rendered by the company are in full compliance with the international standards and their quality assures the perfect implementation of international projects as well.

In view of the aforementioned we presume ourselves of the opportunity to recommend Chineomplete Engineering PLC as a trustworthy partner.

Ilja Ivanov
Executive Director