



CONDMAG S.A.

PIPELINE COMPANY



WHO WE ARE

PIPE LINES CONSTRUCTION

SERVICES



Condmag – specialized in oil, gas and water main pipe lines construction



Our company is a specialized contracting company for: gas, oil, crude oil, water and other fluids, main transmission pipelines and related technological facilities.

- More than 50 years onshore experience;
- It has built more than 85% (over 12.000 km) of the Romanian gas industry infrastructure (high pressure gas transmission pipelines) and more than 1,000 km of oil transmission pipelines;
- Abroad, CONDMAG S.A. achieved together with Rompetrol Bucharest, works to install approximately 620 km of oil, gas, ethylene and propylene pipelines, diameters between 4" to 48". These works were executed in Jordan, ex Yugoslavia, Ukraine, Kazakhstan, Saudi Arabia Turkmenistan and Turkey.
- The **only** Romanian pipeline contractor being member of the International Pipe Line & Offshore Contractors Association (IPLOCA).
- Listed on the Bucharest Stock Exchange, tear II (symbol "COMI").

SERVICES

Pipelines construction:

- ✓ gas pipelines,
- ✓ crude oil, petroleum and chemical products pipelines,
- ✓ potable or industrial water main pipelines,
- ✓ steel/polyethylene gas and water distribution networks,
- ✓ overcrossings of large rivers,
- ✓ undercrossing of large rivers, roads, railroads, by wet controlled drilling,
- ✓ undercrossing: roads, railroads, by dry drilling.

Installations of equipment:

- ✓ gas treatment stations,
- ✓ gas regulating and metering stations,
- ✓ petroleum products/water pumping stations,
- ✓ gas compression stations.

Anticorrosion coating of pipes:

- ✓ with bitumen reinforcing and fiber glass,
- ✓ with self-adhesive polyethylene tapes,
- ✓ sleeves with thermal insulation for welds.





CERTIFICATIONS

Certifications

- ✓ ISO 9001 certificate for the Quality Management System from Qualitas S.A. Bucharest (since 2008);
- ✓ ISO 14001 certificate for the Environment Management System from SRAC S.A. Bucharest (since 2005);
- ✓ ISO 18001 certificate for the Management of Occupational Safety (since 2007);
- ✓ ISO 17025 certificate for the laboratory tests, by RENAR Bucharest (since 2008);
- ✓ Annual ISCIR certification for welders.

Affiliations

- ✓ Condmag is the single Romanian pipeline contractor, Member of IPLOCA (International Pipeline & Offshore Contractors Association), since December 2001.





WHO ARE WE WORKING FOR?

S.N.T.G.N. TRANSGAZ S.A. MEDIAS

S.N.G.N.ROMGAZ S.A. MEDIAS

OMV PETROM S.A. Bucharest
Member of OMV GROUP

CONPET S.A. PLOIESTI

“**TRANSGAZ**” **S.A.** is the technical operator of the national gas transmission system and it is responsible for its operation under quality, safety, efficiency and environmental conditions.

“**TRANSGAZ**” **S.A.** consists of functional entities (divisions, directions, departments, offices, sections, etc.) and production entities (regional operating centers, sectors, labs, workshops, etc.) established based on norms approved by the Board of Administration.

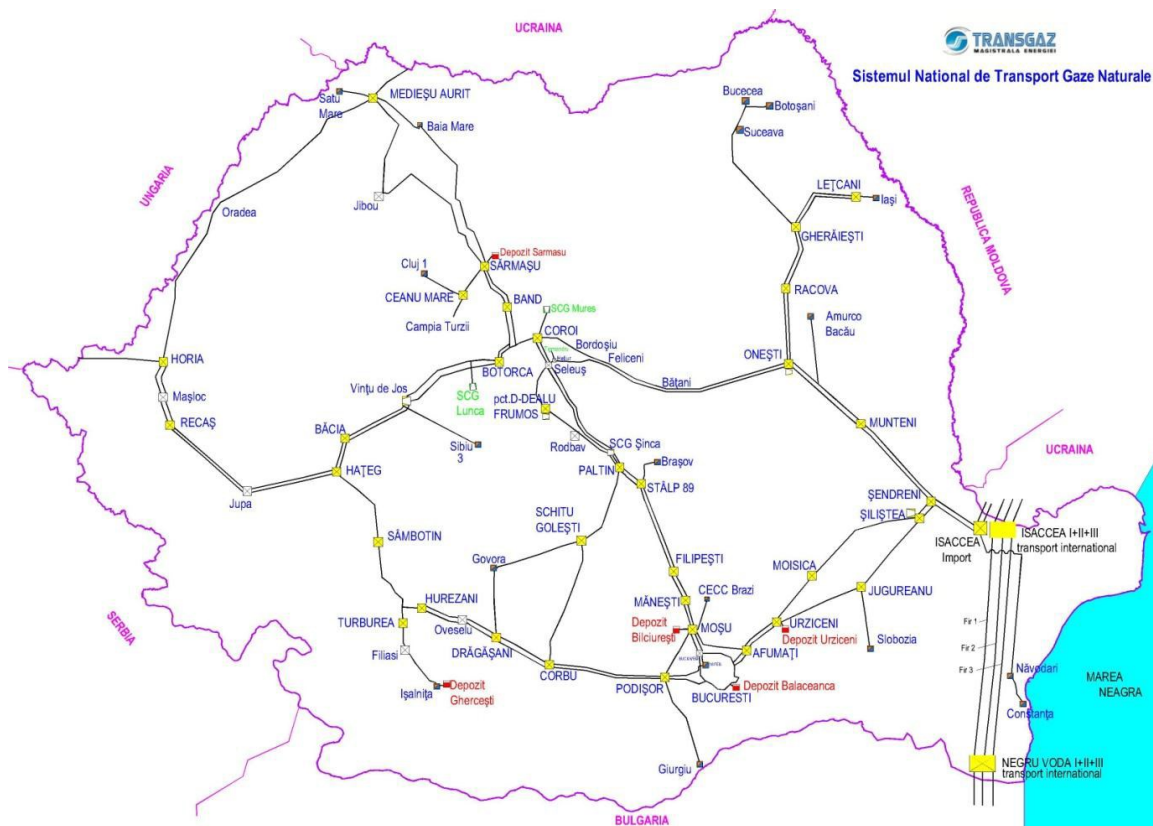
Estimated investment plan

2014 - 2025

1,51 billions euro

1853 km of natural gas transmission pipelines

S.N.T.G.N. TRANSGAZ S.A. MEDIAS



No.	Project	Estimated value	Completion date	Importance of project
1	Development on the Romanian territory of the National Gas Transmission System on the Bulgaria - Romania - Hungary - Austria Corridor	559.7	2019	After completion of the project, the gas transmission capacity to Hungary will be of 4.4 bcm/year and of 1.5 bcm/year to Bulgaria. The importance of the project at European Union level is reflected by the nomination of the project "Gas Pipeline from Bulgaria to Austria via Romania and Hungary" on the list of Projects of Common Interest (PCI), for the transmission of gas from the Caspian Sea Region."
2	Development on the Romanian territory of the Southern Transmission Corridor for taking over the gas from the Black Sea shore	262.4	2019	The importance of the project at European Union level consists of the possibility to direct off-shore gas towards Bulgaria and Hungary through the interconnections at Giurgiu - Ruse (with Bulgaria) and Nădlac - Szeged (with Hungary).
3	Interconnection of the national transmission system with the international gas transmission pipelines	65	2018	Therefore, Transgaz has a special interest to implement this project: <ul style="list-style-type: none"> to eliminate the possibility for the European Commission to impose extremely expensive financial penalties; for ensuring income as high as possible by putting to good use these capacities, after the take or pay contracts expire. We mention the fact that this project is part of the Union's first list of projects of common interest.
4	NTS developments in North-East Romania for improving the gas supply in the area, as well as for ensuring transmission capacities to the Republic of Moldavia	110	Stage I-2015 Stage II-2017	By this project a transmission capacity of 1.5 bcm/year will be ensured at the interconnection point between the transmission systems of Romania and the Republic of Moldavia
5	Development on the Romanian territory of the Central Transmission Corridor for taking over the gas from the Black Sea shore	544	2023	Depending on the increase in gas production available from the Black Sea off-shore, additional development of the network is considered: A secondary route through central Romania and a new interconnection with Hungary. On this route the existing pipeline sections will be rehabilitated, additional pipeline sections and 4-5 compressor stations will be built.
TOTAL (2014-2025)				~ EUR 1.51 bn

48" Transit pipeline ISACCEA – NEGRU VODA; Phase II

Brief description of the performed activities:

- ✓ Embankments;
- ✓ Pipeline installation 48" L = 58,000 m;
- ✓ Under crossing of railway Isaccea,
- ✓ Under crossings of valleys, culverts, banks, roads, county roads
- ✓ River crossing by horizontal directional drilling L = 310 m;
- ✓ Pipe protection;
- ✓ Pressure test;



Condmag has certificates that confirm proper performances of all contractual obligations!

Natural gas transmission pipeline $\phi 24''$ Maşloc – Arad – Horia,

Brief description of the performed activities:

- ✓ Embankments;
- ✓ Pipeline installation Dn 600 mm L = 27.394 m;
- ✓ Under crossing of railway Coslariu – Arad, section Arad – Horia;
- ✓ Under crossings of valleys, culverts, banks, roads, county roads
- ✓ Mures river crossing by horizontal directional drilling L = 280 m;
- ✓ Pipe protection;
- ✓ Pressure test;
- ✓ Cathodic protection stations Fântânele Vest I and II.



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Rehabilitation of natural gas transmission pipeline $\phi 32''$ Şendreni Butimanu, including cathodic protection

Brief description of the performed activities:

- ✓ Embankments;
- ✓ Replace of 10 sections of pipeline Dn 813 x 10 mm, L = 6.617 m;
- ✓ Undercrossing of culvert by horizontal directional drilling with pipeline Dn 813 x 12,5 mm L = 134 m;
- ✓ Undercrossing county roads, feed ditches;
- ✓ Repair of corrosion defects by complex protections using clock spring type;
- ✓ Pipeline insulation by cold straps, epoxy resin reinforced with Rowing straps;
- ✓ Pipeline dismantling;
- ✓ Aerial crossings dismantling;
- ✓ Valves replacing;
- ✓ 17 cathodic protection stations;
- ✓ Pressure tests.



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Defects repairing of $\varnothing 20''$ natural gas transmission pipeline Hurezani Căldăraru, including additional works

Brief description of the performed activities:

- ✓ Set up for the protection of the environment;
- ✓ Repair of the corrosion defects, absence of material, with composite material, clock spring type, for the pipe sections Hurezani – Drăgășani și Drăgășani - Căldăraru;
- ✓ Rehabilitation of aerial crossings;
- ✓ Replacement of pipeline for the two pipe sections with total length 10.424 m;
- ✓ Valves replacement Dn 150, Dn 250; Dn 400 and Dn 500;
- ✓ Pressure tests.

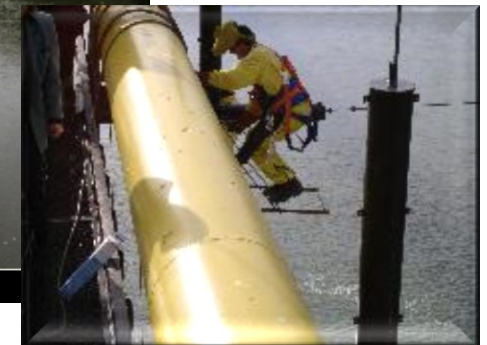


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φ32" pipeline rehabilitation Şendreni Cosmeşti, including additional works

Brief description of the performed activities:

- ✓ Embankments;
- ✓ Repair of singular defects 20 buc;
- ✓ Rehabilitation of aerial crossings, total length = 2.169 m;
- ✓ Rehabilitation of pipeline protections of 10 pipe sections L = 557 m;
- ✓ Pipeline reinsulating of 10 pipe sections total length = 157 m;
- ✓ Pipeline dismantling;
- ✓ Replacement of pipeline of 32 pipe sections L = 11.719,5 m
- ✓ Undercrossing CF Tecuci – Galaţi;
- ✓ Undercrossing CF Făurei – Tecuci;
- ✓ Undercrossing CF Mărăşeşti – Tecuci in a protection pipe;
- ✓ Undercrossing of county roads, national roads, culverts;
- ✓ Rehabilitation of aerial crossings, feed ditches;
- ✓ Valves replacement;
- ✓ 8 cathodic protection stations;
- ✓ Electric facilities; Gas facilities;
- ✓ Pressure tests.

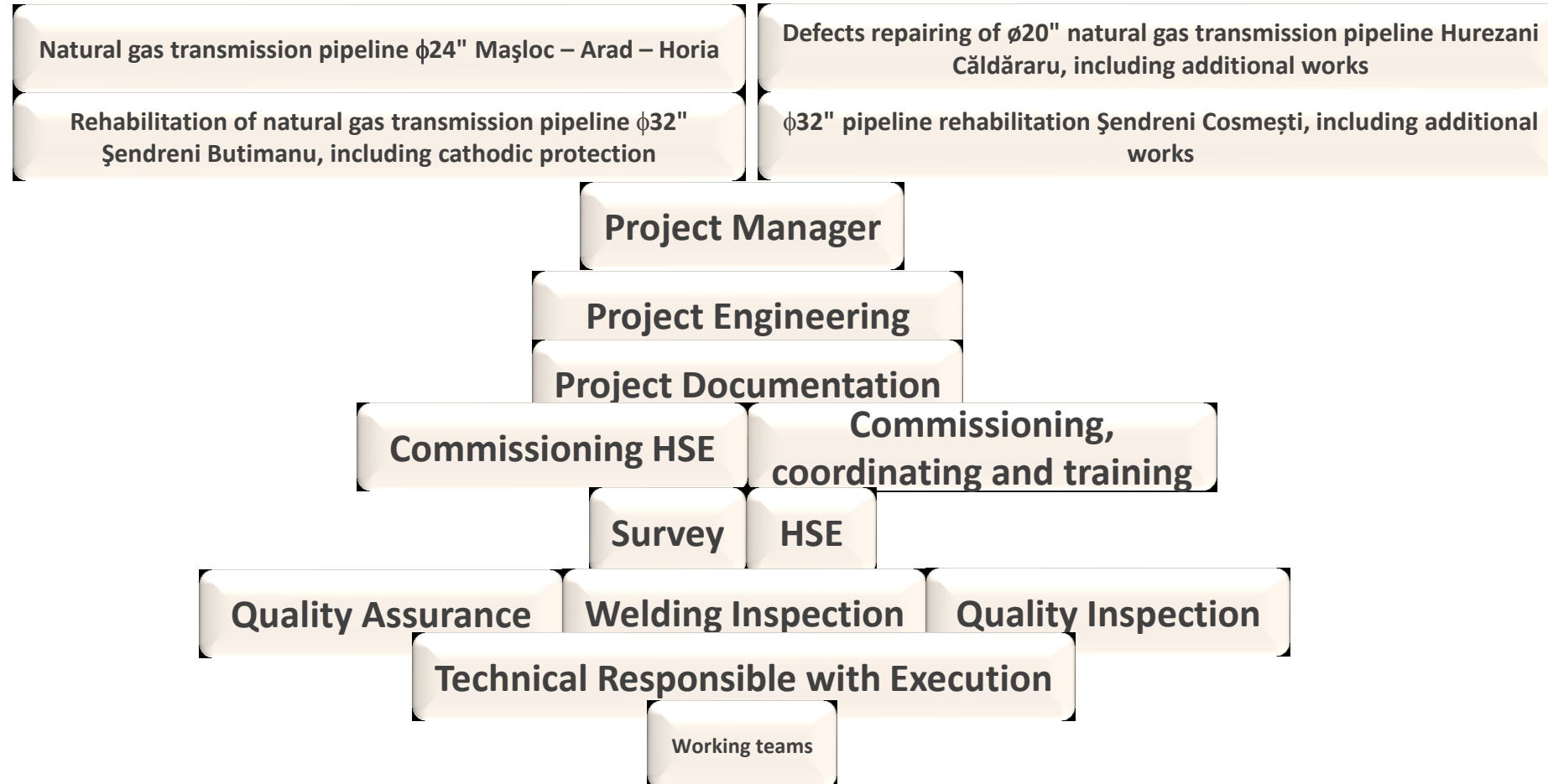


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Rehabilitation of natural gas transmission pipeline $\phi 28''$ x 40 bar Platou Izvor Sinaia – Filipești, Magureni area, Prahova County – protection of left bank of Provita river at Magureni;

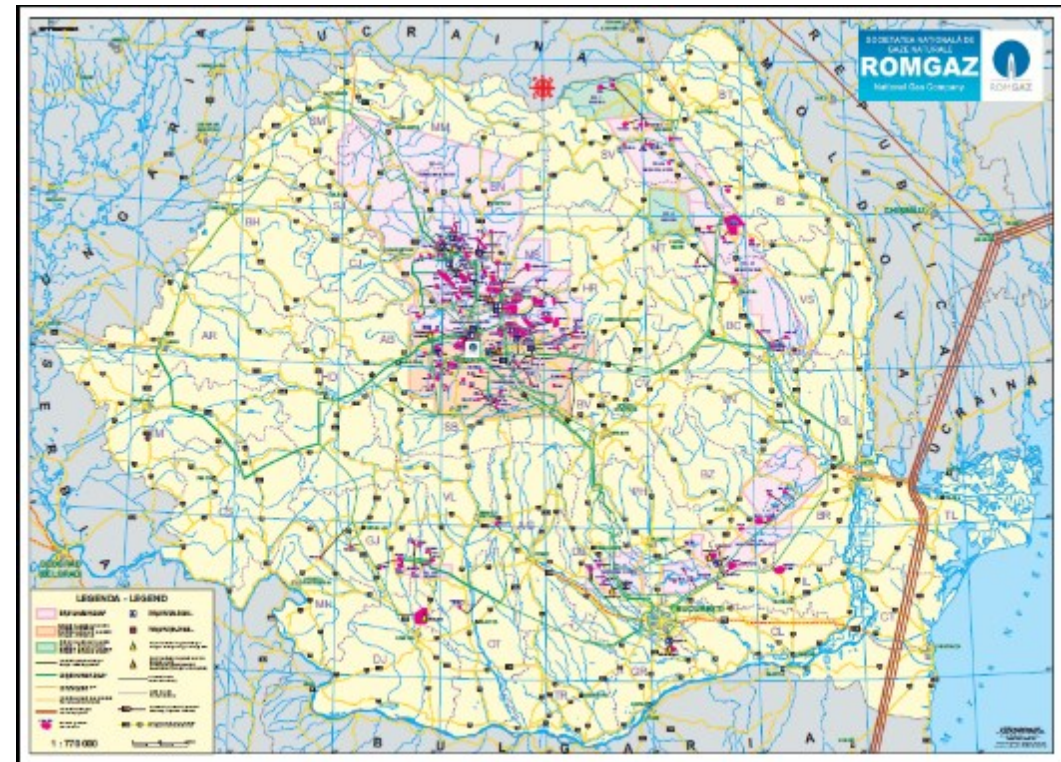
Brief description of the performed activities:

- ✓ Hydrotechnical set up in two points
- ✓ Set up – work decommissioning – bank
- ✓ Road set up and platform
- ✓ Embankment, pipeline installation
- ✓ Pipe and bends procurement
- ✓ Pipeline concreting
- ✓ Welds protection
- ✓ Pressure test
- ✓ Pipeline dismantling





- Romgaz is the largest natural gas producer and the main supplier in Romania.
- Romgaz drills in 8 blocks, 50 locations, about 50.000 m/year.



Modernization of Cristur gas compression station

Brief description of the performed activities:

- Land preparing including environment protection works;
- Energetic works;
- Thermic networks; Potable water networks;
- Sewerage, rain water sewerage, waste water, cleaning station;
- Water treatment installation;
- Gas supply network to heating station;
- Hydrants network and tank PSI;
- Roads;
- Compressors: installation of skid 2 compressors (Q = 400.000 Nmc/day) and oil installation, installation 2 skid for gas and water cooling, aspiration pipeline connection gas pipeline I and II, connection of gas evacuation pipeline I and II;
- Utilities (heating installation, sanitary installations, CT installed, gas usage installation, gas evacuation, CT automation installation, gas equipment installation CT, water installation – 1,2 mc/h);
- Separator and horizontal purge for compressor station;
- Installation of technological pipelines;
- Automation installations



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Modernization of natural gas drying station Tazlău

Brief description of the activities performed:

- Organization of ground;
- Dismounting, demolitions and pipelines deviations;
- Installation of horizontal bi phase and tri phase separator;
- Installation of metering panel;
- Installation of absorption installation;
- Installation of mechanical impurities filter;
- Installation of heating furnace for regeneration gas;
- Installation of air cooler;
- Installation of gas exhaust pipeline at stack;
- Installation of fuel gas pipeline from Regulating Metering Station;
- Installation of pipeline for hydrants;
- Automations installations.



Condmag has certificates that confirm proper performances of all contractual obligations!

Compression in motor compressors stations: SC Balda, SC Grebenis, SC Sanmarin

Brief description of the performed activities:

Balda Compression Station

- dismantling of installations from hall, pumps station, crane;
- decommissioning compressors foundations, compressors channels, dismantling 3 compressors, dismantling pipeline for cooling water, supports, dismantling coolers gas – water, decommissioning the compressors hall;
- set up of foundations and technological channels for compressors hall: foundations for compressors 2 pieces, channels for compressors;
- set up of compressors hall: installation of skid 2 compressors type Ajax DPC 2804 – LE ($Q_{max} = 437.000$ Nmc/ day), oil installation, installation of 2 skid gas and water coolers, installation of glycol tank 2 pieces, pipeline connections;
- auxiliary technological installations:
- auxiliary installations for compressor-glycol, compressor- oil, compressor drainage, ventilation, evacuation of stack gas, installation of gas stack 6" H=20 m 1piece,
- energetic works; thermic networks;
- drinkable water network; installation of tank for residual water;
- heating installation;
- automation installations;
- organisation of ground including arrangements for environment protection.



Condmag has certificates that confirm proper performances of all contractual obligations!

Technological installations and collector for putting into exploitation Well 3 Făurei

Brief description of the performed activities:

- Installations for gas supply; Settlement of group 3 Făurei;
- Installation of collector pipeline ND 150 mm L= 8.475 m;
- Railway under-crossings by horizontal drilling L=122 m;
- Roads under-crossings by horizontal drilling L=62 m;
- Channels under-crossings; Water under-crossings;
- Installation of pipeline for gas gathering;
- Installation of adduction pipeline $\phi 2 \frac{7}{8}$ " L=40 m;
- Installation of horizontal separator $\phi 12 \frac{3}{4}$ ";
- Organization of well's platform 1.200 mp;
- Installation of valves and connection pieces to the well;
- Installation of heater type III NP 350;
- Technological installation at well 3 Făurei;
- Installation of condense tank 20 cubic meters;
- Installation for evacuation of water from condense tank;
- Electrical installations.



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Natural gas drying and compression installation related to Storage Sarmasel

Brief description of the performed activities:

- gas pipeline \varnothing 20"x2450 m, between the existent separation and metering installation and the designed compression and drying station, for transport of high pressure gas \varnothing 12"x2493 m between the existent separation and metering installation and the designed compression and drying station, for transport of medium pressure gas, pipeline \varnothing 20"x894 m between the designed gas compression and drying station and the existent injection/extraction network, deviation of existent water pipeline \varnothing 4"x309m.
- fiscal panel for gas metering \varnothing 12" within ISM (for medium pressure gas); technological pipelines; organization of land;
- installation of biphasic horizontal coalescent filters, provided with filtering devices, in station aspiration, installed above ground (3 pcs.);
- installation of metallic tanks 30 m³ with double walls, for collecting residual water and oil (2 pcs.); installation of compression units (4 pcs.), respectively:
- installation of motor compressors group (4 pcs.); installation of gas – air coolers on compressors outlets(4 pcs.);
- installation of water – air coolers for engine and compressor (4 pcs.); installation of scrubbers for aspiration and compressors outlet, (2x4 pcs.);
- technological gas metering installation; final vertical separators, provided with filtering devices (4 pcs.);
- installation of crane 12,5 tf electrical drive, in construction against explosion; construction of compressors hall; storage of oil/antifreeze;
- installation of gas drying stations (3 pcs.); construction of instrumental air station; construction of technical – administrative complex; lodge for door keeper;
- warehouse for large pieces;



S.N.G.N.ROMGAZ S.A. MEDIAS



Modernization of Cristur gas compression station

Modernization of natural gas drying station Tazlău

Compression in motor compressors stations: SC Balda,
SC Grebenis, SC Sanmarin

Technological installations and collector for putting into
exploitation Well 3 Făurei

Project Manager

Project Engineering

Project Documentation

Commissioning HSE

Commissioning,
coordinating and training

Survey

HSE

Quality Assurance

Welding Inspection

Quality Inspection

Technical Responsible with Execution

Working teams

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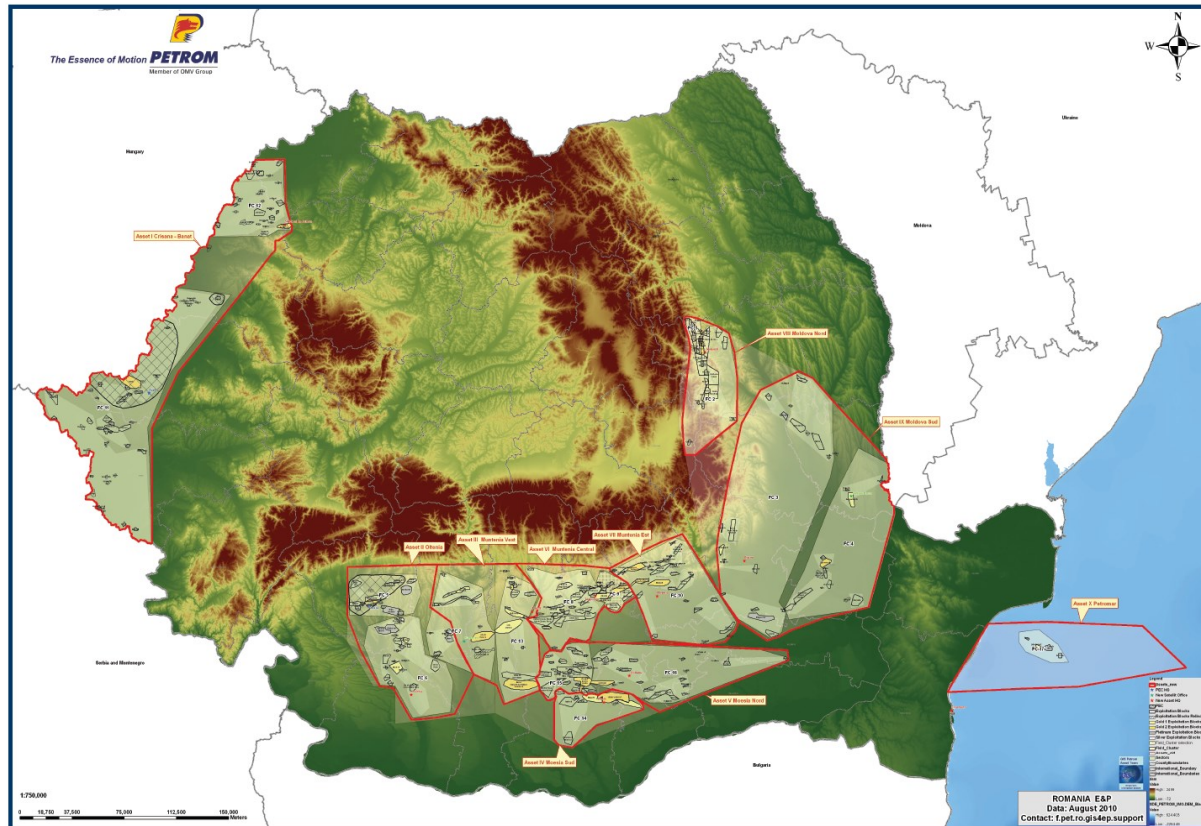


PETROM is the largest oil and gas producer in South Eastern Europe.

With activities in Exploration and Production, Gas and Power, and Refining and Marketing, the OMV Petrom Group has proven oil and gas reserves of approximately 775 mil. boe in Romania and Kazakhstan (750 mil. boe in Romania), a maximum annual refining capacity of 4.2 mil. t, a network of approximately 800 filling stations, operated under two brands, Petrom and OMV, in Romania, the Republic of Moldova, Bulgaria and Serbia, a 860 MW gas fired power plant at Brazi and a 45 MW wind park at Dorobantu.



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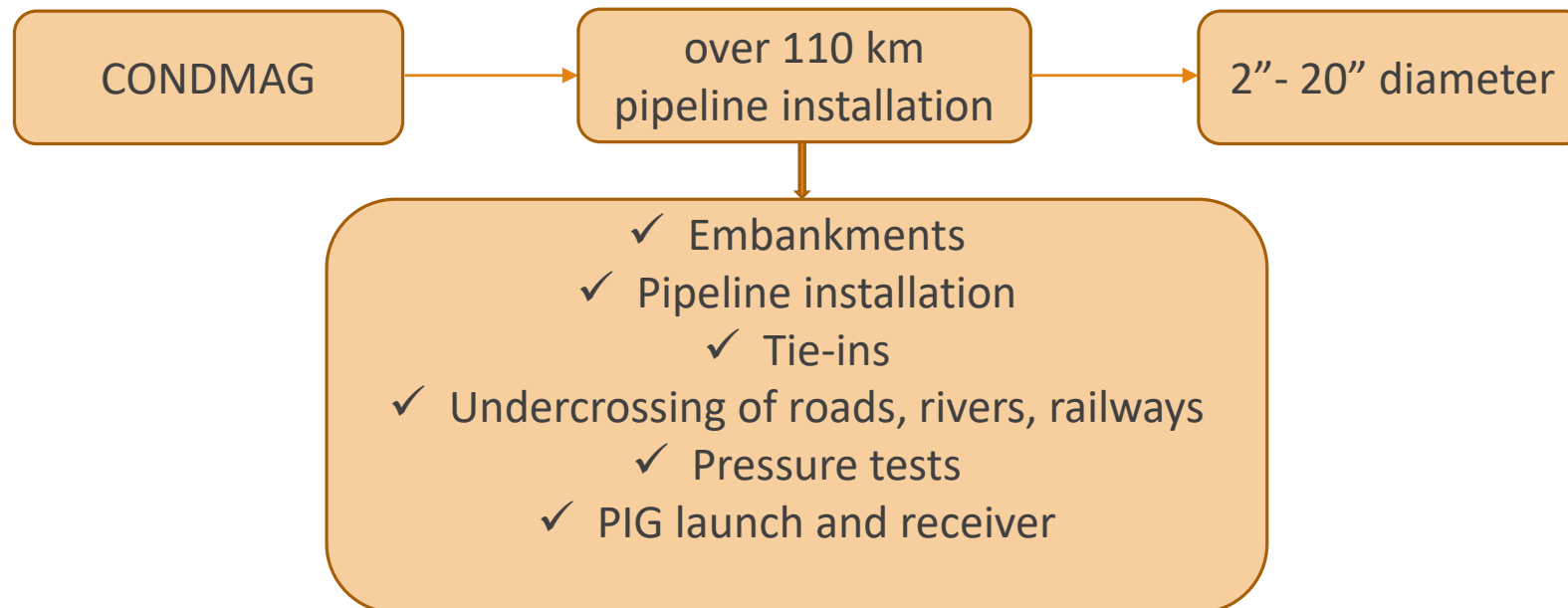


1. Crisana-Banat (Asset I)
2. Oltenia (Asset II)
3. Muntenia Vest (Asset III)
4. Moesia Sud (Asset IV)
5. Moesia Nord (Asset V)
6. Muntenia Central (Asset VI)
7. Muntenia Est (Asset VII)
8. Moldova Nord (Asset VIII)
9. Moldova Sud (Asset IX)

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Condmag develops projects for Petrom, according to a Framework Agreement for performance of buried pipeline construction services, since the end of year 2009 with works related to constructions/installations of HDPE pipelines and repair or HDPE pipelines.



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Main oil pipeline 12" x 7470 m, Anghelesti oil treatment station – 8 Videle oil separator park – 160 Videle oil treatment station;

Brief description of the performed activities:

- Embankments
- Oil pipeline installation $\phi 12''$ L = 7.470 m;
- Oil pipeline installation $\phi 6''$ L = 90 m;
- Horizontal drilling $\phi 20''$ L = 8 m;
- Crossing of Milcovăț Valley;
- Connection of pipeline to D4 Anghelesti and D160 Videle;
- Execution of pressure tests.



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Construction and mounting pipelines P10 – D4 Anghelesti

Brief description of the performed activities:

- Embankments
- Oil pipeline installation $\phi 12''$ L = 16.632 m;
- Additional works and installations in Park 10, Park 18, Park 43 and Park 31 Balaria;
- Additional works and installations for cathodic protection;
- Concrete platforms;
- Pit valve fences;
- Execution of pressure tests;
- Connections of pipelines.



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Execution system pipelines Park Predești

Brief description of the performed activities:

- Water injection line from Park Predesti to injection well 86 Pitulati
P1-P44+P50-P110+P126-P130 = 4439 m;
- Flow line from well 11 P1-P62 = 2163 m;
- Flow line from well 12 P1-P9 = 288 m;
- Flow line from well 70 P1-P44 = 2198 m;
- Flow line from well 80 P1-P109 = 4745 m;
- Flow line from well 10 P1-P10 = 306 m;
- Flow line from well 7 P1-P9 = 287 m;
- Flow line from well 1 P1-P11 = 410 m;
- Flow line from well 2000 P1-P11 = 408 m;
- Flow line from well 5 P1-P11 = 406 m;
- Flow line from well 1+100 P1-P11 = 404 m;
- Gas pipeline installation $\phi 6''$ L = 5.488 m;
- Execution of pressure tests;
- Connections of pipelines.



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Replacing gas pipeline $\phi 20''$ Bustuchin-Turburea 1,5km – Helvet

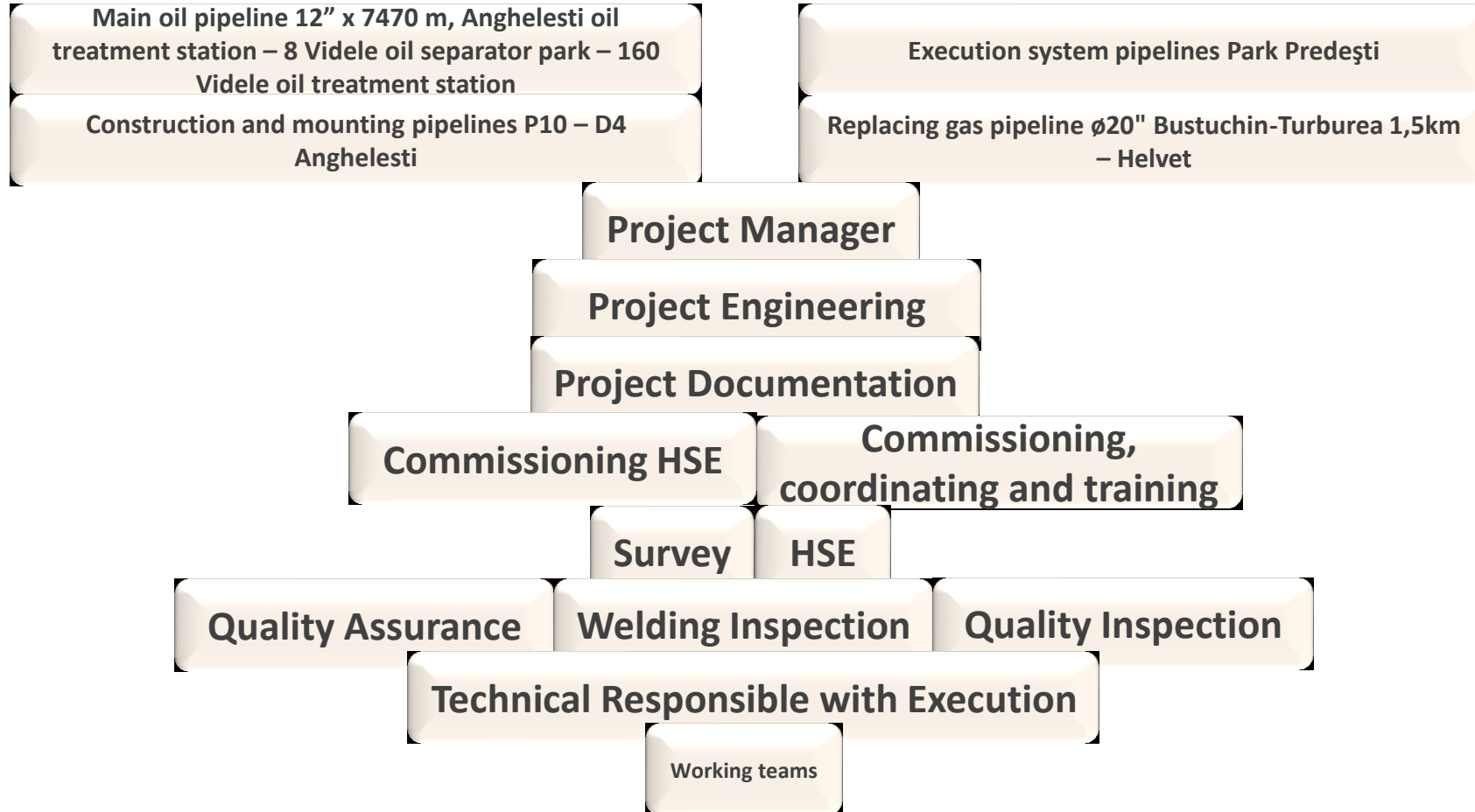
Brief description of the performed activities:

- Montaj conductă $\phi 12''$ L = 983 m;
- Montaj conductă $\phi 20''$ L = 1720 m;
- Cuplări conducte;
- Foraj orizontal dirijat L = 180 ml;
- Probe de presiune



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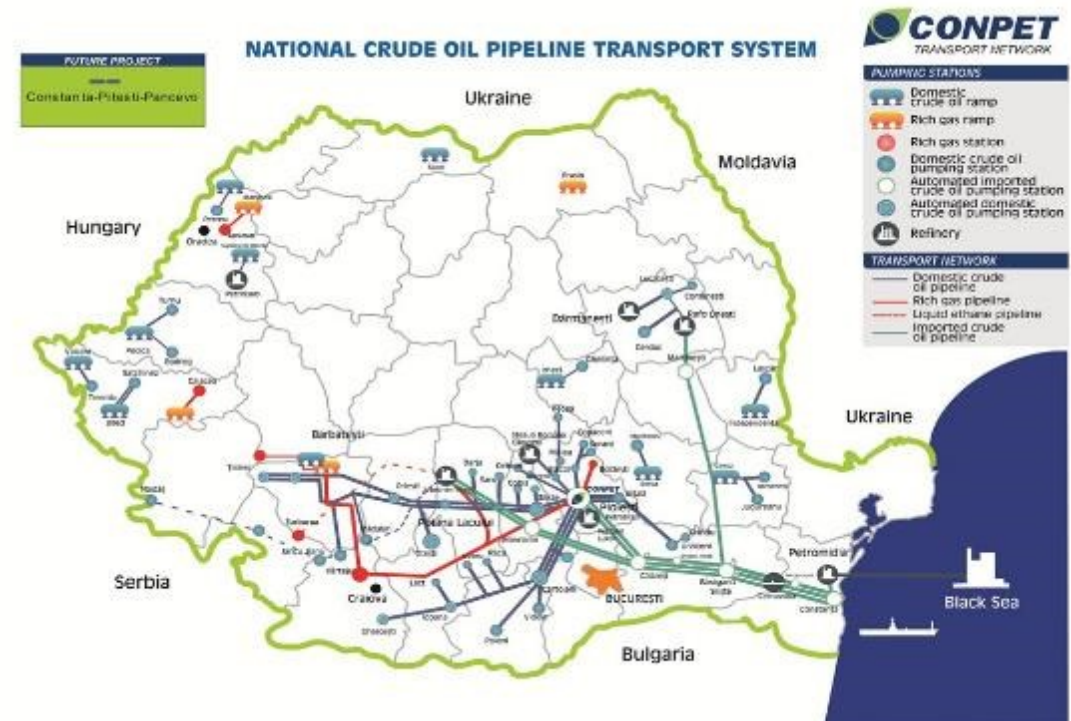


CONPET S.A. PLOIESTI



S.C. CONPET S.A. is the operator of the Crude Oil Pipeline Transport System

CONPET supplies transport services for its clients both through the National Oil Transport System, based on the Oil Concession Agreement, as well as through the railway system, from the loading ramps to the beneficiaries, for the oil sections that are not connected to the major transport pipelines.



CONPET S.A. PLOIESTI



$\phi 10\frac{3}{4}$ " crude oil transmission pipeline Lascăr Catargiu – Independența, stopping storage area, length $\cong 1$ km, Galați county, total length $\cong 2$ km;

Brief description of the performed activities :

- ✓ Embankments;
- ✓ Pipeline installation L = 2.000 m;
- ✓ Old pipeline removal;
- ✓ Cathodic protection station;
- ✓ Inspection of anticorrosive protection.



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CONPET S.A. PLOIESTI



Engineering and construction „Crude oil pipeline replacement $\phi 14\frac{3}{4}$ " Cartojani – Ploiești in the area of Cartojani Station, Roata de Jos, Giurgiu County, length $\cong 450$ m and of C.A.P. Crevedia area length $\cong 1500$ m”;

Brief description of the performed activities:

- ✓ Engineering
- ✓ embankment;
- ✓ Pipeline installation L = 1.950 m;
- ✓ Old pipeline removal;
- ✓ 3 cathodic protection stations;
- ✓ Inspection of anticorrosive protection.



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Design and execution of $\phi 6 \frac{5}{8}$ " pipeline replacement Ochiuri - Moreni, length 1300 m

Brief description of the performed activities:

- ✓ Project processing
- ✓ Embankment;
- ✓ Pipeline installation L = 1.300 m;
- ✓ Old pipeline removal;
- ✓ Valve and protection installation;
- ✓ Road crossing in opened trench;
- ✓ Pipeline protection with zinc anodes;
- ✓ Installation of electric insulated flanges;
- ✓ Inspection of anticorrosive protection quality.



OTHER IMPORTANT CLIENTS

Brasov City Hall

Technical project and works execution for SECTION III (3 Objective) - Junction with Dn 600 PT 2 CFR – VOZ and connection point of CT 37 Astra within the investment project: „Interconnection of transmission network, North Braşov area“ (engineering and construction);

Brief description of the performed activities:

- ✓ engineering;
- ✓ Environment protection set up;
- ✓ embankments;
- ✓ Interconnection with CET pipeline and transporting of heat carrier to heating station in Astra residence – heat carrier $p_{max} = 16$ bar, temperature forward $5^{\circ}C$ / return $75^{\circ}C$;
- ✓ Installation of heat carrier transmission on two sections $L = 1.900$ m/ section, $L_{total} = 3.800$ m (steel pipeline Dn 400 mm polythene protection PE Dn 560 mm, and installation of hard foam polyurethane between the two pipelines);
- ✓ 3 pipe fittings manholes of reinforced concrete: 1 piece Dn 200, 2 piece Dn 350;
- ✓ Joints manhole for valves Dn 500;
- ✓ Sectioning manhole Dn 400;
- ✓ 2 outlet manhole Dn 80;
- ✓ Ventilation manhole Dn 65;
- ✓ Installation of optical fiber cable $L = 2.000$ m.



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On-going Projects

Work
in
progress



TRANSGAZ projects :

Condmag executes the Transgaz project for the Mintia-Brad-Steii natural gas pipeline, the 1st stage Mintia-Brad, Hunedoara County, DN 300 PIPELINE.

Condmag executes the Transgaz project for the Craiova Segarcea natural gas pipeline, Dolj County, DN 500 PIPELINE.

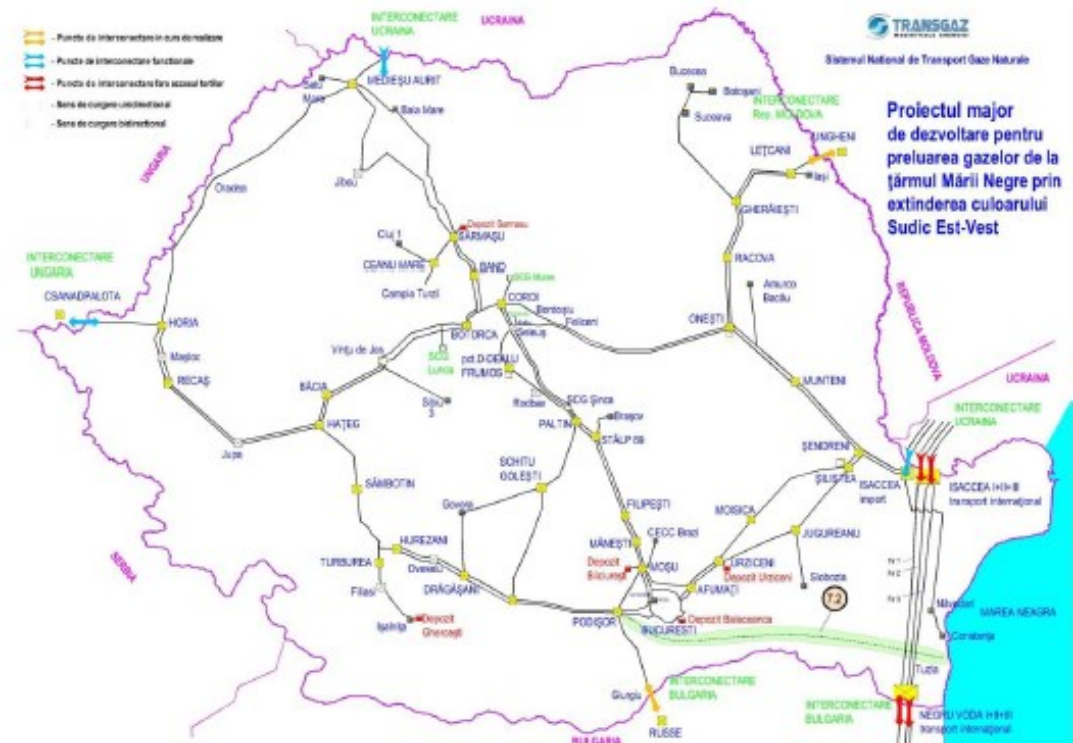




TRANSGAZ project : “Development on the Romanian territory of the Southern Transmission Corridor for taking over the Black Sea gas ”

While Europe becomes more dependent on imported gas, access to new sources becomes an vital necessity. The studies and evaluations made until now have shown important gas deposits in the Black Sea. Under the circumstances, the development on the Romanian territory of a gas transmission infrastructure from the Black Sea shore to the border with Hungary represents one of TRANSGAZ major priorities .

The Tuzla – Podișor pipeline, approximately 247 km long, shall be designed for a maximum pressure of 55 bar and shall be telescopic, with diameters of 48” and 40” .





**THANK YOU FOR YOUR
KIND ATTENTION!**