



ENGINEERING, MANUFACTURING, CONSTRUCTION



PRESTORUS

PRODUCER OF INNOVATIVE GEOSYNTHETICS
SAVE ON BUILDING. WITHOUT COMPROMISE.

Projects overview

ABOUT

GENERAL INFORMATION:

PRESTORUS was established in 1998 and since then has become an expert in geocell application in Russia. This advanced technology was brought from the USA and was successfully implemented in the late 90's and 2000's. It received approval and was efficient on the key Russian oil and gas projects – Gazprom oil and gas fields Yubileinoe, Pestsovoe, Zapolyarnoie and others, after which the Gazprom management decided to apply geocells widely.





GENERAL INFORMATION:

PRESTORUS is unique and differs from other producers in the industry. Our specialists together with leading research institutes have developed constructions with the use of geocells for oil and gas, road and other industries, which have been successfully used by the customers. Thus, we do not limit ourselves to production of the geosynthetic materials, we also have a huge experience as a building contractor of objects with the use of geomaterials in various geological and climatic conditions, including permafrost, Extreme North and polar region.



TYPES OF WORKS:

- development of project documents and standard technical documents;
- new designs and advanced technical solutions with the use of geosynthetic materials;
- expert assessment of estimate standards for construction with the use of geosynthetic materials;
- field supervision and engineering support of the constructed facilities;
- supervision of construction work with the use of geosynthetic materials;
- education, training and consulting of contractors and engineering organizations;
- production and delivery of geosynthetic materials with the components to the worksite;
- construction of facilities with the use of geosynthetic materials.



PRESTORUS THEN AND NOW



further to meeting with the Gazprom representatives and profile design institutes, PRESTORUS was announced as the leading company responsible for the GEOWEB® technology on the strategic Gazprom facilities, additionally, PRESTORUS applied the GEOWEB® technology on the largest oil and gas condensate field of West Siberia - transpolar oil and gas field



PRESTORUS registers a geocell production patent and a new trademark

1998

1999

2000

2002

2003

2004

2005

2006



establishment of the company, the first tender is won (road construction from Khanty-Mansiysk to Nyagan)



design and construction of retaining walls with the use of geocells for the compressor plant «Beregovaya» in an international Blue Stream project



PRESTORUS together with Gazprom developed and registered 4 patents with the use of geocells



PRESTORUS developed and patented an innovative construction with the use of geocell - flexible concrete slab GEOSOTY™



PRESTORUS concluded a multiannual contract with PJSC Sroytransgaz for construction works of service drives at the cross-country pipeline «SRTO - Torzhok». Over the course of cooperation PRESTORUS supplied more than 6 mln. m² of geocell PPR. Additionally, PRESTORUS participated in the infrastructure development of the Pestsovoye field and used more than 200 000 m² of geocell PPR



PRESTORUS developed main patterns with the use of geocell PPR for linear, on-site structures and roads protection. Dangerous geological and natural phenomena at the Altai gas pipeline were also taken into account

1,5M M2



PRESTORUS won the CJSC Vankorneft tender and provided the supply of more than 1,5 mln. m2 of geocell PPR to develop Vankorskiy oil field



PRESTORUS concluded a contract with a company CJSC Gazprom StroyTEK Salavat (one-stop supplier for Gazprom) for supply of geosynthetic materials



GEOCORD

a new innovative geocell GEOCORD™ with improved properties was developed. A new federal object was finished – slopes of higher steepness reinforcement on the highway M11 «Moscow – St. Petersburg»



PPR

PRESTORUS provided the first supplies of geocell PPR for the engineering protection of cross-country pipeline system «Power of Siberia». A new department for international projects was also created



launch of a new modern and high-tech factory, which will significantly increase the volumes of output and will help to broaden the range of the manufactured geomaterials

2008

2012

2014

2016

2007

2009

2013

2015

2017

PERSPECTIVE



PRESTORUS opened the geocell production factory in Moscow, Russia



1,2,3

PRESTORUS successfully finished the object. «Reconstruction of 1, 2 and 3 pipeline in Zapolyarное – Urengoy. Water disposal and anti-flood activities. Elimination of washaways and embankment erosion». Geocell PPR and its components made by PRESTORUS were used during the construction



GEOSTEP

a new innovative material for slope reinforcement GEOSTEP™ was developed



first international project realized in Kyrgyzstan. Partnership agreements were concluded with the European and Asian countries. A non-woven geotextile Geoknit-N™ and innovative composite anchors for geocell fixation were introduced into the assortment

NUMBERS AND FACTS:



Established since 1998



Our annual output of geocells is more than 5 mln. sq. m



18 years of successful work



More than 800 geocell products



425 clients



More than 30 patents



27 new clients in 2016



450 mln. Rub of investments in new production facilities



735 supplied objects



Up to 50% – your savings when constructing with the use of geosynthetic materials if compared to traditional solutions

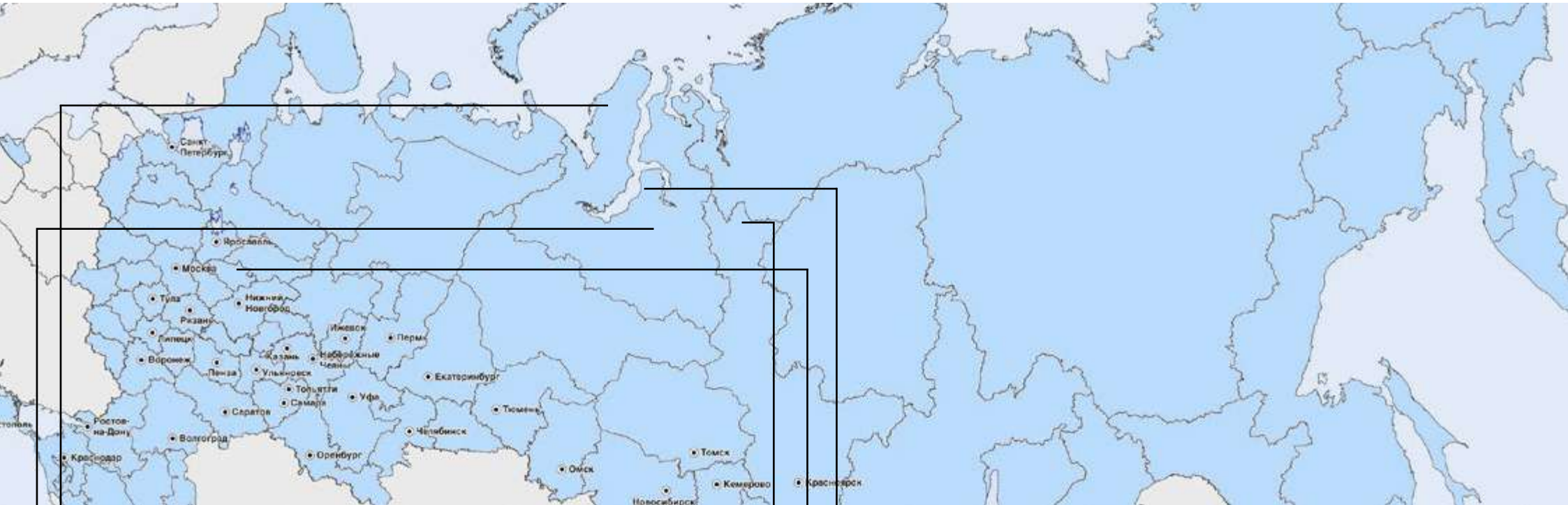


MAP OF COMPLETED PROJECTS



MAP OF COMPLETED PROJECTS

OIL AND GAS FIELDS:



Yamal peninsula

Bovanenkovskoe oil and gas condensate field



Novy Urengoy

Zapolyarnoe oil and gas condensate field
Yubileinoe oil and gas condensate field
Medvezhie oil and gas condensate field
Urengoisкое oil and gas condensate field
Yamburgskoe oil and gas condensate field
Yuzhno-Russkoe oil and gas condensate field



Chuya

Chayandinskoe oil and gas condensate field



Samburg

Samburgskoe oil and gas condensate field

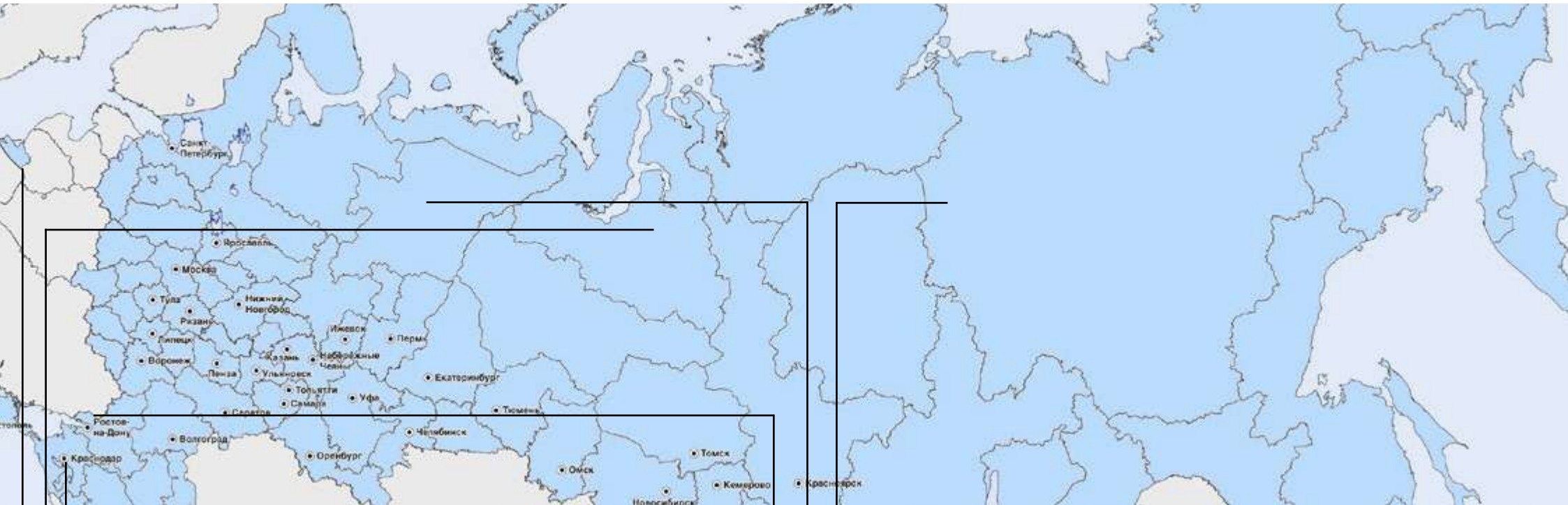


Igarka

Vankor field

MAP OF COMPLETED PROJECTS

PIPELINES:



Krasnodar

South-European (Yuzhno-Evropeiskiy)
Gas pipeline «Russia – Turkey»



Novy Urengoy

Cross-country gas pipeline Zapolyarnoe – Urengoy



Kaliningrad

Cross-country gas pipeline Vilnius-Kaliningrad



Lensk

Samburgskoe oil and gas condensate field
Oil pipeline «Eastern Siberia – the Pacific Ocean»



Uhta

Cross-country gas pipeline system «Bovanenkovo – Uhta»



Novoposkov

Cross-country gas pipeline Urengoy-Novoposkov

MAP OF COMPLETED PROJECTS

PIPELINES:



Aleksandrov Gay

Gas pipeline «Middle Asia – Center»



Vologda

North-European (Severo-Evropeiskiy) gas pipeline



Vladivostok

Cross-country gas pipeline system «Sakhalin – Khabarovsk – Vladivostok»

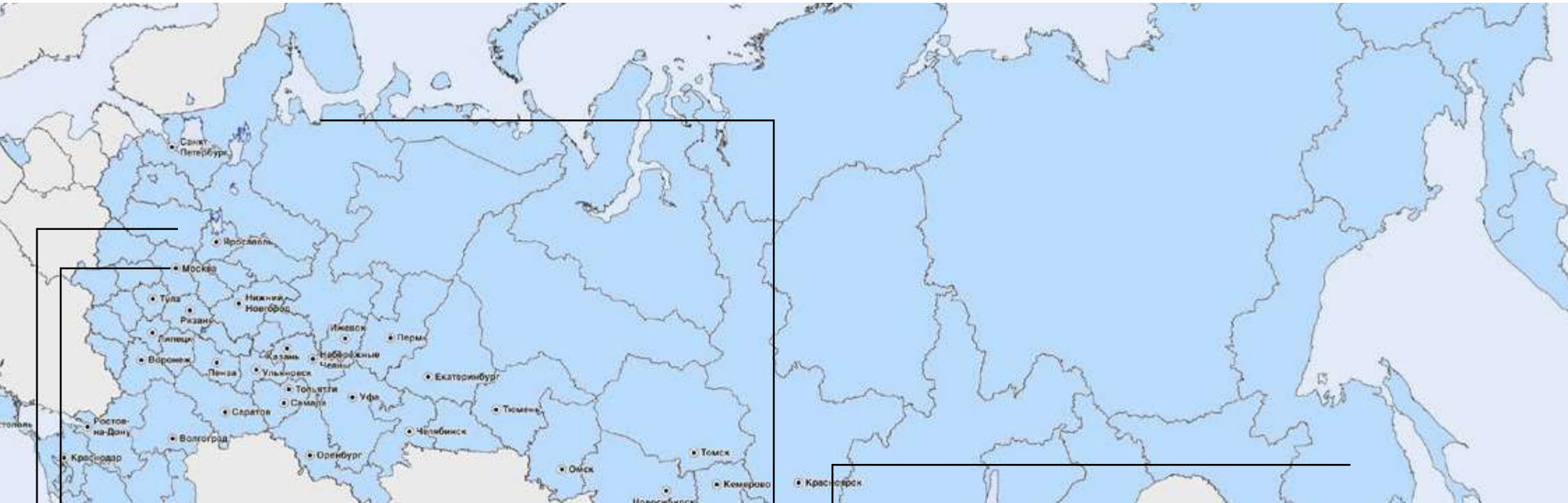


Torzhok

Cross-country gas pipeline system «SRTO – Torzhok»
Cross-country gas pipeline system «Uhta – TORzhok»

MAP OF COMPLETED PROJECTS

HIGHWAYS:



Moscow

Moscow ring highway (MKAD)



Tver

Highway M11 «Moscow – St. Petersburg»



Komsomolsk-na-Amure

Highway Khabarovsk – Lidoga – Vanino with an access road to Komsomolsk-na-Amure

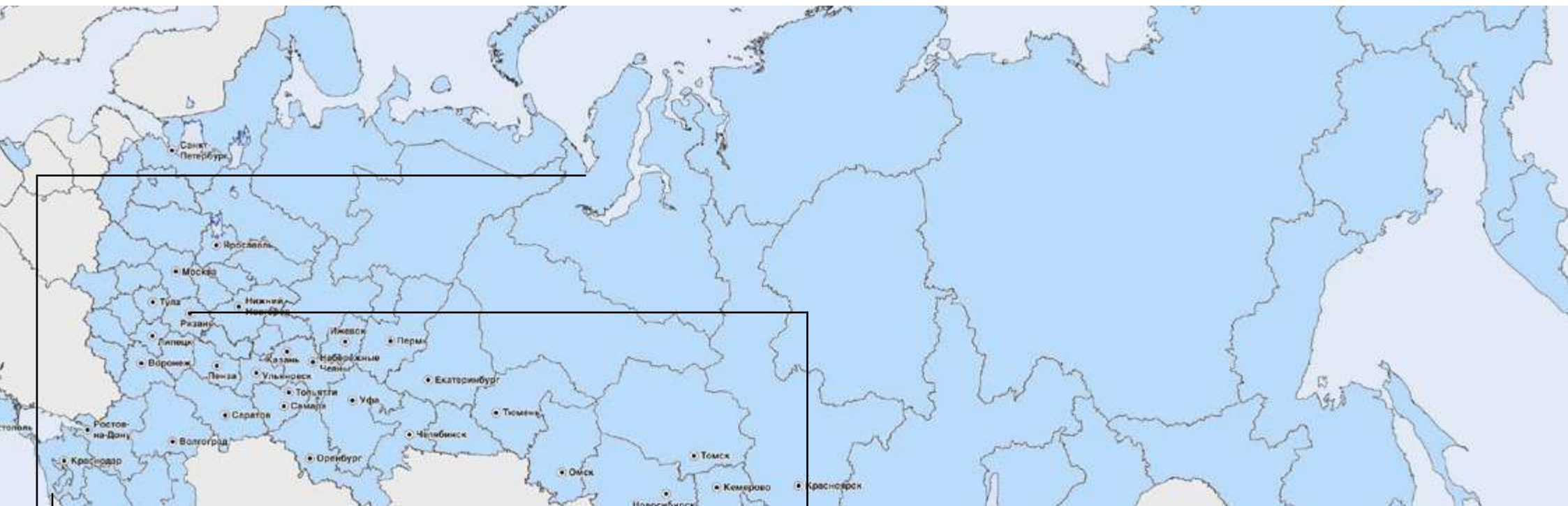


Arhangelsk

Federal highway M-8 «Holmogory» Moscow – Arhangelsk

MAP OF COMPLETED PROJECTS

RAILWAYS:



Adler

Line Tuapse – Adler Severo-Kavkazskaya railway



Payuta

Railway Obskaya – Payuta



Ryazan

Moscow railway, section Ryazan – Kustarevka

FOCUS AREAS AND INDUSTRIAL PARTNERS:

SCIENTIFIC INSTITUTES:

- JSC Research Institute of Transport Construction (TSNIIS) - Moscow;
- JSC Gazprom Promgaz - Moscow;
- Federal State Budgetary Educational Institution of Higher Professional Education «Moscow State Institute of Environmental Engineering» - Moscow;
- Moscow State Automobile and Road Technical University (MADI) - Moscow;
- Federal State Budgetary Educational Institution of Higher Professional Education «Moscow State University of Railway Engineering (MIIT)» - Moscow;
- LLC Gazprom VNIIGAZ - Moscow Region.





PROJECT INSTITUTES:

- PJSC VNIPIgazdobycha - Saratov;
- JSC Giprospetsgaz - St. Petersburg;
- PJSC YUZHNIIGIPROGAZ - Donetsk;
- JSC Giprogazcentr - N.Novgorod;
- LLC NK Rosneft Research and Technical Center - Krasnodar;
- JSC Fundamentproekt - Moscow;
- JSC SevKavNIPIgaz - Stavropol;
- JSC Giprotyumenneftegaz - Tyumen.



PJSC GAZPROM SUBSIDIARY COMPANIES:

- LLC Gazprom Dobycha Nadym;
- LLC Gazprom Dobycha Urengoy;
- LLC Gazprom Transgaz Surgut;
- LLC Gazprom Transgaz Krasnodar
(LLC Gazprom Transgaz-Kuban);
- JSC Yamalgazinvest;
- Gazprom Dobycha Yamburg Ltd.;
- LLC Gazpromstroyinzhiniring
(Gazprom Invest Yug CJSC);
- DJSC Spetsgazavtotrans PJSC Gazprom;
- OJSC Centrgaz.





OTHER COMPANIES:

- CJSC Gazprom StroyTEK Salavat ;
- PJSC Stroytransgaz;
- LLC Stroygazconsulting;
- JSC Mezhtregionkomplekt;
- CJSC Vankorneft;
- LLC Katran-K (France);
- Strabag AG (Austria);
- LLC MRK-Inzhiniring;
- JSC RZDstroy;
- PJSC Transneft;
- LLC Podvodgasenergосervice;
- JSC Krasnodargazstroy;
- LLC Transstroy-mehanizatsiya.





COMPLETED PROJECTS
GEOSTEP™



SLOPE REINFORCEMENT, MOSCOW CENTRAL RING (MCK), 2016

Customer (investor): JSC Russian Railways

Amount of work completed: more than 50 000 m²

Result of technology application: Work intensification by 30%, cost reduction by 15%, earthworks volume reduction by 15%



SLOPE REINFORCEMENT, TRANSFER POINT SHESCHARIS, 2016

Customer (investor): PJSC Transneft

Amount of work completed: more than 10 000 m²

Result of technology application: Work intensification by 50%, cost reduction by 20%





COMPLETED PROJECTS
GEOCORD™





SLOPE REINFORCEMENT OF THE CROSS-COUNTRY OIL PIPELINE «KUIBYSHEV – LYSYCHANSK», 2014

Customer (investor): PJSC Transneft

Amount of work completed: more than 20 000 m²

Result of technology application: Cost reduction by 15%, tripling of construction strengthening and durability (from 25 to 75 years), prevention of embankment erosion, cost reduction by 20% for further operation



SLOPE REINFORCEMENT, TRANSFER POINT SHESCHARIS, 2016

Customer (investor): PJSC Transneft

Amount of work completed: more than 10 000 m²

Result of technology application: Cost reduction by 15%, tripling of construction strengthening and durability (from 25 to 75 years), prevention of embankment erosion, cost reduction by 20% for further operation





COMPLETED PROJECTS
PPR GW



SLOPE REINFORCEMENT, MOSCOW CENTRAL RING (MCK), 2016

Customer (investor): JSC Russian Railways

Amount of work completed: more than 100 000 m²

Result of technology application: Work intensification by 20%, cost reduction by 15%, earthworks volume reduction by 15%





BRIDGE ABUTMENTS REINFORCEMENT, M-8 «HOLMOGORY» FEDERAL HIGHWAY RECONSTRUCTION, BYPASSING TARASOVKA VILLAGE IN MOSCOW REGION, 2015

Customer (investor): Federal Road Agency

Amount of work completed: more than 2 000 m²

Result of technology application: Work intensification
by 20%, cost reduction by 15%



MORE THAN 12 M HIGH CUT SLOPE REINFORCEMENT, M11 FEDERAL HIGHWAY «MOSCOW – ST. PETERSBURG», 2013-2014

Customer (investor): The State Company Russian Highways

Amount of work completed: more than 400 000 m²

Result of technology application: Slope erosion prevention, cost reduction for the further operation





ROAD PAVEMENT, EMBANKMENT SLOPE REINFORCEMENT. LINE SERVICE ROAD «COMPRESSOR STATION VORKUTINSKAYA – COMPRESSOR STATION YARYNSKAYA», GAS TRANSMISSION NETWORK «BOVANENKOVO – UHTA», 2013-2014

Customer (investor): PJSC Gazprom

Amount of work completed: more than 1 000 000 m²

Result of technology application: Road construction without peat reclamation and temporary wood strip road, construction cost reduction by 15%, construction time reduction by 15%



REINFORCEMENT OF EMBANKMENT BASE AND SLOPES, ROAD PAVEMENT, LINE SERVICE ROAD «GAS TRANSMISSION NETWORK SRTO – TORZHOK», 2005 - 2011

Customer (investor): PJSC Gazprom

Amount of work completed: more than 5 000 000 m²

Result of technology application: Road construction without peat reclamation and temporary wood strip road, construction cost reduction by 15%, construction time reduction by 15%



RETAINING WALL, COTTAGE IN MOSCOW REGION, 2007

Customer (investor): Individual

Amount of work completed: more than 100 lin. m

Result of technology application: Slump preventing



CURTLAGE REINFORCEMENT, COTTAGE ESTATE IN MOSCOW REGION, 2005

Customer (investor): OOO Istra Park

Amount of work completed: more than 100 000 m²

Result of technology application: Project cost reduction by 50% in comparison with the use of traditional asphalt-concrete constructions





FIRE ACCESS ROAD, CURTILAGE LANDSCAPING, MOSCOW, 2004

Customer (investor): Strabag AG

Amount of work completed: more than 500 m²

Result of technology application: Construction can hold heavy load transport without disturbing plants root system, project cost reduction by 15%



RETAINING WALL, COMPRESSOR STATION BEREGOVAYA, BLUE STREAM PROJECT, PIPELINE «RUSSIA – TURKEY», 2002-2003

Customer (investor): PJSC Gazprom

Amount of work completed: more than 100 lin. m

Result of technology application: Construction time reduction by 15%, construction cost reduction by 20%, possible infrastructure development of a compressor station safely preventing slumps





EMBANKMENT AND PIPELINE OUTLETS REINFORCEMENT, PIPELINE «ZAPOLYARNOE – URENGOY», 2000-2005

Customer (investor): PJSC Gazprom

Amount of work completed: more than 500 000 m²

Result of technology application: Cost reduction of embankment erosion by 30%



DRAINAGE DITCHES AND WATERWAYS CONSTRUCTION, INFRASTRUCTURE DEVELOPMENT OF ZAPOLYARNOE OIL AND GAS CONDENSATE FIELD, 2000-2005

Customer (investor): PJSC Gazprom

Amount of work completed: more than 240 000 m²

Result of technology application: Embankment erosion prevention, cost reduction by 20% for the further operation





REINFORCEMENT OF WATER CIRCULATORS OVER THE PIPELINE, PIPELINE «ZAPOLYARNOE – URENGOY», 2005

Customer (investor): PJSC Gazprom

Amount of work completed: more than 300 000 m²

Result of technology application: Pipeline erosion prevention, cost reduction for the further operation by 50%



CULVERT HEADS REINFORCEMENT, TECHNOLOGICAL ROAD VILED-KORYAZHMA, GAS TRANSMISSION NETWORK «SRTO-TORZHOK», 2005

Customer (investor): PJSC Gazprom

Amount of work completed: more than 200 m²

Result of technology application: Embankment erosion prevention, cost reduction for the further operation by 20%



BANK PROTECTION, GAS TRANSMISSION NETWORK «ZAPOLYARNOE – URENGOY», 2005

Customer (investor): PJSC Gazprom

Amount of work completed: more than 70 000 m²

Result of technology application: Embankment erosion prevention, cost reduction for the further operation by 20%

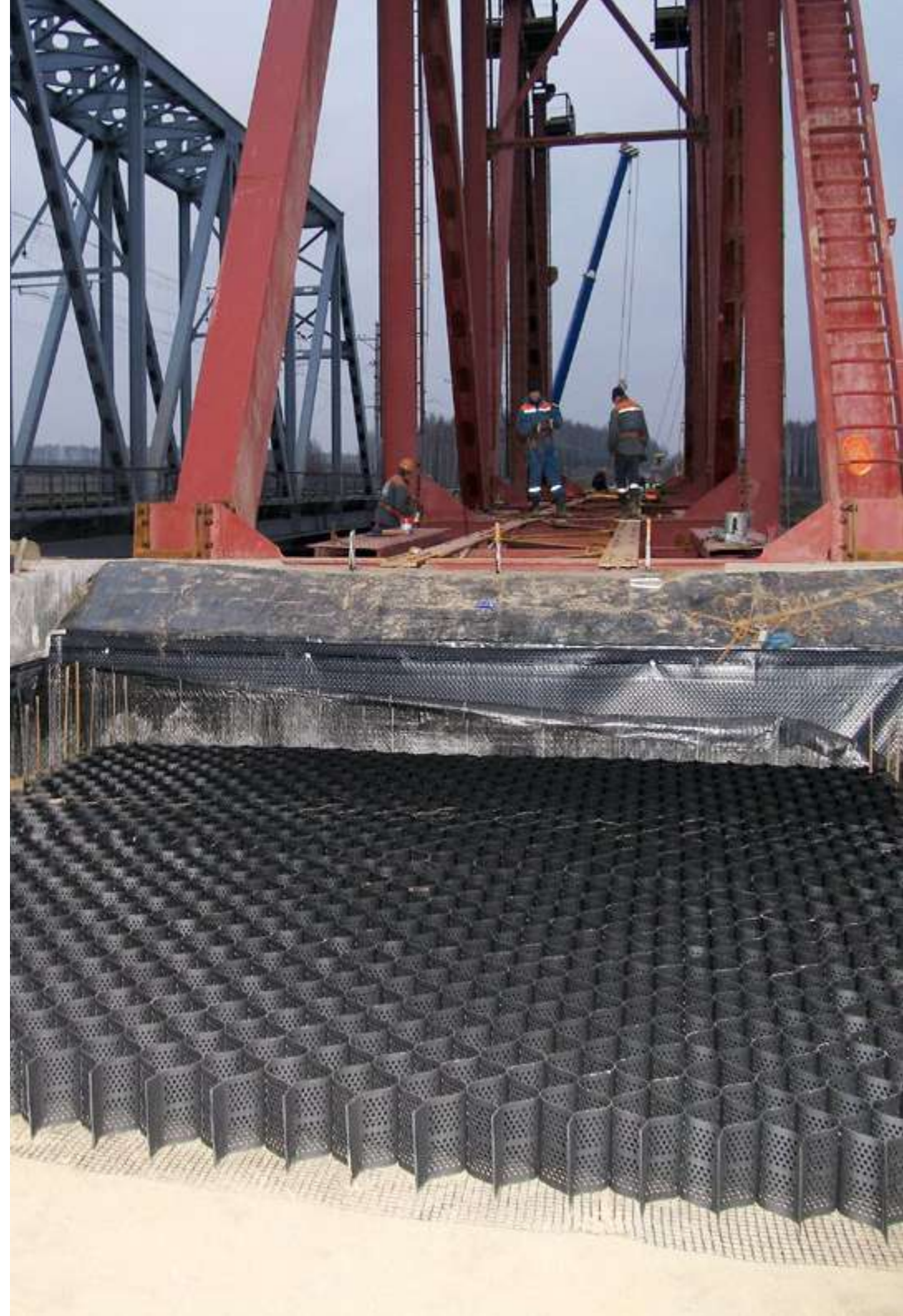


EMBANKMENT FILL ON THE WAY TO BRIDGES WITH HORIZONTAL AND VERTICAL REINFORCEMENT OF THE SUBGRADE, RECONSTRUCTION OF THE RAILWAY BRIDGE OVER THE TYSIA RIVER AT A SECTION «RYAZAN – KUSTAREVKA» OF MOSCOW RAILWAY (237 KM), 2006

Customer (investor): JSC Russian Railway

Amount of work completed: more than 10 000 m²

Result of technology application: Rolling stock traffic on the bridge without speed reduction, settlement reduction, acceleration of soil consolidation





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