

2018 ROEGD

Catalogue of the exhibition

**DEVELOPMENT OF THE OFFSHORE FIELDS:
EQUIPMENT & TECHNOLOGIES**



November 27–28, 2018, Gazprom VNIIGAZ LLC



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GAZPROM NEFT PJSC OFFSHORE DEVELOPMENT BLOCK

Gazprom Neft is a vertically integrated oil company, primarily engaged in oil and gas exploration and production, refining, and the production and sale of petroleum products. In terms of hydrocarbon production, Gazprom Neft is among the top three oil producers in the country.

Gazprom Neft implements mainland and offshore hydrocarbon production projects. The Company's key offshore asset currently is the Prirazlomnoye oil field in the Pechora Sea. The new type of Arctic oil produced from the Russian shelf by the Prirazlomnaya offshore ice-resistant platform is called ARCO (Arctic Oil). With the discovery of two major hydrocarbon fields "Neptune" and "Triton" in 2017–2018, the Company starts forming its second full-fledged oil-producing cluster – on the Sakhalin shelf.

Deputy CEO for Offshore Projects Development – Andrey Patrushev

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GAZPROM VNIIGAZ LLC

Gazprom VNIIGAZ LLC is Gazprom's principal R&D facility in the area of geology, fields development, study of petroleum reservoir systems, production, transportation, underground storage and processing of gas & condensate, hydrocarbon resources development at the continental shelf, environmental protection, unconventional gas resources development, industrial safety, advanced professional training.

The Institute implements scientific-technical policy and coordinates scientific studies in the area of development and designing technologies for gas industry, covering gas fields exploration and development; oil and gas offshore resources development; complex treatment and processing with separation of individual fractions among them nitrogen rejection and helium recovery, site treatment; standardization, designing and operation of gas transmission and underground gas storage systems; mathematical modeling and IT technologies; use of gas as motor fuel; environmental safety, energy efficiency and labor protection.

Currently Gazprom VNIIGAZ employs over 1390 specialists including 287 ScDs and PhDs, over 300 young scientists both in Moscow headquarters and in Ukhta branch. VNIIGAZ scientific and technical complex includes over 100 production and research laboratories, 65 experimental benches and installations, over 500 workstations with specialized software.

General Director – Maksim Nedzvetskiy

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GAZPROM STROYTEK SALAVAT

Gazprom StroyTEK Salavat is a manufacturer and integrated supplier of products to the objects of construction, repair and reconstruction of the unified gas supply system of PJSC Gazprom. Registrar of PJSC Gazprom specifications is a major federal resource research center having own facilities in 5 Russian regions, scientific background and a pilot-line production at Skolkovo Innovation Center.

The Company's portfolio includes ballasting units, pipes with concrete weight coating, tools for securing of pipelines, supporting and strengthening, pile structures, insulation, geosynthetics, coating systems, cathodic protection equipment, and other application-specific products.

The Company employs fully integrated production of polyethylene and industrial fabrics.

Sales territory and area of responsibility of Gazprom StroyTEK Salavat are the key objects of Russian gas transmission network: Power of Siberia, Nord Stream 2, Chayandinskoye oil, gas and condensate field, North-European gas pipeline, Bovanenkovo – Ukhta and Ukhta – Torzhok Gas pipeline system, Pochinki – Gryazovets gas pipeline, Zapolyarye – Urengoy, Urengoy – Surgut (II branch), Urengoy – PUR-PE (II branch), Amur GPP, Dzhubga – Lazarevskoye – Sochi gas pipeline, Chayandinskoye oil, gas and condensate field, gas supply to the Kamchatka Region, Sakhalin – Khabarovsk – Vladivostok gas pipeline, South Stream, as well as objects of repair and reconstruction of all the gas transmission providers.

General Director – Sergey Shtepa

Contacts:

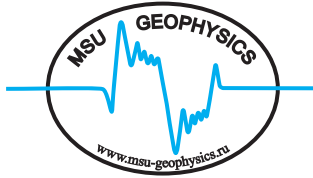
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«MSU-GEOPHYSICS» LLC

«MSU-geophysics» LLC has been engaged in the exploration of mineral resources and engineering-geological research since 2004. The company has more than 100 successfully completed projects. We are proud to highlight research experience in the conditions of Russian Arctic shelf. Our company has unique developments in the field of geological and geophysical studies in mapping permafrost inside the water areas of Pechora, Kara, Laptev of the East Siberian and Chukchi seas, both in summer (from the water area) and in winter (from the shore ice) periods.

From 2012 to 2018, numerous geophysical and geological surveys were carried out on permafrost mapping in order to select the optimal installation sites for the drilling platforms at the Kruzenshternsky, Leningradsky, Rusanovsky, Nyrmeyky, Skuratovsky, Belostrovsky and Hatangsky fields.

Our company's activity is targeted towards high quality service that satisfies needs and expectations of regular and potential customers. «MSU-geophysics» LLC is a member of SRO in the field of engineering surveys and it constantly works to improve the quality of management system that meets the requirements of GOST R ISO 9001-2015.

We offer services in engineering-geological, engineering-geophysical and engineering-geotechnical studies on both land and water areas of the Russian shelf.

General Director – Andrey Koshurnikov

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PIPELINE SYSTEMS & TECHNOLOGIES

PIPELINE SYSTEMS & TECHNOLOGIES, CJSC

Main activity of the company is manufacture and supply of corrosion protection equipment for steel pipelines and structures, underwater and shore facilities. Main types of products supplied are:

- Insulating monolithic joints;
- Corrosion monitoring systems;
- Compact cathodic protection systems;
- Test stations and resistance control units;
- Induced AC/DC protection devices;
- Reference electrodes;
- Anodes;
- Marker plates;
- Spark gap monitor modules;
- Systems of pipeline strain control and ground movement control.

General Director – Dmitry Zakharov

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JSC OCEANOS

JSC OCEANOS was founded in Saint Petersburg in 2003 as an independent private company specializing in subsea engineering and providing complete solutions in underwater technology including subsea oceanology, oceanography, salvage & rescue and diving operations.

Oceanos major activity - the innovative development of marine robotics of a wide range of tasks:

- autonomous underwater vehicles – subsea gliders;
- autonomous underwater vehicles (AUVs);
- underwater electrical manipulators;
- subsea nodes;
- remotely operated vehicles (ROVs).

The company has more than 200 successfully executed Government contracts, including ones based on Oceanos intellectual property results.

General Director – Elena Ivanova

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NORTH SEA

The Company has always been, and still is, in touch with its customers while expanding and improving its product selection which includes patent-protected OSR solutions and small vessels. We are proud of the outstanding safety, reliability, and flexibility of our products. Our company's environmental management system is certified to ISO 14001-2007 Environmental Management and GOST R 54934-2012 Occupational Health and Safety systems. Moreover, Quality Management System is certified under international ISO 9001-2011 (ISO 9001:2008) and Russian Maritime Shipping and River Register certificates.

Among our tailored OSR boom containments, one may find a solution that would fit perfectly into any environment, be it a dam lake, a backwater, a river or port waters. Our solutions can be applied to anything such as temporary booms around bulk-oil carriers whether loaded or unloaded ones. The booms may come accompanied with a range of anchoring and towing gear, storage cartridges, and spools. Boom carriers, layers, and contained oil skimmers are also available. Although extensive, our OSR product range would not be complete without oil-containment sorbents and booms for shorelines, closed water bodies, TPP outlet headers, vessel decks, and other areas of applications. And so we have completed it. Apart from dedicated OSR-vessels (boom layers), OOO North Sea builds crafts and motor boats both for search-and-rescue operations or patrol duties and leisure activities that may be employed on rivers, lakes, and near shores.

Kasatka-2M (named Argonaut for private customers) and Aphalina vessels have been successfully serving their duties at Russian State Agencies (EMERCOM, Home Affairs, Security Service) for many years.

CEO – Olga Odarenko

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«ТЕПЛОВЫЕ СИСТЕМЫ» LLC

The leading Russian manufacturing and engineering company which is included in the Group of Companies (GK «Teplovye Systemy») founded in 2007. Company is specialized in the design, production, supply, and installation of electrical heating systems, «turnkey» solutions, starting from the development of design estimates to the installation and further service of these systems at the facilities.

The production capacities of «Teplovye Systemy» LLC are equipped with modern high-tech equipment, which allows us to produce a wide range of high-quality heating cables that correspond the highest requirements.

Moreover, the production capacities allow to produce main elements of the cable electrical heating systems: junction boxes, control cabinets, fixing fittings.

Products permitted for use in hazardous areas is carried out under own trademark TS-HEAT.

Our products have successfully passed all the necessary tests, has certificates for explosion protection, the maritime register, and is also included in the register of certified and accredited suppliers of many oil and gas companies, including GAZPROM PJSC.

The number of employees in the Group of companies «Teplovye Systemy» is 119 people. For installation works on objects, if it is necessary the quantity can be increased up to 600 people.

General Director – Vadim Dultsev

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LLC «CHROMOS»

Chromos is one of the leading Russian manufacturers of chromatographs, laboratory and process analytical equipment supplied to Russian and foreign enterprises. PRIVATE LABEL (Xpomo) since 2000.

Brief information:

- Production area: 6000 m² (2019 –10000 m²).
- The number of the company is more than 175 people.
- In the property: 2 production buildings, 2 office and industrial buildings, 2 office and exhibition grounds.
- Own production of electronics and software. A large fleet of metal working machines (Finn Power), turning and milling site HAAS (USA).
- The production is located 450 km from Moscow (Nizhny Novgorod region, Dzerzhinsk).
- Central office in Moscow (business center «Neo Geo»).

Activities:

- Manufacture of chromatographs (laboratory gas, laboratory liquid, process).
- Design and construction of laboratory buildings.
- Complex equipment of laboratories.
- Manufacture of laboratory furniture.
- Mobile laboratories.
- Gas Quality Measurement Boxes.
- Gas sampling and sample preparation systems.
- Training.

General Director – Andrey Pakhomov

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**LMSU
MRC**

MARINE RESEARCH CENTER AT LOMONOSOV MOSCOW STATE UNIVERSITY (MRC LMSU) LLC

LLC LMSU MRC is a research and engineering company focused on marine research for oil and gas sector. We offer a wide range of services to efficiently manage offshore observations: from comprehensive ocean shelf surveys to assessing economic activity environmental footprints. We focus on environmental surveys of the Arctic and Far East seas and coastal areas. The Russian oil and gas extraction license terms require ongoing environment monitoring as offshore oil and gas facilities are designed, constructed, operated, and decommissioned. Baseline and production environmental monitoring is used to preserve biological diversity and bioresources. It includes regular and comprehensive environment observations. LMSU MRC experts assess the site and forecast any possible environment changes that may be caused by surveying, oil and gas extraction activities. The obtained data help identify and avoid any negative impact on the environment, and also help predict the site evolution, and develop specific measures to prevent or minimize negative impact on the ecosystem. For several years the MRC, LMSU experts have been providing environmental monitoring of the Russian offshore projects in the Arctic and Far East regions. The company has all the necessary instruments and a number of innovative processes for marine geophysical, geological, and environmental surveys in harsh Arctic conditions. MRC LMSU possesses all the necessary licenses to perform a full range of marine and offshore research; we are also fully aware of the corresponding legislation. We are your reliable and professional partner. We have advanced research facilities and extensive experience with environmental observation in the Arctic and the Far East.

General Director – Dmitry Korost

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ANGS, LLC

Being a Sakhalin region industry leader, the Company provides integrated package of services in terms of engineering, production and operations, performing with the objective of meeting the needs in oil and gas, power engineering and industrial sectors of economy.

Range of services:

- Full range of construction works in oil and gas industry.
- Maintenance and modification for offshore and onshore facilities.
- Fabrication, assembling and installation structures, tanks and pipe spool from carbon, stainless, duplex and super duplex types of steel, titanium and aluminum.
- Blasting, application of any paint coatings, metallized and fire-proof coatings and thermal spaying.
- All kinds of non-destructive examination.
- Hydrotesting of fabricated items.
- Purchasing and supply service.
- Post-welding heat treatment.
- Detailed drawings development.

General Director – Alexey Gimbal

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LLC «COMPANY OILTEAM»

OILTEAM Company, LLC specializes in rendering field, analytical and educational services in the sphere of development and exploration of field both onshore and offshore. OILTEAM has many years of experience carrying out studies, tests and early production in the fields. Seeing our main task as to satisfy needs of subsoil users in complex solutions in the sphere of control and analysis of development of gas, gas condensate and oil fields at a high technological level, OILTEAM devotes much attention to developing service subdivisions. The company consists of the following subsidiaries: non-state educational institution Academy of Oil and Gas Engineering, Scientific technological center "STC OILTEAM" LLC, design bureau "OILTEAM Engineering", Research Center "RC GazInformPlast", Factory for manufacturing high technology oil and gas field equipment "OILTEAMMASH" LLC.

Executive Director – Nikolay Strizhov

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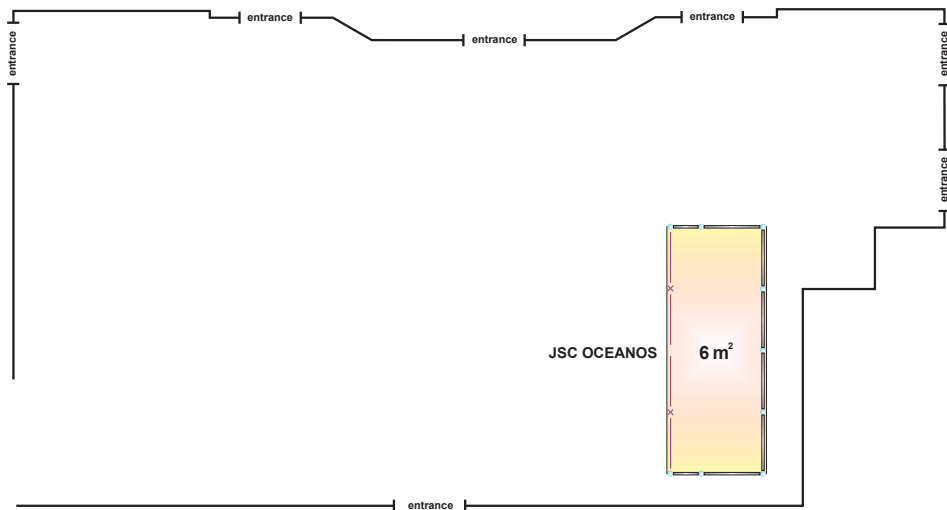
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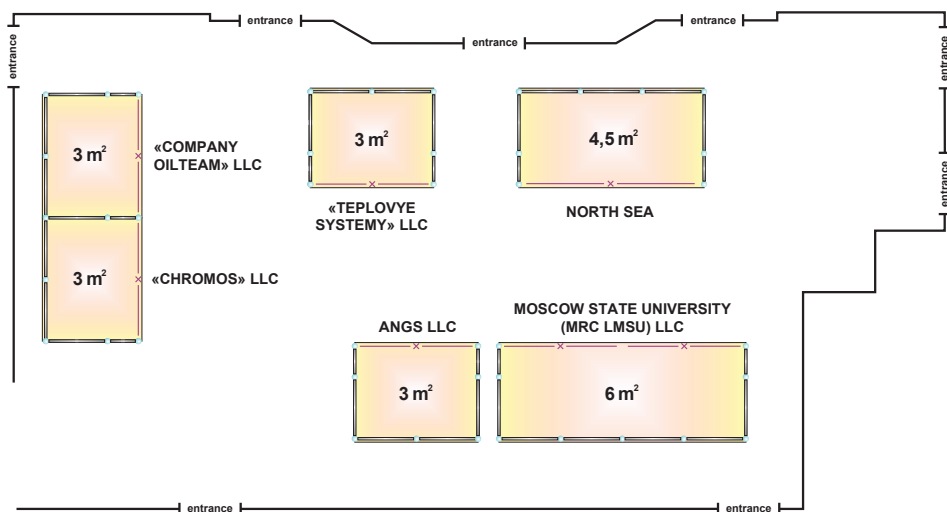
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<http://www.oilteam.ru>

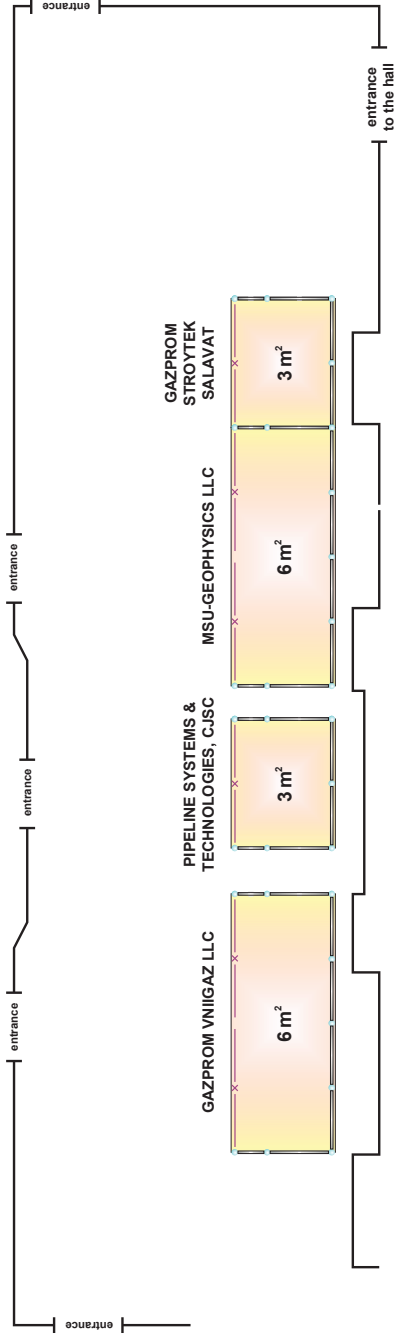
Section «E», 1st floor



Section «E», 2nd floor



Section «E», 3rd floor



Organizers



Participants of the exhibition



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