



EQUIPMENT AND MATERIALS
RESOURCES
PETON CONSTRUCTION LLC

GENERAL DATA

I FULL-SCALE COMMITMENT ENSURES THE SUCCESS

Integrated team, common objectives, effective solutions, shared area of responsibility.

PETON CONSTRUCTION LLC is part of process and engineering holding PETON. It performs a range of civil construction and erection works (civil and mechanical works) for oil and gas industry facilities.

The Company has its own advanced equipment and materials that ensure timely mobilization for implementation of projects of any complexity.



AVAILABILITY OF THE COMPANY'S OWN EQUIPMENT AND MATERIALS



Availability of the Company's own advanced equipment as follows:

- Cranes and motor vehicles including cranes of 100–300 ton lifting capacity, hoisting equipment – 140 units;
- welding machines – 484 units;
- electrical equipment, instruments – 313 units;
- Temporary buildings and structures – 454 units;
- Laboratory for metals testing and non-destructive examination (accredited by the Non-Destructive Examination System)

Package of required permits, certificates, licenses, organizational and technical availability reports

Advantages of own production resources:

- High mobility;
- Change management;
- Quality improvement;
- Possibility to implement large-scale EPC projects
- Cost saving.

MANPOWER

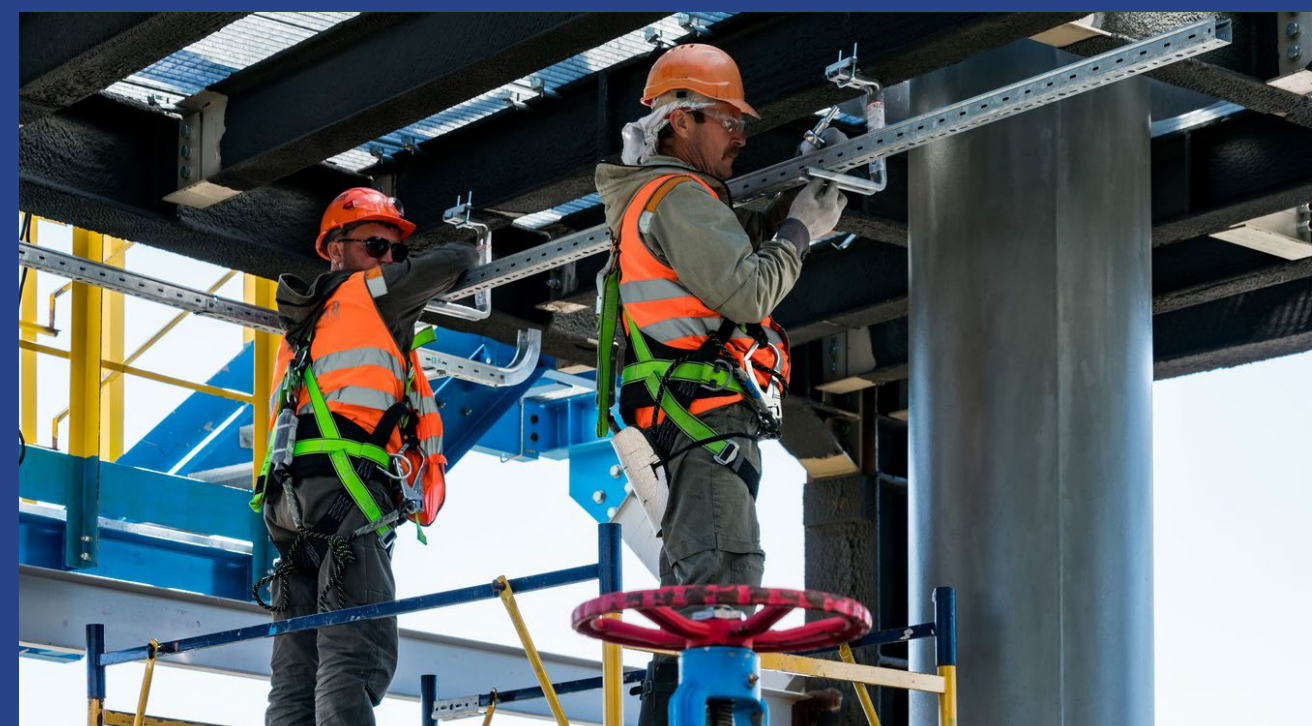
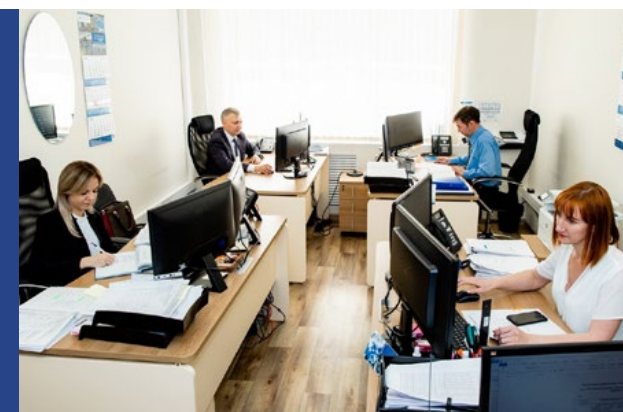
OUR EMPLOYEES ARE PROFESSIONALS WITH VAST EXPERIENCE IN PERFORMANCE OF CONSTRUCTION AND ERECTION WORKS FOR MAJOR OIL AND GAS PROJECTS

3109
EMPLOYEES

389
ENGINEERS
AND TECHNICIANS

2390
WORKERS

330
BACK OFFICE



EQUIPMENT

The Company has all lifting and transportation equipment required for performance of the entire scope of civil and mechanical works. The average age of the vehicles is maximum 3 years.

LIEBHERR LTM-1200-5.1 (of 200 t lifting capacity)



LIEBHERR LTM-1250-5.1 (of 250 t lifting capacity)



GOLDHOFER PSTES-E 24-48X16 (of 120 t lifting capacity)



LIEBHERR LTM-1300-6.2 (of 300 t lifting capacity)



HYDRAULIC MAN-LIFT (28 m)



TRUCK-MOUNTED CRANE (of 50 t lifting capacity)



EQUIPMENT

Passenger transport	Quantity
Minibuses (8 seats) Volkswagen Crafter, Hyundai Grand Starex	2
Buses (12–17 seats) Toyota Hiace, GAZ-322173, GAZ-322172, GAZ-A65K33	7
Buses (18–21 seats) Ford Transit, Mercedes-Benz 223237, GAZ-A63R342	10
Buses (31–45 seats) URAL-3255, KAVZ 4238-61, PAZ 4234-04, NEFAZ-5299	16
Cars (5 seats) Renault, Skoda, Toyota	12
Cars (5 seats) UAZ Patriot	12
Cargo-and-passenger transport	Quantity
Van GAZ-27057, UAZ-29891, UAZ-390935, UAZ-374195, UAZ-220695	6
Curtain-sided truck UAZ-390945	4
Cargo-and-passenger transport GAZ-3309D5, GAZ-2844V5, GAZ-28188, GAZ-A22K32, GAZ-3009Z7, UAZ-PICK-UP	17
Total: 86 	



EQUIPMENT

Passenger transport	Quantity
Truck-mounted crane Liebherr of lifting capacity: 200 t, 250 t, 300 t.	3
Mobile crane KS-55732 mounted on KAMAZ and URAL trucks with lifting capacity: 25 t.	11
Mobile crane KS-65717 mounted on KAMAZ truck with lifting capacity: 50 t.	4
Hydraulic man-lift PMS-328-01 mounted on URAL truck	4
Drop-side truck with loader crane mounted on URAL (ACB7721F4-20) and KAMAZ (780552) trucks	4
Loaders: Amkodor 352C and LG833B (front end shovel), JAC30 (front end fork lift), BOBCAT T130,60 (telehandler)	5
Dump-truck semi-trailer to haulage truck MAZ (TONAR / 29.1 t)	2
Semi-trailer to semi-tractor URAL ChMZAP-99064	1
Semi-trailer to semi-tractor URAL UST 94651 K	1
Semi-tractor MAZ-6430B9-1420-010 (15.45 t)	2
Semi-tractor with semi-trailer URAL-4320 (ACB7721H4-10)	1
Semi-tractor with loader crane and semi-trailer URAL-4320 (ACB7721H4-20)	1

Total: 39 



EQUIPMENT

Special-purpose machinery	Quantity
Concrete pump 58153 mounted on KAMAZ truck (32 m – 90 m³/h)	1
Concrete mixing truck 58146T mounted on KAMAZ truck (6 m³)	4
Ambulance GAZ-32217	1
Load-haul module GOLDHOFER (of 120 t lifting capacity)	4
Universal sweep truck URAL-54856	1
Trailer (tractor/truck type)	2
Special-purpose laboratory mounted on Ford Transit	2
Tank truck for water transportation MAZ-560361 (16 m³)	1
Fuelling truck (a tank of 5 300L)	2
Semi-trailer (a tank of 28 000 L, hazardous cargo)	2

Total: 20 



TEMPORARY BUILDINGS AND STRUCTURES

Tubular blanks workshops



TEMPORARY BUILDINGS AND STRUCTURES

454 units of temporary buildings and structures for arrangement of life support systems at construction sites



Elkomix-135 concrete batching plant



Description, type	Quantity	Year of manufacture
Residential premises		
Type B hangar heated/unheated 30x48 m	2	2018
Type B hangar heated/unheated 26.5x48 m	2	2018
Span structure called 'Tajpan'	1	2017
Inspection platform	2	2017
Containerized laboratory building	1	2017
Containerized shelter building for tank storage	1	2017
Administration and service building	1	2017
Bath facilities	3	2010
Shop premises	10	2010
Containerized portable cabin (WC)	18	2018
Heated porta-potty	10	2018
Container	84	2010
Mobile building "Raduga"	7	2010
Van 'Sever'	3	2010
Amenity mobile house (skid type)	6	2010
Amenity mobile house	7	2010
Mobile building "Comfort S"	96	2010
Sea transportation container	10	2010
Mobile building "Yekaterina"	12	2010
Mobile building "Gzhat"	2	2010
Mobile building "Kedr-38.3"	2	2010
Mobile building "Kedr-12"	1	2010
'Universal' module	4	2010



Description, type	Quantity	Year of manufacture
Warehouse premises		
Container	21	2010
Mobile building "Raduga"	3	2010
Mobile building "Comfort S"	8	2010
Accommodation premises		
Containerized building (400 people)	2	2018
Containerized building (300 people)	2	2018
Mobile building "Yekaterina" for 8 persons	13	2010
Mobile building "Yermak" for 8 persons	14	2010
Mobile building "Kedr-10" for 4 persons	6	2010
Mobile building "Kedr-4" for 8 persons	1	2010
Mobile building "Yekaterina" for 4 persons	3	2010
Mobile building "Comfort S" for 4 persons	18	2010
Mobile building "Comfort S" for 8 persons	45	2010
Mobile building "Dormitory" for 8 persons	7	2010
Canteen premises		
Containerized building (250 people)	3	2019
Mobile building "Comfort S"	6	2010
Mobile building "Yekaterina"	3	2010
Containerized building for 28 persons	1	2017
Construction supervision & control buildings		
Containerized building 10x12 m	1	2018
Containerized building 10x7.5 m	1	2018
Containerized module building	6	2018
Frame panel building	1	2017
Frame panel structure 12x24 m	2	2017
Pneumatic frame and arch structure	1	2017
Mobile building	1	2010

Total:

454



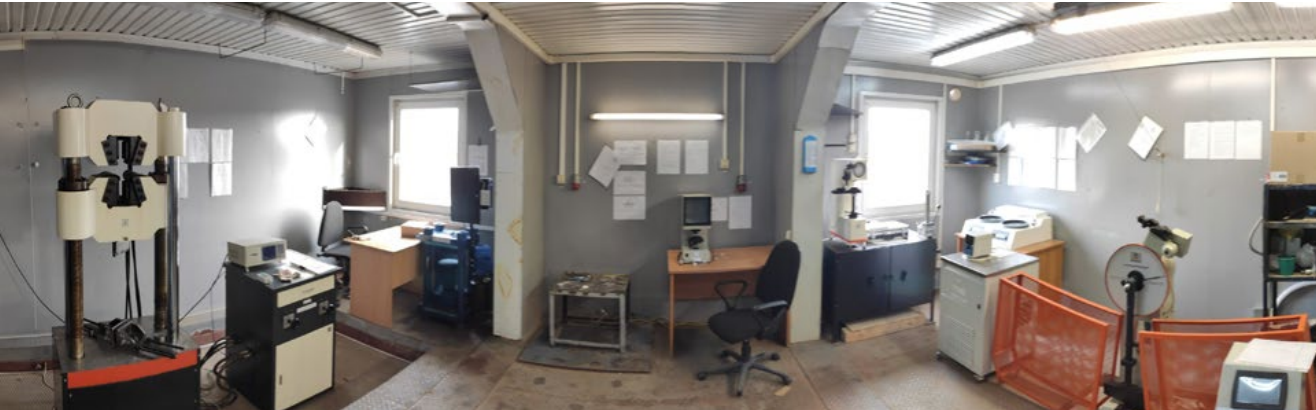
LABORATORY FOR METALS TESTING AND WELD NON-DESTRUCTIVE EXAMINATION

- Laboratory for metals testing and weld non-destructive examination was accredited by the Non-Destructive Examination System in 2017 (certificate No. 05A11056).
- Main activities: visual and dimensional inspection, X-ray testing, ultrasonic testing and thickness measurement, penetrant non-destructive testing, and insulation testing.
- The laboratory is fully outfitted with equipment for non-destructive testing within the scope of accreditation. The equipment includes X-ray machines PION 2M, ARINA-7, ARINA-9, ARSENAL 200PS, ultrasonic detectors A1212 MASTER and A1208, insulation testing instruments KORONA 2.2, etc.
- Mechanical and construction testing divisions are equipped with state-of-the-art and high-tech equipment that allows performing the entire range of tests under the scope of accreditation.
- In December 2018, the laboratory for metals testing and weld non-destructive examination was accredited (certificate No. ИЛ/ЛРИ-01073) for:
 - Destructive testing for mechanical static tensile and bending testing of weld joints, mechanical and dynamic impact testing, hardness measurements, corrosion resistance studies, studies of materials structure and determination of elements content in metals and weld joints;
 - Construction testing for performing tests of construction materials and structures, soils, sand, and crushed rock, concrete mixtures and grouts, concrete and reinforced concrete products.



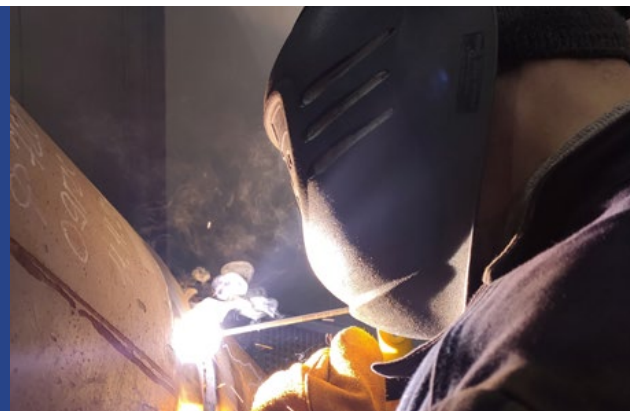
LABORATORY FOR METALS TESTING AND WELD NON-DESTRUCTIVE EXAMINATION

Type, make, characteristics, capacity	Quantity	Year of manufacture
X-ray machines		
X-ray machine Arina-7	3	2017
X-ray machine Pion-2M	10	2017
X-ray machine Pion-2MM	1	2017
X-ray machine Arsenal-200PS	1	2017
X-ray machine Arsenal-200PS	2	2018
X-ray machine Arina-7	1	2018
X-ray machine Arina-9	2	2018
X-ray machine Pion-2M	8	2018
X-ray machine Pion-2MM	1	2018
X-ray machine Pion-2M	8	2019
X-ray machine Arina-9	3	2019
X-ray machine 0,3 SBK 200 SP	2	2019
X-ray machine Site-X	1	2019
Film processing machines		
Film processing machine Colenta INDX 900E	2	2018
Holiday detectors		
Holiday detector "Korona 2.2"	2	2018
Adhesion testers		
Adhesion tester AMTs 2-20	1	2018
Thickness gauges		
Ultrasonic thickness gauge A1208	1	2018
Coating thickness gauge MT-2007	2	2018



LABORATORY FOR METALS TESTING AND WELD NON-DESTRUCTIVE EXAMINATION

Type, make, characteristics, capacity	Quantity	Year of manufacture
Ultrasonic detectors		
Ultrasonic detector A1212 "Master"	1	2018
Hydraulic testing machines		
Hydraulic testing press TP-I-1500	1	2017
Testing machine MATEST	1	2018
Small-size multi-purpose testing machine for 500 kN VM-3.4.1.U	1	2018
Testing machine RGM-600-1	1	2017
Compaction devices		
Compaction measuring device PSU-PA-2	1	2018
Hygrometers		
Moisture analyser ML-50	1	2018
Digital hygrometer MG4-3	1	2018
Furnaces		
Muffle-type furnace SNOL 7,2/900	1	2018
Low temperature laboratory electric furnace SNOL 58/350	1	2019
Laboratory chamber-type electric resistance furnace SNOL 6/10-V	1	2019
Drying cabinets		
Drying cabinet SNOL 58/350	3	2018
Density gauges		
Multi-purpose dynamic density gauge DPG-1.2	4	2017
Digital dynamic density gauge PDU-MG4 "Udar"	1	2018
Dynamic density gauge D-51	1	2018
Digital density gauge HMP PDG	1	2018
Cylinder-type densimeter PBD-KM	1	2018
Static density gauge SPG-1M	10	2017



LABORATORY FOR METALS TESTING AND WELD NON-DESTRUCTIVE EXAMINATION

Type, make, characteristics, capacity	Quantity	Year of manufacture
Concrete strength tester		
Concrete strength tester IPS-MG4.01	1	2018
Concrete strength tester ONIX-2.6 based on edge shear cut method	1	2018
Concrete strength tester ONIX-1.SR.030 based on edge shear cut method	1	2018
Concrete strength tester POS50-MG4 "SKOL" based on separation with shear cutting method	1	2018
Ultrasonic detectors for concrete		
Ultrasonic instrument Pulsar 2.2, version 3	1	2018
Heating and cooling moisture chamber for normal hardening		
Moisture chamber for normal hardening for 42 samples KNT-1	2	2017
Multi-purpose steam-out chamber KUP-1	1	2018
Heating and cooling chamber KTKh	1	2018
Water tightness testing unit		
Concrete water tightness testing unit UVB-MG4	1	2018
Liquid-type cryothermostat		
Liquid-type cryothermostat LOIP FT-316-25 (TZh-TS-01/16K-20)	1	2018
Liquid-type cryothermostat LOIP FT-311-80	1	2017
Impact pendulum-type testing machines		
Impact pendulum-type testing machine KM-300M	1	2017
X-ray fluorescence spectrometers		
X-ray fluorescence spectrometer Niton XL2	2	2017
Hardness testing machines		
Portable ultrasonic hardness testing machine TKM-459S	2	2017
Hardness testing machine ITBRV-187,5M	1	2017
Ferrite meters		
Ferrite meter MK-1.2F	1	2017



LABORATORY FOR METALS TESTING
AND WELD NON-DESTRUCTIVE EXAMINATION

Type, make, characteristics, capacity	Quantity	Year of manufacture
Projection optical device for impact testing		
Projection optical device Charpy PSh-50	1	2017
X-ray fluorescence analyser		
X-ray fluorescence analyser X-MET8000	1	2019
Machine for sample pressing		
Machine for bitumen-concrete mixtures samples pressing	1	2018
Temperature controller		
Temperature controller TR 400	1	2018
Viscometer		
Engler viscometer VU-M-PKhP	1	2019
Testing sieve		
Testing sieve AS-200U	1	2019
Total:		108



WELDING EQUIPMENT

Type, make, characteristics, capacity	Quantity	Year of manufacture
Denyo-DCW-480ESW	32	2017
Denyo-DLW-300LS	1	2017
Power generator with welding function HUTER GF109-6500LXW-097	1	2018
Plasma arc cutting machine Barracuda RTC 150 compressor C415M1	3	2018
Inverter REHM Booster 210	27	2018
Manual TIG welding machine REHM Tiger 210DC	1	2018
Plasma arc cutting machine REHM Barracuda RTC 151	3	2018
Manual TIG welding machine REHM Tiger 230DC	2	2018
Manual SMAW welding machine MINARCTIG EVO 200 MLP	20	2018
Welding inverter ARC 250 KEDR	4	2018
Semi-automatic welding machine Lincoln Invertec V 350PRO	8	2017
Manual TIG welding machine Invertec V270-TP	59	2017
Manual TIG welding machine KEMPPI Minarctig 250 MLP	3	2017
Welding inverter TIG-200PN Kedr	20	2017
Manual TIG welding machine KEMPPI Minarctig 250	113	2017
Manual TIG welding machine Invertec 300TPX	34	2017
Semi-automatic welding machine Kemppe MinarcMig EVO 170	6	2017
SMAW machine Z211S(Z211S) "SVAROG"	1	2017





Type, make, characteristics, capacity	Quantity	Year of manufacture
Welding package OKA	2	2018
Welding package Orbitec OSK 115S	1	2018
Welding package Orbitec Tetrix 200	1	2018
Welding machine VD-306.01 KEDR	2	2018
Semi-automatic welding machine REHM MEGA.ARC 250-4	8	2018
Wire feeder LINC FEED 37	8	2018
SMAW welding machine Lincoln Invertext 270	115	2018
Welding machine REHM INVERTEG.PRO 350 AC/DC digital COMPACT	1	2018
Welding machine RESANTA SAI 220	2	2018
SMAW welding machine Minarc Evo 180	6	2018
Total:		484



Type, make, characteristics, capacity	Quantity	Year of manufacture
Semi-automatic bandsawing machine VEKA-MAK BMSY 810 S	1	2018
Machine for pipe ends preparation PRO40PBS (200–1000 mm)	1	2018
Magnetic drilling machine MS 8+	4	2018
Roller-type rotating machine for welding M61040 for lengths of 2.5 m and 12 m	5	2018
Filling and testing unit ANO-161A	1	2018
Total:		12



ELECTRICAL EQUIPMENT




Type, make, characteristics, capacity	Quantity	Year of manufacture
Mobile power plants		
JCB 275 QS	5	2017
ED 2x200S-T400-2RTN	5	2018
ED 200+200-T400-1RN	5	2018
ED 200-T400-1RN	6	2018
ED 250-T400-1RN	2	2018
ED 300-T400-3RN	2	2018
SDMO J22	2	2018
SDMO J130K	2	2018
TSS AD-50S-T400-1RKM5	2	2018
DAEWOO, DDAE 6000XE-3	3	2018
RID 30 E-SERIES S	1	2018
JCB-140	2	2017
Lighting installations		
WACKER NEUSON LTN 6L	8	2017

ELECTRICAL EQUIPMENT


Type, make, characteristics, capacity	Quantity	Year of manufacture
Compressors		
Airman PDS390S-4B1	6	2017
Airman PDS750	4	2019
Airman PDS1200	1	2019
ATLAS COPCO-10	1	2017
ZIF-PV10/1,0	1	2017
ND 18/251	1	2017
Power-driven pumps		
Power-driven pump 16/18	4	2017
Power-driven pump 20/100	1	2017
Champion DTP81E	1	2017
Yanmar YDP30STN-3	2	2017



Type, make, characteristics, capacity	Quantity	Year of manufacture
Cable lines		
CL-0.4 kV (140 m/360 m/460 m)	3	2017
10 kV HV line of protected wire (feeder111/feeder209/feeder210/feeder212/vehicles and equipment site)	5	2017...2019
Packaged transformer substations		
KTPTAS-M-v/k-630/10/0,4	2	2018
KTPTAS-M-v/k-1000/10/0,4	9	2018
KTPTAS-M-v/k-400/10/0,4	2	2018
Heat treatment machines		
Post-weld heat treatment unit PT-150-12	2	2017
Post-weld heat treatment unit PT-12-1	2	2019
Liquid-fuel air heater		
Ballu	2	2018
Master 290	28	2019-2020
Master 690-691	1	2019-2020
Burners		
FGP 50/2(TC) (water heating for concrete batching plant Elkon)	2	2018
Total:		141 



INSTRUMENTS

Type, make, characteristics, capacity	Quantity	Year of manufacture
Weighing systems		
Truck balance	2	2018
Weighing system VSK-10000VD	2	2018
Weighing system VSP4-2000	2	2018
Crane balance KV-10 with RCP 280, 50 t	1	2018
Power custody metering station		
PKU-10-100	1	2018
Instruments		
Thermal-imaging IR temperature gauge TG	1	2018
Clamp-on ammeters M266	2	2018
Megaohmmeters	2	2018
Power metering unit	2	2018
Switch board ShR 11-73506-54 UZ	6	2018
Thickness gauge "Konstanta K5"	1	2018
Digital tester of torque wrenches DREMOTEST E9-320	1	2018
Petroleum products quality analyser SHATOX SX-300	2	2018
Digital levelling instrument SOKKIA SDL1X	2	2018
Optic-based mechanical levelling instrument VEGA, V20, V40	4	2018
Levelling rod	9	2018
Electronic tachymeter Sokkia	6	2018
Optical-reading theodolite	2	2018
Satellite-based survey instruments TOPCON GR-5	2	2018
Total:		50 

MAJOR PROJECTS

LNG PRODUCTION, STORAGE AND OFFLOADING FACILITY AT PORTOVAYA COMPRESSION STATION

Location:

Vyborg district of Leningrad Region of Russia, in the Dalnyaya bay dock area

Scope of work

- Civil works
- Steel structures erection
- Installation of process equipment
- Installation of process piping
- Full scope of testing works
- Special works

Figures and Highlights

Building area is 49 927 m²
61 ea. Buildings and Structures

Installed:

31,948 tons of steel structures
93,713 m of process piping
232 ea. of process equipment installed

Mobilized (peak number):

4 408 employees
550 units of vehicles and machinery



CONDENSATE STABILIZATION UNIT FOR ACHIMOV FORMATION OF NADYM-PUR-TAZ REGION

Location:

Novy Urengoy

Scope of work

- Civil works
- Steel structures erection
- Installation of process equipment
- Installation of process piping
- Full scope of testing works
- Special works

Figures and Highlights

Building area is 55 522 m²
133 ea. Buildings and Structures

Installed:

19,908 tons of steel structures
205,217 m of process piping
1 362 ea. of process equipment installed

Mobilized (peak number):

1 162 employees
253 units of vehicles and machinery



DEETHANIZATION GASES TREATMENT UNIT / BOOSTER COMPRESSOR STATION

Location:

Plant for Condensate Pre-Treatment for Transportation, Novy Urengoy

Scope of work

- Civil works
- Steel structures erection
- Installation of process equipment
- Installation of process piping
- Full scope of testing works
- Special works

Figures and Highlights

Building area is 79 999 m²
65 ea. Buildings and Structures

Installed:

9 232 t of steel structures
60,002 m of process piping
1582 ea. of process equipment installed

Mobilized (peak number):

887 employees
91 units of vehicles and machinery



SAFETY FIRST!

PETON CONSTRUCTION IS A SOCIALLY RESPONSIBLE COMPANY

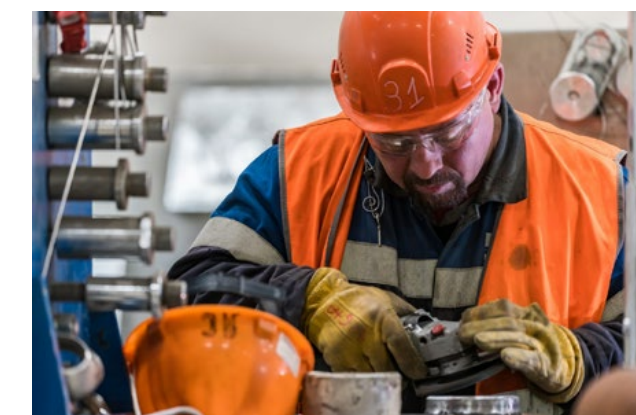
Occupational health and safety is the priority. The Company maintains environmental protection management and efficient use of resources.

Safety First!

Occupational health and safety forms the basis for all the activities of the Company and is focused on ensuring health, safety, and performance capabilities of its employees.

Participation in skills competitions and professional events

Peton Construction is a regular participant of the "Best Professional" review contest of professional skills. Contest organizer is the Ministry of Industry and Innovation Policy of the Republic of Bashkortostan.



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