

## REFERENCE LIST

REFERENCE LIST OF LLC "SCIENTIFIC ENGINEERING CENTRE"				
№	Client	Object	Type of work	Year of implementation
1	PJSC «NKNH» Divinyl & Hydrocarbon Feed Plant	workshop №1417 Start-up works of gas analysis system	Start-up works of gas analysis system, equipment delivery	2018-2019
2	PJSC «NKNH» Synthetic Rubber Plant	workshop №1507 Automated Control System of gas analysis devices SDVK	Start-up works, equipment delivery	2018-2019
3	PJSC «NKNH» Divinyl & Hydrocarbon Feed Plant	workshop №1421 – gas analysis system of signalling devices SVK-3M	Construction and installation works, start-up works, equipment delivery	2018-2019
4	PJSC «NKNH» Divinyl & Hydrocarbon Feed Plant	workshop № 1422 – truck loading rack	Construction and installation works, start-up works, equipment delivery	2018-2019
5	PJSC «NKNH» Divinyl & Hydrocarbon Feed Plant	workshop №1430 – gas analysis system	Construction and installation works, start-up works, equipment delivery	2018-2019
6	PJSC «NKNH» Divinyl & Hydrocarbon Feed Plant	workshop №1425 – railcar loading rack	Construction and installation works, start-up works, equipment delivery	2018-2019
7	PJSC «NKNH» Synthetic Rubber Plant	workshop №1510 and workshop №1531 control equipment	Construction and installation works, start-up works, equipment delivery	2019
8	PJSC «NKNH» Iso-prene Monomer Plant	workshop №1825 – heat supply, heating and ventilation automation system	Start-up works, equipment delivery	2019
9	PJSC «NKNH» Styrene & Polyether Resin Plant	workshop №2506 overhaul of instrumentation and control equipment, control and emergency shutdown systems	overhaul of instrumentation and control equipment, control and emergency shutdown systems, equipment delivery	2019
10	PJSC «NKNH» Butyl Rubber Plant	workshop №1309 replacement of the gas contamination system	Start-up works	2019
11	PJSC «NKNH» Oligomer Plant	MPEG production, fire alarm	Start-up works	2019
12	PJSC «NKNH» Polyclinic building	automatic control system of ventilating equipment	Start-up works	2018

13	PJSC «NKNH» Styrene & Polyether Resin Plant	workshop №2505 overhaul of instrumentation and control equipment	Construction and installation works, start-up works	2018
14	PJSC «NKNH» Styrene & Polyether Resin Plant	workshop №2505 overhaul of instrumentation and control equipment	Construction and installation works, start-up works	2019
15	LLC «Gamma Additiv»	«Gamma Additiv» unit	Designing, start-up works, construction and installation works of instrumentation and control equipment	2019-2020
16	LLC «Spetsprommontazh»	Title 1030/1 "Intermediate diesel fuel park". Taneco Oil Refining and Petrochemical Complex	Construction and installation works, start-up works, equipment delivery	2020-2021
17	LLC «Orgneftekhim Holding»	Implementation of AS-DUE (automated dispatch control system for power supply) Middle Distillates Hydrotreating Unit with a feed capacity of 3.7 MTPA including integration into the existing Emergency Control Automatics of Taneco Oil Refining and Petrochemical Complex	Designing	2019-2020
18	LLC «Orgneftekhim Holding»	Implementation of AS-TUE (automated system of technical accounting of energy resources) Middle Distillates Hydrotreating Unit with a feed capacity of 3.7 MTPA including integration into the existing Emergency Control Automatics of Taneco Oil Refining and Petrochemical Complex	Designing	2019-2020

19	LLC «Orgneftekhim Holding»	Implementation of SITEO (system of interfaces for technological electric power equipment) Middle Distillates Hydrotreating Unit with a feed capacity of 3.7 MTPA including integration into the existing Emergency Control Automatics of Taneco Oil Refining and Petrochemical Complex	Designing	2019-2020
20	«Kuper Ltd.»		Delivery of “Metran” equipment	2019
21	LLC «Bona Fide Engineering»		Delivery of “Emerson” equipment	2020
22	LLC «INSIGHT EA»	Implementation of SMIS (Engineering Systems Monitoring) Middle Distillates Hydrotreating Unit with a feed capacity 3.7 MTPA including integration into the existing Emergency Control Automatics of Taneco Oil Refining and Petrochemical Complex	Designing	2020
23	LLC «ASP-AQUA»	Implementation of AS-TUE, ASDUE Chemical water treatment unit title 1121 at JSC «Taneco»	Designing, start-up works, construction and installation works on instrumentation and automation	2020
24	LLC «ASP-AQUA»	Implementation of AS-TUE, ASDUE Chemical water treatment unit title 1121 at JSC «Taneco»	Construction and installation works	2020-2021
25	LLC «Bona Fide Engineering»	Hydrogen production unit at JSC «Taneco»	Construction and installation works	2020
26	JSC «TAIF-NK»		Delivery of «Metran», «Emerson» equipments	2020-2021
27	JSC TATNEFT's Construction Projects Implementation Department (URPS)	Base oil production unit of Taneco Oil Refining and Petrochemical Complex	Start-up works	2020-2021

28	JSC TATNEFT's Construction Projects Implementation Department (URPS)		General agreement for supplying temperature sensors up to 2024	2018 to date
29	JSC «TAIF-NK»	Workshop № 04 of Gasoline Plant	Construction and installation works, start-up works of process control system, instrumentation and automation under the project «Installation of a redundant gas condensate flowmeter»	2020
30	JSC «TAIF-NK»	Workshop №№ 02, 07 of Gasoline Plant	Construction and installation works, start-up works, delivery of APCS, instrumentation equipment under the project «Retrofitting with automated control and leak detection systems of oil products and their vapors»	2020
31	JSC «TAIF-NK»	Workshop №№ 2, 12 HRCC (Heavy Residue Conversion Complex)	Construction and installation works, start-up works of process control system, instrumentation and automation "Workshop №2 Installation of the X-710 C / D condenser  Workshop №12 Activities on bringing to the requirements of industrial safety and occupational safety  Workshop №12 Technical re-equipment of the sour water filtration unit from tank E-607"	2020-2021
32	JSC «TAIF-NK»	Workshop № 12 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation  "Workshop № 12 Reconstruction of RD-601 A/B rotary dryers in hydraulic drive system of mechanical seals"	2020-2021

33	JSC «TAIF-NK»	Workshop № 01-31 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation "Workshop№01-31. Activities on bringing to the requirements of industrial safety Workshop № 01. Remanifolding and rewiring of instrumentation of tanks E-601,602,603,604,605"	2020-2021
34	JSC «TAIF-NK»	Workshop № 01 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation "Workshop №01. Replacement of E-602, E-604 cube outlet valves with Samson valves, laying of cable lines"	2020-2021
31	JSC «TAIF-NK»	Workshop №№ 2, 12 HRCC (Heavy Residue Conversion Complex)	Construction and installation works, start-up works of process control system, instrumentation and automation "Workshop №2 Installation of the X-710 C / D condenser Workshop №12 Activities on bringing to the requirements of industrial safety and occupational safety Workshop №12 Technical re-equipment of the sour water filtration unit from tank E-607"	2020-2021
32	JSC «TAIF-NK»	Workshop № 12 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation "Workshop № 12 Reconstruction of RD-601 A/B rotary dryers in hydraulic drive system of mechanical seals"	2020-2021

33	JSC «TAIF-NK»	Workshop № 01-31 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation "Workshop№01-31. Activities on bringing to the requirements of industrial safety Workshop № 01. Remanifolding and rewiring of instrumentation of tanks E-601,602,603,604,605"	2020-2021
34	JSC «TAIF-NK»	Workshop № 01 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation "Workshop №01. Replacement of E-602, E-604 cube outlet valves with Samson valves, laying of cable lines"	2020-2021
41	JSC "TAIF-NK"	Workshop № 12 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation «Workshop №12. Installation of valves for flushing XB-601»	2021 to date
42	JSC "TAIF-NK"	Workshop № 12 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation «Workshop 12. Installation of bulk flow sensors for unloading from RD-601A/B drum dryer»	2021 to date
43	JSC "TAIF-NK"	Workshop № 01 HRCC	«Workshop №01. Remanifolding and rewiring of instrumentation of tanks E-601,E- 602,E-603,E-604,E-605 (re-equipment of tanks E-602,E- 604,E-606A\B) in workshop №01 HRCC.	2021 to date

			Workshop 12. Installation of shut-off valves for the flushing lines in the E-606A/B»	
44	JSC "TAIF-NK"	Workshop № 01 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation  Workshop №01. Installation and piping of the pump H-701C for circulation of the bottom part of the tanks E-700A/B, E-701A/B	2021 to date
45	JSC "TAIF-NK"	Workshop № 01 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation  Workshop №02. Reinstallation of the hydrotreated vacuum gas oil line from T-201 to T-202 with the addition of a control valve	2021 to date
46	JSC "TAIF-NK"	Workshop № 01 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation  «Workshop №01. installation of pressure sensors on the discharge of high pressure pumps in workshop №01 HRCC.	2021 to date
47	JSC "TAIF-NK"	Workshop № 01 HRCC	Construction and installation works, start-up works on process control system, instrumentation and automation  «Workshop №01. Installation of the E-605 pumping line into the circulation manifold with the addition of a control valve in workshop №01 HRCC»	2021 to date

48	JSC "TAIF-NK"	Workshop № 02 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation «Workshop №02. Implementation of the <b>ATS</b> system on pumps H-208A /B»	2021 to date
49	JSC "TAIF-NK"	Workshop № 02 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation «Workshop №02. Installation of an oxygen sensor on the helmet line K-201»	2021 to date
50	JSC "TAIF-NK"	Workshop № 05 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation «Workshop № 05. Technical re-equipment of the unloading line from pumps H-108 A / B / C of condensate cleaning unit»	2021 to date
51	JSC "TAIF-NK"	Workshop № 12 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation «Workshop №12. Installation of valves for flushing XB-601»	2021 to date
52	JSC "TAIF-NK"	Workshop № 12 HRCC	Construction and installation works, start-up works of process control system, instrumentation and automation «Workshop 12. Installation of bulk flow sensors for unloading from RD-601A/B drum dryer»	2021 to date
47	JSC "TAIF-NK"	Workshop № 01 HRCC	Construction and installation works, start-up works on process control system, instrumentation and automation	2021 to date



			«Workshop №01. Installation of the E-605 pump- ing line into the circulation manifold with the addition of a control valve in workshop №01 HRCC»	
48	JSC "TAIF-NK"	Workshop № 02 HRCC	Construction and installation works, start-up works of pro- cess control system, instrumen- tation and automation  «Workshop №02. Implementa- tion of the <b>ATS</b> system on pumps H-208A /B»	2021 to date
49	JSC "TAIF-NK"	Workshop № 02 HRCC	Construction and installation works, start-up works of pro- cess control system, instrumen- tation and automation  «Workshop №02. Installation of an oxygen sensor on the hel- met line K-201»	2021 to date
50	JSC "TAIF-NK"	Workshop № 05 HRCC	Construction and installation works, start-up works of pro- cess control system, instru- mentation and automation  «Workshop № 05. Technical re-equipment of the unloading line from pumps H-108 A / B / C of condensate cleaning unit»	2021 to date
51	JSC "TAIF-NK"	Workshop № 12 HRCC	Construction and installation works, start-up works of pro- cess control system, instru- mentation and automation  «Workshop №12. Installation of valves for flushing XB-601»	2021 to date
52	JSC "TAIF-NK"	Workshop № 12 HRCC	Construction and installation works, start-up works of pro- cess control system, instru- mentation and automation	2021 to date

			«Workshop 12. Installation of bulk flow sensors for unloading from RD-601A/B drum dryer»	
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Генеральный директор

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