

Reference list of R&D Center "Ahmadullins – Science & Technology"

NO	CONTRACT	CUSTOMER, ADDRESS	TITLE, A BRIEF DESCRIPTION OF THE PROJECT AND/OR OBJECT	TECHNICAL DESCRIPTION OF THE WORK PERFORMED	ADDRESS OF THE OBJECT OF THE EXECUTED WORKS	CUSTOMER REPRESENTATIVE, FULL NAME, POSITION, CONTACTS
1	12-01/09/HHOCO 90042 Dated Jan.31,2009	LUKOIL-NGNOS, LLC Promzona, Kstovo city, Nizhniy Novgorod region, Russian Federation, 606200	Supply of <i>KSM catalyst</i> for mercaptide saturated alkaline solution regeneration	11.5 m ³ of KSM catalyst were supplied to LUKOIL-NGNOS LLC	LUKOIL-NGNOS, LLC Promzona, Kstovo city, Nizhniy Novgorod region, Russian Federation, 606200	Chief Technologist of LUKOIL-NGNOS, LLC Chief Technologist, German G. Vasilev +7(83145) 5-30-82
2	12-02/10/HHOC1 00238 Dated Mar. 31, 2010	LUKOIL-NGNOS, LLC Promzona, Kstovo city, Nizhniy Novgorod region, Russian Federation, 606200	Designer's technical supervision at commissioning of butane fraction (<i>BF</i>) sweetening unit at AGFU, with regeneration of alkali in the presence of KSM catalyst	Start-up of <i>BF</i> sweetening unit with oxidative regeneration of alkaline solution in the presence of KSM catalyst, results achieved: residual content of mercaptan sulfur less than 5 ppmw and total sulfur less than 10 ppm	LUKOIL-NGNOS, LLC Promzona, Kstovo city, Nizhniy Novgorod region, Russian Federation, 606200	Chief Technologist of LUKOIL-NGNOS, LLC Chief Technologist, German G. Vasilev +7(83145) 5-30-82
3	12-07/09-1 Dated Feb.09, 2010	RBC-Holding, LLC Building 2, 39, Nizhnyaya Krasnoselskaya str., Moscow, 105066	Basic Design for the reconstruction of PPBBF sweetening block of MTBE Unit in order to increase the plant capacity Slavneft – YaNOS, OJSC	Basic Design was issued for the reconstruction of PPBBF Unit with the use of improved KSM-X catalyst	Slavneft - YaNOS, OJSC 130, Moscow ave., Yaroslavl, Russian Federation, 150000	Chief Technologist of RBC-Holding, LLC Sergey G. Dvornikov +7(495)954-35-28
4	12-05/10/ No65-1447/10 Dated Aug.18, 2010	TAIF-NK, OJSC Promzona, Nizhnekamsk, Tatarstan, Russian	Consulting at commissioning PPBBF sweetening block with KSM catalyst	Recommendations are given for alkali regeneration block in order to replace homogeneous catalyst - IVKAZ to heterogeneous KSM catalyst	Gasoline production plant of TAIF-NK OJSC Promzona,	Director of Gasoline production Plant at TAIF-NK OJSC ILSHAT. G. Fatykhov

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		Federation, 423570			Nizhnekamsk, Tatarstan, Russian Federation, 423570	+7(8555)38-17-47
5	12-6/10 Dated Sep.27, 2010	KEDR-89, LLC - Scientific and Production Company Building 1, 67, Izmaylovsky boulevard, Moscow, 105077	Basic Design for liquefied gasessweetening of saturated and unsaturated sections at 'ROSNEFT-SyzranRefinery' OJSC	Basic Design was issued for liquefied gases sweetening from mercaptans at 'ROSNEFT-Syzran Refinery' OJSC.	'ROSNEFT-Syzran Refinery' OJSC 1, Astrakhanskayastr., Syzran, Samara region, Russian Federation, 446009	General Director of 'KEDR-89' LLC - Scientific and Production Company Yuriy N. Lebedev +7(495)465-01-59
6	02Д00584/11 Dated Oct. 24, 2011,	Slavneft-YaNOS, OJSC 130, Moscowave., Yaroslavl, Russian Federation, 150000	Manufacturing and supply of KSM-X catalyst according to Technical Specification 2175-043-02069639-2003 for regeneration of mercaptide containing alkaline solution at reconstructed PPBBF sweetening block	15 m ³ of heterogeneous KSM-X catalystwere manufactured and supplied	'Slavneft - YaNOS'OJSC 130, Moscowave., Yaroslavl, Russian Federation, 150000	Equipment and General affairs Director at 'Slavneft - YaNOS',OJSC Vladimir F. Zhelyazkov +7(4852)44-03-43
7	12-3 Dated Feb. 17, 2012	ORLEN Lietuva 75, Majeikiustr., Juodeikiai, Majeikiai district, Lithuania, LT-89467	Manufacturing and supply of KSM catalyst according to Technical Specification 2175-043-02069639-2003 in order to replace former KS-2 catalyst for BBF sweetening	12 m ³ of KSM catalyst for BBF sweeteneing block were manufactured and supplied to replace KS-2 catalyst that was used for 15 years	'ORLEN Lietuva' 75, Majeikiustr., Juodeikiai, Majeikiai district, Lithuania, LT-89467	First deputy General director of 'ORLEN Lietuva' VictorasVasilavichus Тел.+370 443 92627 Факс +370 443 92625
8	12-4 /018-0661/12 Dated Mar. 21, 2012	TAIF-NK OJSC Promzona, Nizhnekamsk city, Tatarstan, Rus-	Manufacturing and supply of KSM-X catalyst for alkali regeneration at PPBBF sweetening block	50% of usedKSM catalyst were replaced by KSM-X catalyst which is resistant to amines present in the regenerated alkaline solution	'TAIF-NK'OJSC Promzona, Nizhnekamsk city,	Director of Gasoline production Plant atTAIF-NK OJSC ILSHAT G. Fatykhov

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		sian Federation, 423570			Tatarstan, Russian Federation, 423570	+7(8555)38-17-47
9	12-41 СП Dated Aug. 01, 2012	PKIVokenergomash, LLC 11, Pamirskaya str., Nizhniy Novgorod, Russian Federation	Basic Design for of alkaline solution concentration and airpurification from CO ₂	Basic Design was issued for alkaline solution concentration and airpurification from CO ₂	'TAIF-NK'OJSC Promzona, Nizhnekamsk, Tatarstan, Russian Federation, 423570	Director of Gasoline production Plant at TAIF-NK OJSC ILSHAT G. Fatykhov +7(8555)38-17-47
10	12-6/10 Dated May 12, 2012	NEFTEKHIM-PROEKT CJSC 22, 5 ^{-taya} Krasnoarmeyskaya str., St-Petersburg, Russian Federation	Basic Design for liquefied gases sweetening at 'GazpromNeft-Moscow Refinery'OJSC	Basic Design was issued for sweetening liquefied gases at HFC-2 with the following regeneration of mercaptides saturated alkaline solution in the presence of KSM-X catalyst	'Gazpromneft-Moscow Refinery'OJSC Building 3, 1, 2 nd quarter, Kapotnya, Moscow	Director of 'NEFTEKHIMPROEKT CJSC' Moscow subsidiary Alexander V. Batslev +7(495)780-89-88
11	1277 Dated Dec. 12, 2012	Gazpromneft-MOR,OJSC Building 3, 1, 2 nd quarter, Kapotnya, Moscow	Providing a non-exclusive license to use the invention according to patent No.2173330 for purification of LPG at 100 th section of combined installation of oil refining (CIOR)	'DEMERUS' LPG demercaptanization-mercaptan removal technology. Registered in FIPS No. РД0119882 from Mar. 1, 2013	'Gazpromneft-Moscow Refinery' OJSC Building 3, 1, 2 nd quarter, Kapotnya, Moscow	General Director of 'Gazpromneft-Moscow Refinery' OJSC Ashot M. Yeguzariyan +7(495)734-92-00
12	1287 Dated Dec. 18, 2012	Gazpromneft-MOR,OJSC Building 3, 1, 2 nd quarter, Kapotnya, Moscow	Basic Design for liquefied gases sweetening at 'Gazprom Neft-Moscow Refinery' OJSC for section 100 of CIOR	Basic Design was issued for LPG sweetening block of the section 100 CDU-AVT-6 of CIOR	'Gazpromneft-Moscow Refinery' OJSC Building 3, 1, 2 nd quarter, Kapotnya, Moscow	Director of CIOR project office at 'Gazpromneft-Moscow Refinery' OJSC Alexander A. Meling +7(495)734-92-56
13	12-5/HHOC	LUKOIL-NGNOS,	Basic Design for sweetening of pro-	Basic Design was issued for propane-	'LUKOIL-NGNOS' LLC	Chief Technologist of

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	120634 Dated Jul. 06, 2012	LLC Promzona, Kstovo city, Nizhniy Novgorod region, Russian Federation, 606200	pane-propylene fraction from FCC catalytic cracking unit	propylene fraction sweetening block with alkaline regeneration in the presence of KSM-X catalyst	Promzona, Kstovo city, Nizhniy Novgorod region, Russian Federation, 606200	'LUKOIL-NGNOS' LLC German G. Vasilev +7(83145) 5-30-82
14	ПИР 437-12-2сп Dated Nov. 22, 2012	LUKOIL-NGNIINP, LLC 147a, Maxim Gorky str., Nizhniy Novgorod, Russian Federation	Basic Design for the reconstruction of butane fraction sweetening block of AGFU Unit at 'LUKOIL-NGNOS' LLC	Basic Design was issued for the reconstruction of butane fraction sweetening block in order to increase productivity by 40%	'LUKOIL-NGNOS' LLC Promzona, Kstovo city, Nizhniy Novgorod region, Russian Federation, 606200	General Director of 'LUKOIL-NGNOS' LLC Raushan G. Telyashov +7(8312)211-05-11
15	ПИР 437-12-2сп Dated Nov. 22, 2012	LUKOIL-NGNIINP, LLC 147a, Maxim Gorky str., Nizhniy Novgorod, Russian Federation	Basic Design for reconstruction of AGFU alkali regeneration block at 'LUKOIL-NGNOS' LLC in order to increase productivity by 40%	Basic Design was issued for the reconstruction of alkaline solution regeneration block at 'LUKOIL-NGNOS' LLC in order to increase productivity by 40%	'LUKOIL-NGNIINP' LLC 147a, Maxim Gorky str., Nizhniy Novgorod, Russian Federation	Chief Engineer of project 'LUKOIL-NGNIINP' LLC Sergey N. Pashkin +7(8312)211-05-11
16	ННОС 130577 Dated Oct. 16, 2013	LUKOIL-NGNOS, LLC Kstovo, Nizhniy Novgorod region, Russian Federation	Manufacturing and supply of KSM-X catalyst for the regeneration of mercaptide containing alkaline solution	KSM-X catalyst for regeneration of the alkaline solution with a high content of mercaptides was manufactured and delivered to replace KSM catalyst	'LUKOIL-NGNOS' LLC Kstovo, Nizhniy Novgorod region	Deputy Head of Logistics Department at 'LUKOIL-NGNOS' LLC V.L. Fedotov +7(83145)5-35-34

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17	GIS/AKM/006/14 Dated Jan. 23, 2014	Global Industrial Solutions (GIS) Company P.O. 71955, Qifan 13413, Kuwait	Basic Design for kerosene deodorization mobile block	Basic Design was issued for the kerosene and diesel fractions deodorization mobile block with the use of heterogeneous KSM catalyst	International Station for Manufacturing of Refining, Factory No.52, building No. 656, road 16, 616 complex, Street Um Al Saad, Bahrain.	Mr. Essam Moustafa, General Manager, Mobile: 0097335121443, Mr. Mahmoud Abdullah Farag, phone: 0097339955001
18	GIS/AKM/007/14 Dated Jan. 23, 2014	Global Industrial Solutions (GIS) Company P.O. 71955, Qifan 13413, Kuwait	Manufacturing and supply of KSM catalyst for mobile deodorization unit	1.6 m ³ of KSM catalyst were manufactured and supplied to Bahrain for kerosene treatment process from mercaptans	International Station for Manufacturing of Refining, Factory No.52, building No. 656, road 16, 616 complex, Street Um Al Saad, Bahrain.	Mr. Essam Moustafa, General Manager, Mobile: 0097335121443, Mr. Mahmoud Abdullah Farag, phone: 0097339955001
19	MH3-14/00000/00537/P/012 Dated Jul. 01, 2014	Gazpromneft-MOR, OJSC Building 3, 1, 2 nd quarter, Kapotnya, Moscow	Manufacturing and supply of KSM catalyst for regeneration of mercaptide containing alkaline solution	KSM catalyst was manufactured and supplied for alkaline solution regeneration at HFC-2	'Gazpromneft-Moscow Refinery' OJSC Building 3, 1, 2 nd quarter, Kapotnya, Moscow	General Director of 'Gazpromneft-Moscow Refinery' OJSC Ashot M. Yeguzariyan +7 (495)734-92-00
20	12-07/14/HHOC140999 Dated Aug.21,2014	LUKOIL-NGNOS, LLC Kstovo, Nizhniy Novgorod region, Russian Federation	Consulting at start-up of BF sweetening block with KSM-X catalyst	Start-up of BF sweetening unit with oxidative regeneration of alkaline solution in the presence of KSM-X catalyst, results achieved: residual content of mercaptan sulfur less than 5 ppmw and total sulfur less than 10 ppm	'LUKOIL-NGNOS' LLC Kstovo, Nizhniy Novgorod region	Deputy Head of Logistics Department of 'LUKOIL-NGNOS' LLC V.L. Fedotov +7(83145)5-35-34

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21	12-3/14 Dated Aug. 22, 2014	KONAR, CJSC 4-B, Lenin ave., Chelyabinsk city, Russian Federation, 454085	Basic Design for liquefied gases sweetening for Flexicoking unit, section- 5000 at 'RN-Tuapse Refinery LLC	Basic Design was issued for liquefied gases sweetening block with the following alkaline regeneration in the presence of KSM-X catalyst- Flexicoking unit section- 5000	'RN-Tuapse Refinery' LLC 1, Sochinskaya str., Tuapse city, Krasnodar region, Russian Federation, 352800	First Deputy of General Director at 'KONAR' CJSC E. I. Soshnikov erdalion@konar.ru
22	MH3-14/07000/00 787/P/058 Dated Sep. 01, 2014	Gazpromneft-MOR, OJSC Building 3, 1, 2 nd quarter, Kapotnya, Moscow	Basic Design for liquefied gases sweetening for Flexicoking unit section- 250 at 'GazpromNeft-Moscow Refinery' OJSC	Basic Design was issued for liquefied gases sweetening block with the following alkaline regeneration in the presence of KSM-X catalyst - Flexicoking unit section - 250	'Gazpromneft-Moscow Refinery' OJSC Building 3, 1, 2 nd quarter, Kapotnya, Moscow	General Director of 'Gazpromneft-Moscow Refinery' OJSC Ashot M. Yeguzariyan +7 (495)734-92-00
23	MH3-14/09000/00 929/P/026 Dated Oct.01,2014	Gazpromneft-MOR, OJSC Building 3, 1, 2 nd quarter, Kapotnya	Consulting at start-up of LPG sweetening block with KSM-X catalyst	Start-up of LPG sweetening block with oxidative regeneration of alkaline solution in the presence of KSM-X catalyst	'Gazpromneft-Moscow Refinery' OJSC Building 3, 1, 2 nd quarter, Kapotnya, Moscow	General Director of 'Gazpromneft-Moscow Refinery' OJSC Ashot M. Yeguzariyan +7 (495)734-92-00
24	12-9/15/БНФ/Л/31/972/15/П РЧ Dated 06.03.2015 Mar. 06, 2015	BASHNEFT, JSOC	Providing a non-exclusive license to use the invention according to patents No. 2173330 & 2529500 for sweetening LPG from Coking Unit - 2000 at JSC "BASHNEFT"	License Registered in FIPS No. РД0176783 from July. 10, 2015	"BASHNEFT" JSOC branch office "Bashneft-Ufaneftekhim" 450077, Russia, Ufa, Karl Marx Str. 30, b.1	Director of the Department of management of refining and petrochemical program modernization at ANK "Bashneft" JSC Bedarev D.V. (495) 228-22-00
25	MH3-15/07000/00 211/P/066 Dated	Gazpromneft-MOR, OJSC Building 3, 1, 2 nd quarter, Kapot-	Basic Design for liquefied gases sweetening for section 400 of CIOR at 'Gazprom Neft-Moscow Refinery' OJSC	Basic Design was issued for LPG sweetening block of section 100 at CDU-AVT-6 of CIOR	'Gazpromneft-Moscow Refinery' OJSC Building 3, 1, 2 nd	General Director of 'Gazpromneft-Moscow Refinery' OJSC Ashot M. Yeguzariyan

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	13.03.2015 Mar. 13, 2015	nya			quarter, Kapotnya	+7 (495)734-92-00
26	Purchase order no. HS15-PR-1358 Dated 09.04.2015 Apr. 09, 2015	Amec Foster Wheeler plc	Basic Design for sweetening of liquefied gases from Coking Unit - 2000 at "BASHNEFT" JSC including COS removing	Basic Design was issued for liquefied gases sweetening block with the following alkaline regeneration in the presence of KSM-X catalyst including COS removing	525 N. Dairy Ashford Houston, Tx, USA	Project Manager Rowland Xavier Johnson D +1 713 929 5369 M +1 832 499 9804
27	018-12/3/15-1782/15 Dated 03.09.2015	TAIF-NK OJSC Promzona, Nizhnekamsk city, Tatarstan, Russian Federation, 423570	Manufacturing and supply of KSM-X catalyst for alkali regeneration at PPBBF sweetening block	50% of used KSM catalyst were replaced by KSM-X catalyst which is resistant to amines present in the regenerated alkaline solution	'TAIF-NK'OJSC Promzona, Nizhnekamsk city, Tatarstan, Russian Federation, 423570	Director of Gasoline production Plant at TAIF-NK OJSC ILSHAT G. Fatykhov +7(8555)38-17-47
28	БНФ/п/31/70 1/16/MTC Dated 15.02.2016	BASHNEFT, JSOC	Manufacturing and supply of KSM-X catalyst for alkali regeneration at BBF sweetening block	Used KSM catalyst were replaced by KSM-X catalyst	"BASHNEFT" JSOC branch office "Bashneft-Ufaneftekhim" 450077, Russia, Ufa, Karl Marx Str. 30, b.1	Director of the Department of management of refining and petrochemical program modernization at ANK "Bashneft" JSC Bedarev D.V. (495) 228-22-00
29	MH3-16/00000/00 377/P/012 Dated 16.05.2016	Gazpromneft-MOR, OJSC Building 3, 1, 2 nd quarter, Kapotnya	Manufacturing and supply of KSM-X catalyst for alkali regeneration at BBF sweetening block	Used KSM catalyst were replaced by KSM-X catalyst	'Gazpromneft-Moscow Refinery'OJSC Building 3, 1, 2 nd quarter, Kapotnya	General Director of "Gazpromneft-Moscow Refinery" OJSC Ashot M. Yeguzariyan +7 (495)734-92-00

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30	12-2406/16 Dated 24.06.2016	JSC "ION-EXCHANGE TECHNOLOGY"	Basic Design for oxidation of mixed wastewaters at "Tomskneftekhim" by LOCOS technology"	Basic Design was issued for oxidation of mixed wastewaters at "Tomskneftekhim" by LOCOS technology"	JSC "ION-EXCHANGE TECHNOLOGY" Moscow, Barclay st., b.6/5	General Director of JSC "ION-EXCHANGE TECHNOLOGY" Kopitin Yu.A. (495)627-57-59
31	02Д00087/17 Dated 27.12.2016	Slavneft-YaNOS, OJSC 130, Moscowave., Yaroslavl, Russian Federation, 150000	Manufacturing and supply of KSM-X catalyst for regeneration of mercaptide containing alkaline solution at PPBBF sweetening block	1.5 ton of heterogeneous KSM-X catalyst were manufactured and supplied	'Slavneft - YaNOS'OJSC 130, Moscowave., Yaroslavl, Russian Federation, 150000	Equipment and General affairs Director at 'Slavneft - YaNOS', OJSC Vladimir F. Zhelyazkov +7(4852)44-03-43
32	12-3/16/HHOC 170033 Dated 28.12.2016	LUKOIL-NNOS, LLC Kstovo, Nizhniy Novgorod region, Russian Federation	Basic Design for sweetening of liquefied gases from Coking Unit including COS removing	Basic Design was issued for liquefied gases sweetening block with the following alkaline regeneration in the presence of KSM-X catalyst including COS removing	'LUKOIL-NNOS' LLC Kstovo, Nizhniy Novgorod region	General Director of the project 'LUKOIL-NNOS' LLC Kovalenko I.A. (8442)96-31-72
33	12-2/17 Dated 17.01.2017	Mr. Mustafa Mohammed Saqi	Author's supervision services for start-up procedures of the Unit of White Spirit Treatment from Mercaptans and Acid Impurities	Start-up of White Spirit Treatment from Mercaptans and Acid Impurities	Industrial Zone of Kirkuk, No. 81213	Director, Mr. Mustafa Mohammed Saqi +9647721479292