



Research & Design Institute of Urea (НИИХ)

REFERENCE LIST
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CONTENTS

EPC/Turnkey projects	3
DESIGN ENGINEERING	3
Production complexes	3
Ammonia production units	5
Nitric acid production units	6
Methanol production units	6
Urea production units	7
Melamine production units	13
Hydrogen production units	13
Ammonium nitrate production units	14
Other production units and infrastructure facilities	14
Storage and logistic facilities	18
PRE-DESIGN SERVICES	19
PROCESS INSPECTIONS & SCIENTIFIC ENGINEERING	24
TECHNICAL DIAGNOSTICS & EQUIPMENT REPAIR SERVICES	27
EQUIPMENT SUPPLY	46
For production complexes	46
For ammonia production units	46
For nitric acid production units	46
For urea production units	46
For ammonium nitrate production unit	49
For storages	49
For other facilities	49
For equipment repair works	50

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
EPC/TURNKEY PROJECTS			
PJSC Metafrax, Gubakha, Russia	Ammonia-urea-melamine complex	Construction of OSBL facilities on a turn-key basis (project documentation and detail design, equipment supply, construction and installation, commissioning works)	2016-2021
JSC Apatit Cherepovets, Russia	UKL-7-76M production of non-concentrated nitric acid with a capacity of 135 000 MTPY	Turnkey construction (project documentation and detailed design documentation, equipment supply, construction and installation, commissioning works)	2017-2020
JSC PhosAgro, Cherepovets, Russia Mitsubishi Heavy Industries, Japan	Ammonia production unit AM-3 (capacity 2200 TPD)	Turn-key project for construction of a new analytical laboratory of ammonia production unit	2016-2017
JSC Ammoni, Mendeleevsk, the Republic of Tatarstan, Russia	Ammonia-methanol-urea complex	Construction of OSBL facilities on a turn-key basis (project documentation and detailed design documentation, equipment supply, construction and installation, commissioning works)	2010-2015
JSC Zavolzhsky Motorny Zavod, Zavolzhye, Russia	Construction of testing station for diesel engines	Construction Turnkey project	2009
JSC Zavolzhsky Motorny Zavod, Zavolzhye, Russia	Revamp of sulphuric acid storage	Revamp Turnkey project	2006-2007
	Petrol storage unit	Construction Turnkey project	2006
JSC Nizhegorodsky Machinostroitelny Zavod, Russia	Revamp of chlorine storage unit and chlorinator	Revamp Turnkey project	2006-2007
DESIGN ENGINEERING			
PRODUCTION COMPLEXES			
Not specified under the terms of confidentiality	Ammonia-Urea complex	Adaptation of Licensors' Basic Engineering Packages to Russian norms and standards	2020
Not disclosed (Confidential Information)	Ammonia-Urea Complex	Adaptation of licensor's basic engineering package to Russian norms and regulations	2020



CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
China National Chemical Engineering Co. (CNCEC), Ltd., China (Shchekinoazot site)	Ammonia-Urea Complex	Adaptation of the Licensors' BEPs to RF norms and regulations Project documentation for the complex (ISBL/ OSBL facilities)	2019 - 2021
		Adaptation of detail design documentation developed by Customer to RF norms and regulations	2022
		Repeated Project documentation	2024
		Field supervision and technical assistance	present time
PJSC Metafrax, Gubakha, Russia, Casale S.A., Switzerland	Ammonia-Urea-Melamine Complex	BEP for OSBL facilities (Melamine-2 unit) Correction of BEP for prilling tower with capacity 1150 TPD at operation of Melamine-2 unit	2018 - 2019
PJSC Metafrax, Gubakha, Russia	Ammonia-urea-melamine complex	Detail design for site arrangement Adaptation of Licensor's BEP to RF norms and regulations Project documentation for the complex (ISBL/OSBL) Construction of OSBL facilities on a turn-key basis (detail design, equipment supply, construction and installation, commissioning works)	2016 - 2021
PJSC Metafrax, Gubakha, Russia Casale S.A., Switzerland	Ammonia-urea-melamine complex	BEP for OSBL facilities and prilling tower Detail design (ISBL facilities' architectural and civil documentation)	
JSC Ammoni, Mendeleevsk, Tatarstan, Russia	Ammonia-methanol-urea complex	Project documentation for the complex (ISBL/OSBL) Construction of OSBL facilities on a turn- key basis (detail design, equipment supply, construction and installation, commissioning works)	2010-2015
Ammoni, Mendeleevsk, the Republic of Tatarstan, Russia Mitsubishi Heavy Industries, Ltd. (MHI), Japan	Ammonia-methanol-urea complex	Adaptation of licensor's documentation on ISBL facilities to RF norms and regulations Detail design (architectural and civil documentation for urea production unit ISBL facilities)	

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
		Licenser's equipment certification for ISBL facilities	
ICM, Saint-Petersburg, Russia	Ammonia-urea complex (Vistino, Kingisepp, Leningrad region)	Adaptation of BEP/FEED licensor's documentation to RF norms and Regulations Project documentation (ISBL/OSBL)	2013-2015
AMMONIA			
JSC NAK Azot, Novomoskovsk, Russia	Construction of isothermal storage for liquid ammonia with capacity 10,000 tons	Main technical solutions development	2023
Giammarco Vetrocoke Srl, Italy	Technical upgrade of CO ₂ removal section (ammonia production unit designed by TEC) aimed at capacity increase up to 2000 TPD at Perm mineral fertilizer site.	Project documentation	2018 - 2019
Haldor Topsoe (HTAS), Denmark	Ammonia unit revamp aimed at capacity increase up to 2000 TPD at Uralchem site (Kirovo-Chepetsk, Kirov region)	Adaptation of Licensor's BEP to RF norms and regulations Project documentation including documentation for CO ₂ removal section	2015 -2017
JSC Tulagiprochem, Tula, Russia	Ammonia production unit and liquid ammonia storage unit (Kingisepp ammonia unit)	Project documentation for OSBL facilities	2014-2015
JSC PhosAgro, Cherepovets, Russia	Ammonia production unit AM-3 (capacity 2200 TPD)	Adaptation of licenser's Basic engineering package to Russian norms and regulations Project Documentation	2013-2017
JSC PhosAgro, Cherepovets, Russia	Ammonia production unit AM-3 (capacity 2200 TPD)	Detailed design (architectural and civil parts)	2014-2017
Mitsubishi Heavy Industries, Japan		Turn-key project for construction of a new analytical laboratory for ammonia production unit	2016-2017
Linde Engineering RUS LTD (representative office of LINDE AG, Germany)	Ammonia production unit	Adaptation of licenser's BEP to RF norms and regulations Project documentation Detailed design documentation	2013-2017
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia	Commercial grade aqua ammonia production unit (unit No.11)	Project documentation Detailed design documentation	2013-2014



CUSTOMER	PROJECT	NIIK SCOPE OF SERVICES	YEAR
NITRIC ACID			
Apatit JSC (JSC PhosAgro), Cherepovets, Russia	UKL-7-76M production of non-concentrated nitric acid with a capacity of 135 000 mtpy	Turnkey construction (design and detailed design documentation, equipment supply, construction and installation, commissioning)	2017-2020
METHANOL			
“GPN-Razvitie” Ltd., Saint-Petersburg, Russia	Gas Chemical Complex for production of methanol	Technical assistance Project documentation audit	2022-2023
Not specified under the terms of confidentiality	Methanol unit. (Kingisepp). Water treatment unit	Project documentation	2022
Not specified under the terms of confidentiality	Methanol unit	Adaptation of the Licensor's FEED package to RF norms and regulations Development of FEED parts in the scope of the civil part and the HVAC system Project documentation	2020-2021
Hyundai Engineering Co., Ltd. (HEC)	Methanol unit	Adaptation of the Licensor's FEED package to RF norms and regulations	2019-2021
GTM 1, Volgograd, Russia	Methanol unit	Adaptation of the Licensor's FEED package to RF norms and regulations Project documentation	2019 – 2023
PJSC Metafrax, Gubakha, Russia	Technical upgrade of methanol production unit (integration within an ammonia-methanol-urea complex)	Detailed design documentation	2019
JSC Technolizing, Skovorodino, Russia	Methanol production unit with capacity 3000 TPD	Adaptation of licensor’s basic engineering package to Russian norms and regulations	2018 – 2020
		Assistance of engineering surveys	2018 – 2021
		Engineering & Consulting services on organizational issues related to public hearings preparation	2021
		Consulting services on construction issues	2022
PJSC Nizhnekamskneftekhim, Nizhnekamsk, Tatarstan	Methanol production unit with capacity 500 000 TPY	Adaptation of Licensor’s BEP to RF norms and regulations Project documentation	2021



CUSTOMER	PROJECT	NIIK SCOPE OF SERVICES	YEAR
Metafrax, Gubakha, Russia, Casale SA, Switzerland	Technical upgrade of Methanol production unit including integration to ammonia-urea-methanol complex	Adaptation of licensor's basic engineering package to Russian norms and regulations Detailed design of civil part	2018 - 2020
JSC ShchekinoAzot, Shchekino, Russia	Methanol production unit with capacity 500 000 TPY	Adaptation of licensor's basic engineering package to Russian norms and regulations Project documentation Detailed design documentation	2018 – 2021
		Field supervision	2019-2022
Baltic Gas Chemical Company, Saint-Petersburg, Russia	Baltic methanol production unit	Adaptation of licensor's basic engineering package to Russian norms and regulations Project documentation Detailed design documentation	2015 - 2021
UREA			
Not specified under the terms of confidentiality	Urea Plant technical upgrade	EP-contract	2024 – Present time
Not specified under the terms of confidentiality	Urea Plant technical upgrade in order to switch to 2-year non-stop operation	Project Documentation (TX (process) part) Detailed design documentation	2024 – Present time
PJSC KuibyshevAzot, Togliatti, Russia	Urea Unit No. 4 technical upgrade in order to improve product quality and stabilize the operation of the pre-evaporation stage and evaporation units	Detailed design documentation Passing Industrial Safety Expertise	2024 – Present time
AO Farg'onaazot, Republic of Uzbekistan (Indorama Corporation Pte. Ltd)	Revamp of the urea plant with capacity increase up to 1500 TPD with possible integration into construction of melamine unit	BEP	2024 – Present time
PJSC Azotremmash, Togliatti	Manufacturing of urea condenser tube bundle item 11-E-5A	Detailed construction documentation (RKD) Technical assistance of manufacturing	2023-2024
Not specified under the terms of confidentiality	4 Urea Units revamp in order to increase capacity to MTPD 3100 and to provide common synthesis section	Main technical solutions development Project documentation Detailed design documentation	2023-2024

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
		Equipment design documentation License for the set of internals Technical assistance at procurement and manufacturing of equipment Technical assistance for construction and installation works	2024 – Present time
PJSC KuibyshevAzot, Togliatti, Russia	Urea unit No.4. Technical upgrade of the compressor station in the synthesis and distillation building. CO2 compressor unit.	Engineering geological surveys Inspection of civil structures for building 652 Detailed design documentation (partially)	2021-2023
JSC OKHK UralChem, Branch Azot, Berezniki, Russia	Technical upgrade of the synthesis column for urea production	Detailed design documentation	2020 - 2021
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (EuroChem)	Technical upgrade of the evaporation unit of unit No. 2-a of urea unit	Detailed design documentation	2020 - 2021
Novomoskovsk-Remstroiservis LLC, Novomoskovsk, Russia	Modernization of the pre-decomposition unit item 11-E-2A in the urea unit No. 3 (train 1) of NAK Azot JSC	Detailed design documentation	2020
ООО TECNIMONT RUSSIA, PJSC KuibyshevAzot	Urea production unit	Detailed design documentation (civil, electrical, HVAC sections) Adaptation of detail design to RF norms and regulations	2022
PJSC KuibyshevAzot, Togliatti, Russia	Technical upgrade of urea unit No.4	Project documentation Detailed design documentation	2018 - 2019
Novgorodsky GIAP, Veliky Novgorod, Russia	Revamp of Urea unit No.6 aimed at capacity increase to 2050 TPD (PJSC Acron site)	Main technical solutions development Project documentation Detailed design documentation	2021
	Urea granulation unit with capacity 2000 TPD (PJSC Acron site)	Project documentation Detailed design documentation	2018 - 2020
	Construction of urea production unit No.6 with capacity 600 TPD (PJSC Acron site)	Project documentation Detailed design documentation	2018
	Technical upgrade of urea unit No.5 aimed at capacity increase to 1250 TPD (PJSC Acron site)	Project documentation Detailed design documentation	2017

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
PJSC KuibyshevAzot, Togliatti, Russia Stamicarbon, The Netherlands	Urea production unit with capacity 1500 TPD (at PJSC KuibyshevAzot site)	Adaptation of licensor's BEP on ISBL facilities to RF norms and regulations BEP for urea production OSBL facilities Project documentation	2017 - 2019
PJSC KuibyshevAzot, Togliatti, Russia	Technical upgrade of urea unit No.4 (evaporation, hydrolysis and desorption sections)	Detailed design documentation	2016-2017
JSC Minudobreniya, Perm, Russia Stamicarbon, The Netherlands	Revamp of Urea production unit aimed at capacity increase to 2700 TPD, new prilling tower construction	Adaptation of licensor's basic engineering package (BEP) to RF norms and regulations BEP for prilling tower Project documentation	2015 - 2019
JSC Minudobreniya, Perm, Russia	Urea production unit modernization aimed at capacity increase to 2700 TPD, new prilling tower construction	Detailed design documentation	
PJSC Togliattiazot, Togliatti, Russia	Urea production unit with prilling tower (capacity 2200 TPD)	Adaptation of licensor's basic engineering package (BEP) to Russian norms and regulations	2015 - 2016
		Project documentation (including prilling tower and continuous handling system).	2019
		Detailed design documentation	2020
		Field supervision	2018-2023
JSC PhosAgro- Cherepovets, Cherepovets, Russia	Urea granulation unit, capacity 1500 TPD	Project documentation Detailed design documentation	2014-2017
	Technical upgrade of urea production unit No.2 aimed at capacity increase to 1650 TPD	Project documentation Detailed design documentation Technical assistance for equipment manufacturing	2014-2016
EuroChem, NAK Azot, Novomoskovsk, Russia	Technical upgrade of urea unit No. 2 aimed at capacity increase to 1500 TPD	Project documentation Detailed design documentation	2013-2017
	Technical modernization of urea unit No.3 (train 2) with capacity increase to 1450 TPD	Project documentation Detailed design documentation	2013-2016
	Urea-ammonia solution production unit on the basis of urea production	Project documentation Detailed design documentation Field supervision	2013-2014 2020 - 2021

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
	plant No. 2 (capacity 1200 TPD)		
	Revamp of urea unit in unit No.2 (gas vent elimination)	Project documentation Detailed design documentation	2012-2015
	32,5% urea solution production unit (capacity 100000 TPY) including urea solution treatment unit on the basis of urea plant No.2 evaporation unit	Project documentation Detailed design documentation	2011-2015
JSC Chemoproject, Czech Republic	Revamp of AZOMURES S.A. (Romania) unit's prilling tower aimed to capacity increase from 900 to 1425 TPD, keeping the tower's height and ensuring the same quality level.	Acting as general designer Development of technical solutions	2012
PJSC Acron, Veliky Novgorod, Russia	Revamp of Urea production units (No.1-4) aimed to capacity increase up to 2000 TPD and feedstock/ energy saving	Project documentation Detailed design documentation	2009-2016
	Revamp of Urea synthesis unit (urea unit No.5)	Project documentation Detailed design documentation	2013-2014
JSC Azot, Kemerovo, Russia	Revamp of Urea production unit with high speed drum granulator installation	Project documentation Detailed design documentation	2011-2013
PJSC Kuibyshev Azot, Togliatti, Russia	Acid ammonia recovery unit downstream urea unit absorption tower	Project documentation Detailed design documentation	2011-2012
EuroChem NAK Azot Novomoskovsk, Russia	Technical upgrade of evaporation unit No.5 for urea production unit No.2 (capacity 1000 TPD)	Project documentation Detailed design documentation	2011-2012
PJSC Acron, Veliky Novgorod, Russia	Computer simulator for personal training and knowledge assessment	Computer-generated process simulator of urea production unit No.5	2011-2012
	Evaporation system for urea production unit and prilling tower modernization with capacity increase	Detailed design documentation	2011-2013
JSC Maxam-Chirchik, Chirchik, Uzbekistan	Modernization and technical upgrade of urea unit	Project documentation Detailed design documentation	2010-2012

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
EuroChem, Nevinnomyssky Azot, Nevinnomyssk, Russia	Technical upgrade of unit No.2 (urea unit No.2)	Project documentation Detailed design documentation	2010-2011
EuroChem, NAK Azot, Novomoskovsk, Russia	Computer simulator for personnel training and knowledge assessment	Computer-generated process simulator of urea production unit	2010 – 2011
PhosAgro, Cherepovets, Russia	Urea plant production unit with capacity 1500 TPD, of Chemoproject (Czech Republic) supply	Project documentation Detailed design documentation	2010 - 2012
Design Institute Salavatgasoneftekhimpro ekt, Salavat, Republic of Bashkortostan, Russia	Prilling tower for urea plant No.24 of JSC Salavatnefteorgsintez	Adaptation of licenser’s basic engineering package (BEP) (TEC, Japan) to RF norms and regulations Project documentation Detailed design documentation	2010 - 2011
PhosAgro, Cherepovets, Russia	Computer simulator for personnel training and knowledge assessment	Computer-generated process simulator for urea production unit	2010 - 2011
	Revamp of urea synthesis evaporation unit	Project documentation Detailed design documentation	2010
PJSC Kuibyshev Azot, Togliatti, Russia	Prilling tower revamp (urea unit No.4)	Detailed design documentation	2010
	Revamp of evaporation unit (urea plant No.1, unit No. 4)	Detailed design documentation	2010
Salavatnefteorgsintez Salavat, Russia	Prilling towers revamp (urea plant No.24)	Project documentation Detailed design documentation	2009-2010
Yokogawa Electric, Moscow, Russia	Technical support of control system for CO ₂ compressor with arrangement of a room for a set of technical devices at JSC NAK Azot	Detailed design documentation	2009
PJSC Acron, Veliky Novgorod, Russia	Design of granulated urea unit based on Rotoform technology	Detailed design	2009
PhosAgro AG - Cherepovetsky Azot, Cherepovets, Russia	Prilling tower for Urea production unit with capacity 1500 TPD	Project documentation Detailed design documentation	2008 – 2012
PJSC Togliattiazot, Togliatti, Samara, Russia	Revamp of Prilling tower (urea unit)	Detailed design documentation	2008-2009
PJSC Acron, Veliky Novgorod, Russia	Revamp of Urea unit with capacity increase and energy saving	Project documentation Detailed design documentation	2008



CUSTOMER	PROJECT	NIIK SCOPE OF SERVICES	YEAR
Voskresensk Mineral Fertilizers, Voskresensk, Russia	Urea production unit with capacity of 600 (1200) TPD	Project documentation	2008
PJSC Acron, Veliky Novgorod, Russia	Urea unit No.5 on the basis of relocated unit	Project documentation Detailed design documentation	2007 – 2011
EuroChem, Nevinnomyssky Azot, Nevinnomyssk, Russia	Revamp of Prilling tower (urea unit, unit 2A)	Project documentation Equipment design documentation	2007-2009
JSC Grodno Azot, Grodno, Belarus	Revamp of urea unit No.4 with capacity increase	Feasibility study Architectural and civil design	2007 – 2012
EuroChem, NAK Azot, Novomoskovsk, Russia	Urea production unit on the basis of relocatable unit with capacity increase and energy saving	Project documentation Detailed design documentation	2007– 2010
	Revamp of urea unit No.3 with capacity increase to 2000 TPD	Project documentation Detailed design development	2007 – 2010
Severodonetsk Azot Association, Severodonetsk, Ukraine	Development of basic design for urea unit revamp with capacity increase from 1200 up to 1500 TPD	Project documentation Detailed design documentation	2007 – 2010
EuroChem, Nevinnomyssky Azot, Nevinnomyssk, Russia	Urea evaporation unit for melamine unit	Project documentation Detailed design documentation	2008 – 2010
PJSC TogliattiAzot, Togliatti, Russia	Revamp of urea unit with arrangement of melamine unit	Project documentation	2007 – 2008
PJSC KuibyshevAzot, Togliatti, Russia	Revamp of urea unit with capacity increase	Project documentation Detailed design documentation	2007 – 2008
JSC Salavatnefteorgsintez Salavat, Russia	Detailed design for urea prilling tower	Project documentation Detailed design documentation	2007-2008
Severodonetsk Azot Association, Severodonetsk, Ukraine	Revamp of urea unit with capacity increase from 1000 up to 1200 TPD	Project documentation Detailed design documentation	2006-2007
AB Achema, Lithuania	Urea production unit based on relocatable equipment	Project documentation Detailed design documentation Operation and maintenance documentation	2006-2008
PhosAgro, Cherepovets, Russia	Revamp of distillation section of urea unit with capacity increase	Detailed Design	2007

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
EuroChem, NAK Azot, Novomoskovsk, Russia	Computer process simulator for personnel training and knowledge assessment	Computer process simulator of urea unit	2006-2008
JSC Azot, Cherkassy, Ukraine	Revamp of urea unit M-6	Project documentation Detailed design documentation	2006-2010
JSC Salavatnefteorgsintez, Salavat, Russia	Revamp of urea plant No.50	Project documentation Detailed design documentation	2006 – 2008
JSC Dorogobuzh, Verkhnedneprovsky, Smolensk region, Russia	Urea production unit based on relocatable equipment, urea storage, prilling tower	Project documentation	2006 – 2007
JSC Grodno Azot, Grodno, Belarus	Revamp of urea production unit, installation of recuperator	Detailed design documentation	2006
PJSC Acron, Veliky Novgorod, Russia	Installation of the 5 th urea synthesis reactor	Detailed design documentation	2006
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia	Revamp of urea production unit No.2	Project documentation Detailed design documentation	2006
JSC FERTALGE INDUSTRIES, Algeria	Urea unit prilling tower	Project documentation Detailed design documentation	2002-2005
MELAMINE			
Ammoni, Mendelevsk, Tatarstan, Russia	Melamine unit of 40 000 TPY based on EUROTECNICA HP technology	Adaptation of BEP to RF norms and rules Project documentation (specific sections)	2016
EuroChem, JSC Nevinnomyssky Azot, Nevinnomyssk, Russia	Melamine unit based on LURGI AG technology, Germany	Project documentation based on foreign licensor's basic engineering package Detailed design of architectural and civil part	2007 – 2011
PJSC TogliattiAzot, Togliatti, Russia	Technical upgrade of urea unit with arrangement of melamine unit	Project documentation	2007 – 2008
PJSC Acron, Veliky Novgorod, Russia	Melamine production unit	Feasibility study Environmental impact assessment	2006 – 2007
HYDROGEN			
JSC Shchekinoazot, Shchekino, Russia	Hydrogen recovery unit	Acting as general designer	2010-2011



CUSTOMER	PROJECT	NIIK SCOPE OF SERVICES	YEAR
		Project documentation based on licensor's basic engineering package (BEP) Detailed design documentation	
AMMONIUM NITRATE			
Not specified under the terms of confidentiality	Technical upgrade of ammonia nitrate production section. Modification of the flow diagram for preparation of magnesium nitrate solution	Main technical solutions Detailed design documentation Assistance at industrial safety expertise	2023 -2024
JSC NIUIF, Cherepovets, Russia	High speed drum granulation unit for urea and ammonium nitrate based fertilizers production within creation of a pilot unit for granulated fertilizers production	Main technical solutions development	2018-2019
TomskAzot, Seversk, Tomsk region, Russia	Modernization of the existing Drum Granulation unit to shift it to the granulated ammonium nitrate production unit.	Equipment design documentation development	2017
KazAzot, Aktau, Kazakhstan	Revamp of Ammonium nitrate production unit: HSDG for ammonia nitrate production	Main technical solution development Detail design documentation	2011-2012
OTHER PRODUCTION UNITS AND INFRASTRUCTURE FACILITIES			
Not specified under the terms of confidentiality	Ethanolamine Plant Technical Upgrade	Detailed design documentation Passing Industrial Safety Expertise	2024 – Present time
Not specified under the terms of confidentiality	Polypropylene Unit included into a gas chemical complex	Project documentation Adaptation of Detailed design documentation developed by the customer to Russian norms and standards Development of Detailed design documentation for the disciplines: OVKV (HVAC), EM (electrical), VK (UG and sewage), APS (AFA), APT (AFF), CC (Communication), CCTV Site supervision	2024 – Present time

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
Not specified under the terms of confidentiality	Technical upgrade of industrial warehouse building with administration and amenity building	Detailed design documentation Assistance at industrial safety expertise	2023 – Present time
KHOMA-ADGEZIV Ltd., Dzerzhinsk, Russia	Energy Center. Engineering systems	Detailed design documentation	2022-2023
InvestKhimAgro LLC, Kyshtym, Chelyabinsk region, Russia	Production of ammonium sulfate, NPK, DAP, MAP	Project documentation	2022
		Detail design documentation	2022-2023
		Field supervision	2022-2024
JSC Tulagiprochem, Tula, Russia	Potassium nitrate production at JSC Nevinnomyssky Azot	Cost estimate documentation (within the scope detailed design)	2022
Sinopec Engineering Group Rus LLC (SINOPEC), Blagoveshchensk, Russia	Amur Gas Chemical Complex (AGCC) for production of polyethylene and polypropylene (PE, PP, HDPE, LAO), HDPE production plant	Project documentation	2021-2022
JSC NIPIGAS Tyumen, Russia	AGCC Pyrolysis plant for mixed raw materials	Detail design documentation	2021-2022
ООО TECNIMONT RUSSIA, Moscow, Russia	AGCC Process plants for PE, PP, LAO. Auxiliary systems and shells (cooling towers, flare), substation, operator's room, process buildings and structures)	Project documentation Detailed design in part of plot plan & external water supply and water disposal system	2020 - 2022
Not specified under the terms of confidentiality	Revamp of the gas supply network	Project documentation	2021
Not disclosed (Confidential Information)	Gas treatment complex (off-site facilities, household building with canteen)	Project documentation	2020 - 2022
	Gas treatment complex (off-site facilities, fire station & gas rescue service)	Project documentation	2020 - 2022
	Gas treatment complex (inter-unit racks)	Project documentation	2020 - 2022
JSC NAK Azot, Novomoskovsk, Russia (EuroChem)	Installation of the hydro foamy filtration system (wet scrubbing) at urea plant	Detail design development Installation supervision Field supervision Technical assistance during commissioning	2020

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
OKHK UralChem, Branch Azot, Berezniki, Russia	Technical upgrade of nitrate- nitrite salt production unit (building 449)	Main technical solution development Development of Design Basis	2018-2019
JSC Volzhskiy Orgsintez, Volzhsky, Volgograd region, Russia	Sodium dimetilditiocarbamate production unit, capacity 15000 tons per year	Adaptation of detailed design in EPC process part	2018 - 2019
		Project documentation Detailed design documentation	2017-2018
FCE plant named after Sverdlov Dzerzhinsk, Nizhny Novgorod region, Russia	Revamp aimed at construction of a small-scale hexogen production unit (using technology No.2.1.6.100)	Field supervision for construction	2018
	Revamp and technical upgrade of unit for equipping of special items, providing production process mechanization and automation	Field supervision for construction	2018-2019
JSC Salavat Neftekhimremstroy, Salavat, Russia	Development of detailed projects for additional heating equipment U-EA 602, U-EA 603, U-EA 604 based on technical projects M/DK-14-169.00.00.BO. Development of design and estimate documentation for steam tracing change.	Detailed design development Estimate documentation Field supervision	2018
Korund-Cyan, Dzerzhinsk, Russia	Second train of sodium cyanide production unit revamp & construction (additional works on SMIS (engineering system monitoring))	Detail design documentation	2018-2019
	Technical upgrade Sodium cyanide production unit. Additional equipment installation (buildings B60, B40)	Adaptation of detailed design of EPC company	2018-2019
	Revamp and construction of railway tracks	Project documentation Detailed design documentation	2018 - 2019
	Revamp of administrative and service building A 13	Project documentation Detailed design documentation	2017
	Checking the feasibility to replace design lining of combustion furnace with	Detailed design documentation	2017

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
	brick masonry (building B70)		
	Technical upgrade of the second train of cooling water unit (Sodium cyanide production unit, building B50)	Project documentation Detailed design documentation	2016-2017
	Sodium cyanide production unit revamp & construction (2 nd train)	Detailed design documentation	2016
	Technical upgrade of Alkali storage (sodium cyanide production unit, building B80)	Project documentation Detailed design documentation	2016
	Technical upgrade of Sodium cyanide storage	Detailed design documentation	2015
	Sodium cyanide production unit with capacity of 80000 TPD (first and second train)	Acting as general designer Project documentation based on licensor's basic engineering package (EPC, Germany) Detailed design documentation	2010-2012
SNF Flopam	Acrylamide and polyacrylamide production unit with capacity of 60 000 TPY	Project documentation	2017
QAFCO (Qatar Fertilizer Company), Qatar	Multipurpose High Speed Drum Granulation (HSDG) Pilot Plant for production of granulated urea with additives, capacity 100 kg per hour	Technology licensing Engineering	2014-2015
PVFCCo, Phu My I, Ba Ria Vung Tau, Vietnam	High Speed Drum Granulation unit for production of compound fertilizers (capacity 100 kg/h)	Technology licensing Engineering	2014-2015
PJSC Kuibyshev Azot, Togliatti, Russia	Implementation of catalytic purification system, compressor station, outdoor installations and production buildings (energy efficient cyclohexanol production unit installation project, capacity 140000 TPY)	Project documentation Detailed design documentation	2012-2014
JSC Nizhfarm, Nizhny Novgorod, Russia	Grass-root gel production plant	Adaptation of licensor's Basic engineering package (Chemofarm)	2011

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
		engineering, Belgrad, Serbia) to RF norms and regulations	
Zavolzhsky Motorny Zavod, Zavolzhye, Russia	Technical upgrade of pipelines for acids solution discharge in heat-treating workshop	Detailed design documentation	2011
TIKO-Plastic, Dzerzhinsk, Russia	Expanding capacity of plastic film production unit. Production building construction	Acting as general designer Project documentation Detail design documentation (architectural and civil documentation)	2010-2011
	Production unit of polyethylene film and products	Acting as general designer	2006 - 2007
Nexis, Perm, Russia	CAN (capacity 10 000 TPY) and magnesium nitrate production units (solid or liquid form)	Development of Design Basis Development of equipment design documentation for non-standardized equipment	2010 - 2011
JSC AutoVAZ, Togliatti, Russia	Technical upgrade of liquid ammonia evaporation unit	Project documentation Detailed design documentation Correction of current regulations	2010
Zavolzhsky Motorny Zavod, Zavolzhye, Russia	Construction of testing station for diesel engines	Turnkey project	2009
Korund, Dzerzhinsk, Russia	Lacquer, paint and polyester resins production unit	Acting as general designer Detailed design documentation (infrastructure)	2005-2007
STORAGE AND LOGISTIC FACILITIES			
Not specified under the terms of confidentiality	Ammonia storage technical upgrade	Main technical solutions	2024 – Present time
Not specified under the terms of confidentiality	Nitric acid storage with pump house	Execution of engineering surveys Preparation of environmental impact assessment materials, arrangement of public hearings with preparation of final documents Project documentation Scientific and technical support Assistance at state ecological expertise and main state expertise Detailed design documentation	2022-2024



CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
		Technical assistance at the stage of equipment and materials procurement	2024-2025 (planned)
Togliattiazot, Togliatti, Russia (JSC OKHK Uralchem)	Ammonia and mineral fertilizer transshipment complex with capacity of 5 million TPY in Taman seaport Facilities: compressor station; upstream power distribution panel; sewage pumping station and reservoirs; water reservoir and pump house; control room; KTP.RU. Diesel generator room	Detailed design documentation Field supervision	2022-2023
JSC Metafrax, Gubakha, Russia	Revamp of urea storage unloading section	Project documentation Detailed design documentation	2013
Korund, Dzerzhinsk, Russia	Revamp of chlorine storage unit, adaptation to industry safety requirements	Detailed design documentation	2009
JSC Ammoni, Mendeleevsk, Russia	Construction of urea storage complex	Basic design	2008 – 2009
JSC Pervouralsky novotrubny zavod, Perovuralsk, Russia	Revamp of liquid ammonia storage of unit No. 33	Project documentation Detailed design documentation	2006-2007
JSC Zavolzhsky Motorny Zavod, Zavolshye, Russia	Revamp of sulphuric acid storage unit	Revamp turnkey project	2006-2007
	Petrol storage unit	Construction turnkey project	2006
JSC Nizhegorodsky mashinostroitelny zavod, Russia	Revamp of chlorine storage unit and chlorinator	Revamp turnkey project	2006-2007
PJSC Kuibyshev Azot, Togliatti, Russia	Revamp of urea storage unit	Project documentation Detailed design documentation	2007
TIKO-Plastic, Dzerzhinsk, Russia	Feedstock and final product storage facilities	Project documentation Detailed design documentation	2006
PRE-DESIGN SERVICES			
Not specified under the terms of confidentiality	Hydrogen production unit with capacity of 207 000 nm ³ /h, which is a chemical-process part of nuclear power engineering	Pre-design documentation	2023 – present time

CUSTOMER	PROJECT	NIIK SCOPE OF SERVICES	YEAR
	plant with high temperature gas-cooled reactors		
Not specified under the terms of confidentiality	Urea production unit with capacity of 3150 MTPD by NIIK technology	Investment feasibility study	2022
Not specified under the terms of confidentiality	Methanol production unit with capacity of 140,000 MTPY	Investment feasibility study	2022
Not specified under the terms of confidentiality	Urea production unit with capacity of 3150 MTPD	Investment feasibility study	2020
JSC Ammoni Mendeleevsk, The Republic of Tatarstan, Russia	Melamine production unit with capacity of 40 000 and 60 000 MTPY based on HP technology of EUROTECNICA	Investment feasibility study	2020
JSC Apatit, Cherepovets, Russia	Ammonia production	Consulting services on preliminary study of infrastructure facilities of the new ammonia unit and cost estimation for project implementation	2019-2020
Not specified under the terms of confidentiality	Ammonia- urea-methanol/ other nitrogen products complex	Front-end engineering (detailed estimation of overall scope, reviewing options for site location in the territory of the Russian Federation)	2019-2020
Not specified under the terms of confidentiality	Ammonia- methanol- urea complex	Front- end engineering for 7 options of production complex arrangement at different construction sites	2019
Gaz-Sintez LLC, Vyborg, Russia	5000 MTPD Methanol Plant	Investment feasibility study Declaration of Intent to Invest (DON)	2018
JSC ShchekinoAzot, Shchekino, Russia	Ammonia- urea production complex	Investment feasibility study Preliminary Environmental impact assessment	2018
Gaz-Sintez LLC, Vyborg, Russia	Methanol unit 5000 MTPD	Feasibility study; Declaration of Intent to Invest (DOI)	2018
LLC Angarsk Nitrogen Fertilizer Plant, Angarsk, Russia	Technical upgrade of prilling tower air treatment system (unit No.33/36), facility No.1011	Investment feasibility study	2018
LLC ORELMETACHIM Orel, Russia	Ammonia and urea production complex	Investment feasibility study	2018
ULGA – company, Safonovo, Smolensk region, Russia	Methanol production unit with capacity 1 000 000 MTPY	Feasibility study	2018

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
JSC Meleuz mineral fertilizers, Meleuz, Russia	Repair of UKL-7-76 No.2 for ammonium nitrate production and shipment. Capacity 450 000 MTPY of ammonium nitrate	Investment feasibility study	2018
LLC Askom, Moscow, Russia	Methanol production unit with capacity of 5000 MTPD	Investment feasibility study	2018
	Methanol production unit with capacity of 2500 MTPD	Investment feasibility study	2018
TOO Kazphosphate, Kazakhstan	Ammonia production unit with capacity 1 000 000 MTPY	Investment feasibility study	2018
Air Liquide	Methanol production complex with capacity of 5,000 MTPD Off-site facilities	Pre-design work	2017
JSC KazAzot, Aktau, Kazakhstan	Ammonia/urea and (or) natural gas deep processing products production complex	Investment feasibility study	2017
LLC Novgorodsky GIAP, Veliky Novgorod, Russia	Ammonia and urea production complex (PJSC Dorogobuzh site)	Investment feasibility study	2017
Not specified under the terms of confidentiality	Construction of ammonia (2700 MTPD) and urea (3500 MTPD) production complex near the port of Ust-Luga and shipping terminals of ammonia (600 000 MTPD) and urea (3 million MTPD)	Investment feasibility study	2017
Yakut gas processing complex, Saha, Yakutsk, Russia	Preliminary engineering surveys at feasibility study stage (Methanol production unit with capacity 10000 MTPD)	Preliminary engineering surveys	2017
		Preliminary environmental impact assessment Assistance for ecological expertise approval	2017
LLC Amec Foster Wheeler, Moscow, Russia	Methanol production unit with capacity 10000 MTPD for JSC Yakut Fuel and Energy Company	Investment feasibility study	2017
Not specified under the terms of confidentiality	Methanol production unit with capacity of 5,000 MTPD (Ust-Luga)	Investment feasibility study	2017
Not specified under the terms of confidentiality	Methanol production unit with capacity of 5,000 TPD (Sabetta)	Pre-design work	2017

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
LLC Baltic Gas Chemical Company, St.Petersburg, Russia	M-15 production unit with capacity 15 000 MTPY for Chayandinskoye field	Development of declaration of intent	2017
LLC CREON-ENERGY, Moscow, Russia	Methanol production unit with capacity 1 mln MTPY (Novoroscement site)	Methanol production unit tie-up for site infrastructure	2017
Kemerovsky JSC Azot, Kemerovo, Russia	UAN production unit with capacity of 150 000 MTPD	Investment feasibility study	2017
LLC Jugterminalproect, Moscow, Russia	Justification of optimal configuration for production complex Methanol- Ammonia-Urea complex (Taman region)	Pre-design work	2016
JSC Technoleasing, Moscow, Russia	Methanol production unit with capacity of 1 mln MTPY (at industrial site Skovorodino, Amur region)	Investment feasibility study	2016
LLC Novgorodsky GIAP, Veliky Novgorod, Russia	Sulfuric acid production unit Wet-process phosphoric acid production unit; Monoammonium phosphate (MAP) and/or diammonium phosphate (DAP) production unit	Investment feasibility study	2016
PJSC Metafrax, Gubakha, Russia	Ammonia-urea-melamine production complex	Connection of the complex to the industrial site of the plant Development of declaration of intention Preliminary environmental impact assessment Conducting public hearings	2015 -2016
PJSC MMC Norilsk Nickel, Moscow, Russia	Urea production complex (Dudinka site)	Investment feasibility study	2016
LLC Zhilevskaya kremniorganika, Sitne-shchelkanovo, Moscow region, Russia	Ammonia-urea complex	Investment feasibility study	2016
JSC ShchekinoAzot, Shchekino, Russia	Methanol production unit with capacity of 500 000 MTPY	Connection of the production unit to the industrial site of JSC ShchekinoAzot taking into	2016

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
		account location of Ammonia-Urea complex and sulfuric acid production complex	
	Ammonia-urea complex	Development of declaration of intention	2016
	Placement of Ammonia-Urea complex and sulfuric acid production complex at industrial site of JSC ShchekinoAzot	Connection of the sulfuric acid production unit and Ammonia-Urea complex to the industrial site of the plant	2015
JSC Grodno Azot, Grodno, Belarus	Ammonia-urea-hydrogen complex	Investment feasibility study	2015
PJSC KuibyshevAzot, Togliatti, Russia	Urea production unit	Investment feasibility study	2014
LLC Sibmetahim, Tomsk, Russia	Chemicals manufacturing unit (as per the following options: synthetic liquid fuel/ ammonia-urea-melamine complex)	Expert economic assessment	2014
CJSC CREON-ENERGY, Moscow, Russia	Methanol production with capacity of 5000 MTPD (Ust-Luga region)	Investment feasibility study	2014
LLC Rosstroy, Novochemkassk, Russia	Ammonia-urea complex	Investment feasibility study	2014
JSC PhosAgro, Cherepovets, Russia	Granulated urea production unit with capacity of 1500 MTPD	Preliminary environmental impact assessment	2014
	Ammonia production unit AM-3 (capacity of 2200 MTPD)	Preliminary environmental impact assessment	2013- 2014
CJSC National Chemical Company, Russia	Ammonia-urea-methanol complex (Kozmino, Primorsky territory)	Declaration of intention development Preliminary environmental impact assessment Conducting public hearings	2013
CJSC ICM, Saint-Petersburg, Russia	Ammonia-Urea complex (Vistino settlement, Kingisepp district, Leningrad region)	Declaration of intention development; Preliminary environmental impact assessment	2012-2013
JSC Minudobreniya, Rossosh, Russia	Ammonia-urea complex	Investment feasibility study	2012
JSC ShchekinoAzot, Shchekino, Russia	Ammonia-urea complex	Investment feasibility study	2011
	Hydrogen production unit	Investment feasibility study	2010- 2011
LLC Balakovo Mineral Fertilizers (PhosAgro), Balakovo, Russia	Above-ground liquid ammonia storage	Investment feasibility study	2010

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
PROCESS INSPECTIONS & SCIENTIFIC ENGINEERING			
JSC ShchekinoAzot, Shchekino, Russia	Methodological support of urea unit	Development of measurement methods in accordance with GOST 8.563-2009	2024
Not specified under the terms of confidentiality	Inspection of urea unit no.# in order to increase urea quality, optimize the consumption coefficients on feedstock, materials and resources	Process inspection Report on inspection results	2024
JSC NAK Azot, Novomoskovsk, RF	Engineering and technical measures development to improve efficiency of evaporation units and the existing prilling tower, aimed at reducing concentration of ammonia in the melt and in the air emissions at the urea unit	Inspection of the evaporation units and prilling tower. Engineering and technical measures development	2023
“RusVinil” Ltd., Kstovo, RF	Certification of measurement technique	Research and confirmation of methodology compliance to established requirements	2023
JSC Nevinnomyssky Azot, Nevinnomyssk, RF (EuroChem Group AG)	Inspection of operation mode of Urea production unit 2A in order to develop measures to improve synthesis unit efficiency when operating urea unit and melamine unit jointly	Process inspection	2019
Maxam-Chirchik, Chirchik, Uzbekistan	Works on inspection of the existing urea unit to develop measures to reduce emissions and pollutant effluents released to environment.	Process inspection	2019
“Gazprom neftekhim Salavat” Ltd., Salavat, RF	Reconstruction of unit 24 GHZ of “Gazprom neftekhim Salavat” Ltd to achieve the daily output of 1,400 TPD	Process inspection Development of design basis	2019-2020
JSC Nevinnomyssky Azot, Nevinnomyssk, RF (EuroChem Group AG)	Performance of works on inspection of evaporation unit (urea plant No. 2)	Process inspection Issuing recommendations	2019
Maxam-Chirchik, Chirchik, Uzbekistan	Process inspection of existing AK-72M and AK-72 nitric acid units	Process inspection	2019

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
PMU subsidiary, JSC OKCh UralChem, Perm, RF	Certification of measurement procedures	Evaluation and confirmation of compliance of measurement procedures with the established requirements Modifying measurement procedures to bring them in line with the requirements	2018
Grodno Azot, Grodno, Belarus	Complex inspection of Urea 3 unit	Process inspection	2018
TechnoChimReagentBel LLC, Grodno, Belarus	Certification of measurement procedures	Evaluation and confirmation of compliance of measurement procedures with the established requirements Modifying measurement procedures to bring them in line with the requirements	2018
	Certification of measurement procedures	Evaluation and confirmation of compliance of measurement procedures with the established requirements Modifying measurement procedures to bring them in line with the requirements	2017
Union of producers and consumers of automobile chemical goods, Moscow, RF	Certification of measurement procedures	Evaluation and confirmation of compliance of measurement procedures with the established requirements Modifying measurement procedures to bring them in line with the established requirements	2017
JSC PhosAgro Cherepovets, Cherepovets, RF	Performance of works on revision and implementation of changes in the constant process procedures of urea unit sections No. 1 and No.2	Implementation of changes in the constant process procedures	2017
JSC Salavatnefteorgsintez Salavat, RF	Site supervision and technical support during construction and commissioning of the work project No. 5-8II- 2014 – Technical upgrade. Further equipping of the urea granulation unit with capacity of 1400 TPD at unit No.24	Site supervision Technical support during construction Commissioning	2017

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
JSC Gazprombank, Moscow, KAO Azot, Kemerovo, RF	Performance of technical audit of production capacities of SDS-Azot urea plants	Process inspection Development of measures on operation optimization Investment evaluation	2017
Grodno Azot, Grodno, Belarus	Development of technical solutions for distillation gases treatment unit at Urea unit No.2	FEED	2017
JSC NAK Azot, Novomoskovsk, RF (EuroChem Group AG)	Process inspection of the prilling tower of the ammonium nitrate section of the Complex fertilizer unit at JSC NAK Azot	Process inspection. Development of engineering technical measures for stabilization of operation of the prilling tower.	2016
JSC Kemerovskoe Azot, Kemerovo, RF	Performance of a complex technical audit of the urea plant developed based on Tecnimont technology	Process inspection. Development of measures for optimizing process in order to reduce energy consumption and enhance reliability of unit operation. Investment evaluation	2015
JSC Nevinnomyssky Azot, Nevinnomyssk, RF (EuroChem Group AG)	Process monitoring of urea units 1-3 of unit No.2	Process inspection Development of measures on revamp aimed to reduce energy consumption and increase capacity. Investment evaluation	2015
JSC Y. Samoilov Research Institute for Fertilizers and Insectofungicides (NIUIF), Moscow, RF	Development of an industry reference guide of the best available technologies "Production of ammonia, mineral fertilizers and inorganic acids" in the sections "Ammonia, nitric acid, ammonium nitrate, calcium ammonium nitrate (IAN), urea, urea-ammonia mixture (UAN)". Scientific and technical support during approval and expertise.	Development of an industry reference guide of the best available technologies	2015
JSC Nevinnomyssky Azot, Nevinnomyssk, RF (EuroChem Group AG)	Performance of a complex process inspection of the urea section at Urea and melamine unit No.2	Performance of inspection in order to develop measures for optimizing process mode of the urea unit during its joint operation with the melamine unit.	2014
FNTC Group spol.s r.o., Czech Republic	Process inspection of the urea unit at JSC Farg'onaazot.	Process inspection	2013



CUSTOMER	PROJECT	NIIK SCOPE OF SERVICES	YEAR
JSC NAK Azot, Novomoskovsk, RF (EuroChem Group AG)	Process inspection of Urea unit No.3 (IInd train) aimed to assess possibility to increase capacity up to 1600 TPD	Process inspection	2012
	32,5% urea solution unit with capacity of 100000 TPY including an urea solution treatment unit on the basis of Urea unit No.2 evaporation unit	Process inspection of urea units with justification for creation of a unit.	2011
PJSC Acron, Veliky Novgorod, RF	Process inspection of the urea unit in order to develop measures aimed at capacity increase and energy saving	Process inspection	2010-2011
PK Agro-Cherepovets LLC, Cherepovets, RF	Process monitoring of operation of the urea unit in order to reduce ammonia consumption	Process inspection	2009
CJSC Severodonetsk Azot Association, Severodonetsk, Ukraine	Process monitoring of operation of the urea unit equipment	Process inspection Development of measures on revamp for capacity increase and energy saving	2008
JSC Mineralnye udobreniia, Perm, RF	Process monitoring of operation of the urea unit equipment	Process inspection	2006
TECHNICAL DIAGNOSTICS & EQUIPMENT REPAIR SERVICES			
PJSC Togliattyazot, Togliatti, Russia	Inspection of tubes of II stage waste heat boiler item 112, Unit 05A	Eddy current inspection for heat exchanger tubes	2024
JSC Apatit Cherepovets, Russia	Repair of urea synthesis reactor item R-201 at urea plant IPIIM-2 (replacement of 4 lining belts)	Development of technical documentation for repair Test of flat steel samples for resistance to intergranular corrosion	2024
Grodno Azot, Grodno, Belarus	Inspection of reactor item R-201 of Urea unit 4	Corrosion inspection	2024
Grodno Azot, Grodno, Belarus	Inspection of heat-exchanging tubes of II stage waste-heat boiler item 112 of Ammonia unit 4	Eddy current testing of heat exchange tubes	2024
PJSC NORE, Novomoskovsk, RF	Eddy current testing of heat exchange tubes of equipment at Urea unit 3 (1st train) on the territory of JSC NAK Azot	Eddy current testing of heat exchange tubes	2024

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
PJSC NORE, Novomoskovsk, RF	Inspection of heat-exchanging tubes of equipment at 1-B unit of JSC Nevinnomyssky Azot	Eddy current testing of heat exchange tubes	2024
JSC Apatit Cherepovets, RF	Inspection of heat-exchanging tubes of equipment at Urea unit 1, Urea unit 2, Urea unit 3, Gas separation unit, Sulfuric acid unit	Eddy current testing of heat exchange tubes	2024
JSC Apatit Cherepovets, RF	Inspection of reactor item R-201 at Urea unit 2	Corrosion inspection	2024
Helwan Fertilizer Co, Египет	Repair of 322-R-0 urea synthesis reactor lining	Development of the technical documentation for repair	2024
JSC NAK Azot, Novomoskovsk, Russia (JSC МНК EuroChem)	Lining repairs of synthesis reactor item 6-3 at Urea-2 unit	Repair works	2024
JSC NAK Azot, Novomoskovsk, Russia (JSC МНК EuroChem)	Lining repairs of synthesis reactor item 11-R-1 at Urea-3 (1) unit	Repair works	2024
PJSC Togliattyazot, Togliatti, Russia	Inspection of equipment at 08K unit of urea plant	Corrosion inspection Eddy-current testing of heat-exchange tubes Installation supervision	2024
PJSC KuibyshevAzot, Togliatti, Russia	Inspection of main process equipment at urea unit, repairs works of distillation column item 7/1	Corrosion inspection Repairs works	2024
JSC NAK Azot, Novomoskovsk, RF (EuroChem Group AG)	Replacement of HP stripper in Urea-3 unit (2 st train)	Technical assistance at repair works	2024
JSC NAK Azot, Novomoskovsk, RF (EuroChem Group AG)	Corrosion inspection of urea reactor lining state in terms of corrosion, reveal of fluid leak-through location in equipment item 11-R-1 of Urea unit 3 (1 st train)	Performance of inspection Reveal of leak Technical assistance at repair works	2024
PJSC NORE, Novomoskovsk, RF	Corrosion inspection of equipment at Urea unit 3 (2nd train) on the territory of JSC NAK Azot	Performance of corrosion inspection	2023
PJSC NORE, Novomoskovsk, RF	Eddy current testing of heat exchange tubes of equipment at Urea unit 3	Performance of eddy-current testing	2023

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
	(2nd train) on the territory of JSC NAK Azot		
PJSC Togliattiazot, Togliatti, RF	Corrosion inspection of equipment at Urea unit 08K	Performance of corrosion inspection	2023
Grodno Azot, Grodno, Belarus	Eddy-current testing of heat-exchange tubes of tube bundles in evaporators of Cyclohexanone unit 1	Performance of eddy-current testing	2023
JSC Apatit Cherepovets, RF	Eddy-current testing of heat-exchange tubes of pressure vessels	Performance of eddy-current testing	2023
JSC Apatit Cherepovets, Russia	Inspection of reactor item R-201 at ЦПМ-2 urea unit	Corrosion inspection	2023
JSC Minudobreniya, Rossosh, Russia	Technical inspection of equipment ИТН No.1 and ИТН No.2	Corrosion inspection	2023
LLC Technologia, Dzerzhinsk, Russia	Lining repairs of synthesis reactor item R-901 at urea unit in KAO Azot, Kemerovo	Repair works	2023
PJSC Togliattiazot, Togliatti, RF	Inspection of the bearing shell of dismantled urea synthesis reactor item 14-R-1	Performance of inspection	2022
JSC Apatit Cherepovets, RF	Overhaul of HP urea reactor R-201 (repair of neck lining and 3 head nozzles)	Development of the technical documentation and procurement of required metal products	2022
JSC Apatit Cherepovets, RF	Eddy-current testing of heat-exchange tubes of pressure vessels	Performance of eddy-current testing	2022
JSC Apatit Cherepovets, Russia	Inspection of reactor item R-201 at ЦПМ-2 urea unit	Corrosion inspection	2022
JSC Grodno Azot, Grodno, Belorussia	Capital repairs of reactor item R-201 at Urea-3 unit	Repair works	2022
JSC Grodno Azot, Grodno, Belorussia	Inspection of desorber at cyclohexanone-1 unit	Eddy-current testing of heat-exchange tubes	2022
JSC Grodno Azot, Grodno, Belorussia	Inspection of reactor R-501A at benzene hydrogenation unit	Eddy-current testing of heat-exchange tubes	2022
JSC Grodno Azot, Grodno, Belorussia	Inspection of equipment at Urea-4 unit	Corrosion inspection Eddy-current testing of heat-exchange tubes	2022

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Repairs works of reactor item 6/2 at Urea-2 unit	Repair works	2022
PJSC NORE, Novomoskovsk, Russia	Inspection of equipment at unit No.2-a (melamine) JSC Nevinnomyssky Azot	Corrosion inspection	2022
JSC Nevinnomyssky Azot, Nevinnomyssk, RF	Eddy-current testing of vessels item 503	Performance of inspection	2022
PJSC KuibyshevAzot, Togliatti, RF	Inspection and repair of urea reactor item 6/1 at Urea unit No.4	Performance of inspection and repair works	2022
PJSC KuibyshevAzot, Togliatti, Russia	Inspection and repairs works of urea synthesis reactor item 6/2 unit No.4	Inspection and repairs works	2022
JSC OKhK URALCHEM, Berezniki, RF	Replacement of nozzles P1, P2, P3, P4. Replacement of bottom head. Replacement of three liner belts in reactor R-901	Repair works	2021
SORFERT, Algeria	Corrosion inspection and eddy-current testing of heat-exchange tubes of equipment at Urea unit	Corrosion inspection and eddy-current testing of high pressure equipment	2021
CASALE PROJECT	Eddy-current testing of steam turbine condenser at Navoi Azot, Uzbekistan	Eddy-current testing	2021
JSC Azot, Kemerovo, RF	Replacement of nozzles P1, P2, P3, P4. Replacement of the bottom head in reactor R-901.	Repair works	2021
JSC NAK Azot, Novomoskovsk, RF (EuroChem Group AG)	Replacement of three liner belts of cylindrical part of Urea Reactor item 11-R-1 with Ø2300	Repair works	2021
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Corrosion inspection of three synthesis reactors at Urea-2 unit	Corrosion inspection	2021
JSC Apatit Cherepovets, Russia	Eddy-current testing of equipment item 16-E-73	Eddy-current testing	2021
JSC Apatit Cherepovets, Russia	Eddy-current testing of heat-exchange tubes of pressure vessels	Eddy-current testing	2021

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
JSC Grodno Azot, Grodno, Belarus	Replacement of two liner belts of cylindrical part of reactor R-201	Repair works	2021
JSC Grodno Azot, Grodno, Belorussia	Inspection of reactor item R-201 at Urea-3 unit	Corrosion inspection	2021
JSC Apatit Cherepovets, Russia	Inspection of reactor item R-201 in ЦПМ-2	Corrosion inspection	2021
PJSC NORE, Novomoskovsk, Russia	Corrosion inspection of equipment at Urea-3 unit (1 st train) on the territory of JSC NAK Azot	Corrosion inspection and eddy-current testing of equipment	2021
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia	Corrosion inspection of reactor item R-1201 (melamine)	Corrosion inspection	2021
FHU Polimer Grzegorz Grzesik, Poland	Execution of repair works for cylinder shells No.4 and 5 of column K-3 at Uralchem site in Berezniki	Repair works	2020
JSC Grodno Azot, Grodno, Belarus	Performance of works on measuring wall thickness of lining pipes in high pressure stripper item E-201 of Urea unit 3	Performance of inspection	2020
	Performance of works (services) for performance of measurement of the wall thickness of the bundle tubes of heater item 116 by eddy current method at Ammonia unit 4	Performance of inspection	2020
PJSC KuibyshevAzot, Togliatti, RF	Inspection of corrosion and technical condition of heat exchange and tank equipment and elimination of the detected defects at Urea unit No.4	Performance of inspections Repair works	2020
JSC NAK Azot, Novomoskovsk, RF (EuroChem Group AG)	Services on inspection of corrosion and technical condition of the main technological equipment of Urea unit 3 (2 nd train)	Performance of inspection	2020
JSC Minudobreniia, Rossosh, RF	Eddy current testing of technical condition of 100% of heat exchange tubes of the syngas heat	Performance of inspection	2020

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
	exchanger upstream methanator item 136-C		
PJSC Togliattyazot, Togliatti, RF	Eddy current testing of heat exchange tubes of carbamate condensers items 11-E-5A, 11-E-5B, 14-E-5A, 14-E-5B of Urea unit No.08K	Performance of inspection	2020
JSC Apatit Cherepovets, RF	Eddy current testing of heat exchange tubes of pressure vessels at JSC Apatit units and sections	Performance of inspection	2020
JSC Grodno Azot, Grodno, Belarus	Technical assistance and management of works on lining welds repair for urea synthesis reactor item R-201 at Urea unit No.4	Repair works	2020
JSC Nevinnomyssky Azot, Nevinnomyssk, RF (EuroChem Group AG)	Technical assistance in repair of heavy fractions distillation column item D-2203 at Unit No.12A	Repair works	2020
JSC Apatit, (Volkhov subsidiary), RF	Eddy-current testing of heat exchange tubes of CK-800 equipment operating under excessive pressure	Performance of eddy-current testing	2019
JSC Nevinnomyssky Azot, Nevinnomyssk, RF (EuroChem Group AG)	Works on inspection of corrosion and technical condition of urea synthesis reactors items 6/1, 6/4, distillation columns items K-7/1, K-7/2, stripper-distillation units items T8/1, 8/2, mixers items 5/1, 5/2, 5/3, 5/4, air heaters items 20/3 of Unit No.2A	Performance of inspection	2019
MOPCO, Egypt	Works on performance of corrosion inspection of MOPCO-2 urea unit	Performance of corrosion inspection	2019
	Works on performance of corrosion inspection of MOPCO-3 urea unit	Performance of corrosion inspection	2019
Industrial Group Phosphorite LLC, Leningrad region, Kingisepp, RF	Works on inspection of 100% of heat-exchange tubes by eddy-current testing for the heat recovery boiler and air preheaters at Sulfuric acid	Performance of eddy-current testing	2019

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
	unit of Industrial Group Phosphorite LLC		
AlexFert, Egypt	Cleaning of internal surface of 100% of heat-exchange tubes of Recirculation heater 323-E-002 by thermo-pneumo-abrasive method	Repair works	2019
PJSC KuibyshevAzot, Togliatti, RF	Performance of a repair work complex for Urea synthesis reactor item No. 6/1 (registration No.202KB)	Repair works	2019
JSC NAK Azot, Novomoskovsk, RF (EuroChem Group AG)	Performance of works on inspection of corrosion and technical condition of urea unit 3 main equipment (1 st train)	Performance of inspection	2019
KAO Azot, Kemerovo, RF	Works on inspection and replacement of the upper head, cylindrical sections of shells VI and VII of synthesis reactor item R-901 lining	Repair works	2019
Grodno Azot, Grodno, Belarus	Works on repair of the lining of synthesis reactor item R-201 at urea unit No.3	Repair works	2019
JSC Meleuz mineral fertilizers, Meleuz, RF	Works on overhaul of evaporation unit item T-10 (inventory No.17687) at the ammonium nitrate unit (AC-72M)	Repair works	2019
JSC Nevinnomyssky Azot, Nevinnomyssk, RF (EuroChem Group AG)	Performance of works on replacing the cylindrical part of the lining of urea synthesis column item 6/3 at unit No.2 of JSC Nevinnomyssky Azot	Repair works	2019
JSC Apatit, Cherepovets, RF	Eddy-current testing of pressure vessels' heat-exchange tubes	Eddy-current testing	2019
Nitrogénművek Zrt., Hungary	Repair of Urea reactor R202 of Nitrogenmuvek Zrt urea unit (Hungary)	Repair works	2018
PJSC Metafrax, Gubakha, RF Casale SA, Switzerland	Ammonia-urea-melamine complex	Technical assistance during commissioning and guarantee testing of the prilling tower Site supervision	2018 - 2021

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
PG Phosphorite LLC, Leningrad region, Kingisepp district, RF	Inspection of heat-exchange tubes of the HRS system heat recovery boiler by eddy-current testing	Performance of eddy-current testing Development of recommendations for performance of repair	2018
PJSC TogliattiAzot, Togliatti, RF	Works on inspection of corrosion and technical condition of the equipment at Urea unit No. 08K	Performance of corrosion inspection Development of recommendations for performance of repair	2018
JSC OKhK URALCHEM, Berezniki, RF	Corrosion inspection	Performance of corrosion inspection Development of recommendations for performance of repair	2018
JSC Minudobreniia, Rossosh, Voronezh district, RF	Eddy current testing	Performance of eddy current testing Development of recommendations for performance of repair	2018
JSC Nevinnomyssky Azot, Nevinnomyssk, RF (EuroChem Group AG)	Works on performance of corrosion and technical inspection of unit No.2	Performance of corrosion and technical inspection Development of recommendations for performance of repair	2018
PJSC KuibyshevAzot, Togliatti, RF	Relining of distillation column item K-7/2 of unit No.4	Repair works	2018
JSC Grodno Azot, Grodno, Belarus	Repair of the lining of synthesis reactor item R-201 at urea unit No.4	Repair works	2018
PJSC TogliattiAzot, Togliatti, RF	Technical supervision on lining repair	Development of recommendations for performance of repair	2018
JSC Apatit, Cherepovets, RF	Works on replacement of mass-transfer trays in urea synthesis reactor item R-201 at urea unit No.2	Repair works	2018
	Works on eddy-current testing of pressure vessels' heat exchanger tubes at JSC Apatit units and facilities	Inspection by nondestructive testing Development of recommendations for performance of repair	2018
Belenergomash LLC, Belgorod, RF	Performance of intergranular corrosion resistance testing for steel tube samples	Performance of testing	2018
JSC NAK Azot, Novomoskovsk, RF (EuroChem Group AG)	Performance of corrosion and technical inspection of high pressure stripper item E-201 and eddy current testing of the heat-exchange tubes of high	Performance of corrosion and technical inspection Development of recommendations for performance of repair	2017

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
	pressure stripper item E-201.		
Nitrogénművek Zrt., Pétfürdő, Hungary	Corrosion inspection	Inspection of corrosion condition	2017
	Works on cleaning from deposits of internal surface of heat-exchange tubes of HP stripper item E-201 at the urea unit	Inspection by nondestructive testing Electro-hydro-mechanical cleaning of the equipment	2017
JSC Meleuz mineral fertilizers, Meleuz, RF	Replacement of heat-exchange tubes in equipment item T-10 at the ammonium nitrate unit (AC-72M)	Inspection by nondestructive testing Development of measures for performance of repair Repair works	2017, 2018
JSC Nevinnomyssky Azot, Nevinnomyssk, RF (EuroChem Group AG)	Works on cleaning preheaters items E-302 and E-302B at Urea unit No.2A	Cleaning of the equipment by thermo-pneumo-abrasive method	2017
	Performance of inspection of corrosion and technical condition of urea synthesis reactors items 6/1 and 6/3 at Urea unit No.2	Performance of corrosion and technical inspection Development of recommendations for performance of repair	2017
JSC Minudobreniya, Rossosh, RF	Performance of inspection of technical condition of heat-exchange tubes at Unit AM-2	Performance of corrosion and technical inspection Development of recommendations for performance of repair	2017
Grodno Azot, Grodno, Belarus	Repair of the lining of the neck of synthesis reactor item R-201 at Urea unit No.3	Development of the Technical documentation for repair Instrumental control of the works performed	2017
	Performance of inspection of urea synthesis reactor item R-201 and HP condenser item E-202 at urea unit No.3	Inspection of corrosion and technical condition Development of recommendations for performance of repair	2017
	Performance of inspection of urea synthesis reactor item R-201, HP stripper item E-201 and HP condenser item E-202 at urea unit No.4	Inspection of corrosion and technical condition Development of recommendations for performance of repair	2017
PJSC TogliattiAzot, Togliatti, RF	Performance of inspection and development of a technical guide for repair of the lining in synthesis reactor 14-R-1 at urea unit 08K	Inspection by nondestructive testing Development of recommendations for performance of repair	2017

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
PJSC KuibyshevAzot, Togliatti, RF	Performance of inspection of condition of the main process equipment of the urea unit	Inspection by nondestructive testing Development of recommendations for performance of repair	2017
JSC Nevinnomyssky Azot, Nevinnomyssk, RF (EuroChem Group AG)	Performance of inspection, technical assistance and supervision of repair of heavy fractions distillation column item D-2203 at unit No.12A	Inspection by nondestructive testing Development of recommendations for performance of repair Technical supervision over repair works	2017
JSC PhosAgro-Cherepovets Cherepovets, RF	Performance of inspection of pressure vessels' heat exchanger tubes at JSC PhosAgro- Cherepovets units and facilities	Inspection by nondestructive testing Development of recommendations for performance of repair	2017
ZNIGO LLC, Borisoglebsk, Voronezh region, RF	Performance of inspection of condition of heat-exchange tubes of the reflux condenser at the urea unit	Inspection by nondestructive testing Development of recommendations for performance of repair	2017
Sorovskneft LLC, Tyumen, RF	Performance of inspection of condition of heat-exchange tubes of S&T oil heaters	Inspection by nondestructive testing Development of recommendations for performance of repair	2016
JSC Nevinnomyssky Azot, Nevinnomyssk, RF (EuroChem Group AG)	Performance of inspection of heat-exchange tubes of the equipment at urea unit No.2A)	Inspection by nondestructive testing Development of recommendations for performance of repair	2016
	A complex of works for replacement of the top head of Synthesis reactor item 6/1 at Urea unit No.2	Development of the technical documentation for repair Repair works	
Grodno Azot, Grodno, Belarus	Performance of a complex of works for repair of the lining of Synthesis reactor item R-201 at Urea unit 3	Development of the technical documentation for repair Repair works	2016
	Technical and corrosion inspection of HP reactor item R-201, HP stripper item E-201 at Urea unit 3	Inspection by nondestructive testing Development of recommendations for performance of repair	
Egyptian Fertilizers Company (EFC), El Ain Sukhna, Egypt	Performance of a complex of works for repair of the lining of urea reactor item 322-R-00	Development of the technical documentation for repair Repair works	2016
JSC OKhK URALCHEM, Berezniki, RF	Performance of a complex of works for relining of urea synthesis reactor item R-901	Development of the technical documentation for repair Repair works	2016

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
JSC NAK Azot, Novomoskovsk, RF (EuroChem Group AG)	Inspection by eddy current method of heat-exchange tubes of the equipment at urea plant No.3 (2 nd train)	Inspection by nondestructive testing Development of recommendations for performance of repair	2016
	Inspection of corrosion and technical condition of urea synthesis reactor item 6/1 at urea unit No.2	Inspection by nondestructive testing Development of recommendations for performance of repair	2016
JSC PhosAgro- Cherepovets Cherepovets, RF	Performance of inspection of pressure vessels' heat exchanger tubes at JSC PhosAgro- Cherepovets units and facilities	Inspection by nondestructive testing Development of recommendations for performance of repair	2016
	Inspection by eddy-current testing of heat-exchange tubes of carbamate condenser item E-202 at JSC PhosAgro-Cherepovets melamine unit	Inspection by nondestructive testing Development of recommendations for performance of repair	2016
JSC Meleuz mineral fertilizers, Meleuz, RF	Replacement of evaporation section tubes (item T-10, ammonium nitrate unit)	Inspection by nondestructive testing Development of measures for performance of repair	2015
JSC Grodno Azot, Grodno, Belarus	Inspection of corrosion and technical condition of synthesis reactor item R-201, high-pressure scrubber item E-203, high-pressure stripper item E-201, high-pressure condenser item E-202 at urea unit 3 and urea unit 4	Inspection by nondestructive testing Development of recommendations for performance of repair	2015
Nitrogénművek Zrt., Pétfürdő Hungary	Corrosion and technical inspection of stripper item E-201 (urea production unit)	Nondestructive testing Development of recommendations for equipment operation and repair	2015
PJSC Azot, Cherkassy, Ukraine	Development of technical documentation and execution of works on replacement three lining belts of cylindrical section of urea synthesis reactor.	Development of technical documentation for repair works Instrumental monitoring of works being executed	2015
JSC Minudobreniya, Rossosh, Russia	Inspection of heat exchanging tubes of nitrous gases coolers of second stage (nitric acid production unit AK-72)	Nondestructive testing Development of recommendations for equipment operation and repair	2015

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
PJSC TogliattiAzot, Togliatti, Russia	Corrosion and technical inspection of the main process equipment, pipelines and valves for urea plant No.1,2	Nondestructive testing Development of recommendations for equipment operation and repair	2015
JSC PhosAgro Cherepovets, Russia	Inspection of pressure vessels' heat exchanger tubes at units of JSC PhosAgro Cherepovets	Nondestructive testing Development of recommendations for equipment operation and repair	2015
PJSC DniproAZOT, Dneprodzerzhinsk, Ukraine	Technical inspection of heat exchanger equipment (urea unit No.1, urea unit No.2)	Nondestructive testing Development of recommendations for equipment operation and repair	2014
JSC Grodno Azot, Grodno, Belarus	Diagnostic inspection of HP urea synthesis reactor item R-201, HP stripper item E-201, HP scrubber item E-203 (urea unit No.3); HP stripper item E-201, HP condenser item E-202, additional heat exchanger section for preheater item E-302 (urea unit No.4)	Nondestructive testing Development of recommendations for equipment operation and repair	2014
JSC Grodno Azot, Grodno, Belarus PJSC Azot, Cherkassy, Ukraine	Replacement of two lining belts (urea synthesis reactor item R-201, urea unit No.3)	Technical documentation development Instrumental monitoring of works being executed	2014
	Corrosion and technical inspection of gas pipelines, HP heat exchangers, tanks and vessels of unit M-6 (synthesis reactor item R-201, stripper item E-201, condenser item E-202, pipelines reg. No 481, 532, 534, 535)	Nondestructive testing Development of recommendations for equipment operation and repair	2014
PJSC Azot, Cherkassy, Ukraine DniproAZOT Dneprodzerzhinsk, Ukraine	Inspection of heating chamber exchanging tubes (evaporation unit item 5/1 and 5/2, plant M-9)	Nondestructive testing Development of recommendations for equipment operation and repair	2014
	Corrosion and technical inspection of lining and internal devices of urea unit no.1 (reactor,	Nondestructive testing	2014

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
	stripper, condenser, scrubber) and urea unit no.2 (reactor, stripper, condenser, scrubber)	Development of recommendations for equipment operation and repair	
PJSC Kuibyshev Azot, Togliatti, Russia	Corrosion and technical inspection of main process equipment for urea unit No.4	Nondestructive testing Development of recommendations for equipment operation and repair	2014
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Corrosion inspection of heat-exchange equipment (urea unit No.3 (train 2))	Nondestructive testing Development of recommendations for equipment operation and repair	2014
Private JSC Severodonetsk Azot Association, Severodonetsk, Ukraine	Corrosion and technical inspection of synthesis reactors internal surface (urea unit M-3)	Nondestructive testing Development of recommendations for equipment operation and repair	2013
PJSC Azot, Cherkassy, Ukraine	Technical diagnostics of reformer and heat-exchange equipment for unit A-5	Nondestructive testing Development of recommendations for equipment operation and repair	2013
JSC Grodno Azot, Grodno, Belarus	Corrosion inspection of urea synthesis reactor for urea unit No. 4.	Nondestructive testing Development of recommendations for equipment operation and repair	2013
JSC Grodno Azot, Grodno, Belarus	Technical assessment of urea synthesis reactor and HP condenser for urea unit No.3	Nondestructive testing Development of recommendations for equipment operation and repair	2013
JSC Azot, Kemerovo, Russia	Technical assistance for synthesis reactor repair	Technical documentation development Technical supervision for repairs works Quality control of the works performed	2013
LLC PK Agro-Cherepovets, Cherepovets, Russia (PhosAgro company)	Inspection of heat-exchange tubes of vessels operating under pressure in units of JSC PhosAgro-Cherepovets	Nondestructive testing Development of recommendations for equipment operation and repair	2013
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Corrosion and technical inspection of main process	Nondestructive testing	2013

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
	equipment (urea unit No.3 (first train))	Development of recommendations for equipment operation and repair	
PJSC Acron, Veliky Novgorod, Russia	Inspection of heat-exchange tubes of condenser item T-506 (urea unit No.5 of PJSC Acron)	Nondestructive testing Development of recommendations for equipment operation and repair	2013
PJSC Acron, Veliky Novgorod, Russia	Corrosion and technical inspection of urea synthesis reactor K-501 (urea unit No. 5) of PJSC Acron	Nondestructive testing Development of recommendations for equipment operation and repair	2013
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Corrosion inspection using eddy current testing of equipment (unit No. 2A, 12A)	Nondestructive testing Development of recommendations for equipment operation and repair	2013
JSC Achema, Lithuania	Corrosion inspection of urea synthesis reactor (Ø1600mm) and HP mixer	Nondestructive testing Development of recommendations for equipment operation and repair	2013
FNTC Group spol.s r.o, Czech Republic	Corrosion and technical inspection of urea unit equipment, ammonium nitrate and nitric acid units for JSC Farg'onaazot	Nondestructive testing Development of recommendations for equipment operation and repair	2013
JSC Azot, Cherkassy, Ukraine	Corrosion and technical inspection of equipment (urea unit M-2)	Nondestructive testing Development of recommendations for equipment operation and repair	2013
JSC Grodno Azot, Grodno, Belarus	Inspection of absorber ferromagnetic heat-exchange tubes (ammonia unit No.4)	Nondestructive testing Development of recommendations for equipment operation and repair	2013
Razi Petrochemical Company Iran	Corrosion inspection of urea unit	Nondestructive testing Development of recommendations for equipment operation and repair	2012-2013
PJSC Acron, Veliky Novgorod, Russia	Corrosion and technical inspection of distillation column item 7/2 (urea unit)	Nondestructive testing Development of recommendations for equipment operation and repair	2012

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
JSC Salavat Neftekhimremstroy, Salavat, Russia	Repair of urea synthesis reactor item 6-1, 6-2 (Gas and Chemical plant «Gasprom nephtehim Salavat», unit No.50)	Inspection Repairs works Quality control of the works performed	2012
JSC Grodno Azot, Grodno, Belarus	Heat-exchanger tubes inspection (HP equipment of urea unit No.3)	Nondestructive testing	2012
JSC Azot, Cherkassy, Ukraine	Ferromagnetic inspection of heat-exchanger tubes (item 1140-C, ammonia unit A-5)	Nondestructive testing	2012
JSC Azot, Cherkassy, Ukraine	Corrosion and technical inspection of equipment (urea unit M-6)	Nondestructive testing Development of recommendations for equipment operation and repair	2012
JSC Azot, Kemerovo, Russia	Emergency repair of the lining of synthesis reactor item R-901 (urea unit).	Location of the defect Reactor body repair Quality control of the works performed	2012
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Corrosion and technical inspection of equipment (urea unit No.2)	Nondestructive testing Development of recommendations for equipment operation and repair	2012
PJSC Concern Stirol, Gorlovka, Ukraine	Complex repair of synthesis reactor item R-901 (urea unit, location 1)	Technical documentation development Repair works Technical supervision for repairs works Technical inspection of the works performed.	2012-2013
PJSC Concern Stirol, Gorlovka, Ukraine	Emergency repair of synthesis reactor item R-901 (urea unit, location 1)	Location of the defect Reactor body repair Technical inspection of the works performed	2012-2013
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Corrosion and technical inspection of main process equipment (urea unit No.3, second train)	Nondestructive testing	2012

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
PJSC Acron, Veliky Novgorod, Russia	Lining replacement of synthesis reactor item 6/4 (urea unit)	Technical documentation development Technical supervision for repairs works Quality control of the works performed	2012-2013
UralChem, JSC Azot, Berezniki, Russia	Repair of cylindrical section of the lining of synthesis reactor item R- 901 (urea unit)	Corrosion and technical inspection of lining Technical documentation development Technical supervision for repairs works Quality control of the works performed.	2012
JSC Gazprom Neftekhim Sal avat Salavat, Russia	Lining replacement of the bottom parts of urea synthesis and distillation columns (urea unit No.50)	Technical documentation development	2012
LLC PK Agro- Cherepovets, Cherepovets, Russia (PhosAgro company)	Corrosion and technical inspection of main process equipment (urea unit).	Nondestructive testing Development of recommendations for equipment operation and repair	2012
JSC Azot, Kemerovo, Russia	Emergency repair of the heat exchanger cover item E-902bis (urea unit)	Location of the defect Assistance for repairs works	2012
PJSC Togliattiazot, Togliatti, Russia	Emergency repair of the lining of HP stripper of urea unit	Location of the defect Assistance for repair works	2012
JSC Gazprom Neftekhim Sala vat, Salavat, Russia	Emergency repair of synthesis reactor 6/1 (urea unit No.50).	Location of the defect Assistance for repair works	2011
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Corrosion and technical inspection of main process equipment (urea unit No. 3, first train)	Inspection	2011
JSC Odessa Port Plant, Yuzhny, Ukraine	Corrosion and technical inspection of high pressure equipment (urea unit No. 2)	Inspection	2011
PJSC Acron, Veliky Novgorod, Russia	Corrosion and technical inspection of urea	Inspection	2011-2012

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
	synthesis reactor (urea unit No. 5)		
UralChem, JSC Azot, Berezniki, Russia	Repair of the lining of urea unit synthesis reactor	Location of the defect Assistance for repair works	2011
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Replacement of two cylindrical lining belts in urea reactor (urea unit 2A)	Technical documentation development Technical supervision for repair works Quality control of the works performed	2011
LLC PK Agro-Cherepovets, Cherepovets, Russia (PhosAgro company)	Cleaning of heat-exchange equipment of evaporation section (first stage)	Removing scales from evaporating section (first stage) tubes by thermo-pneumo-abrasive method	2011
PJSC Acron, Veliky Novgorod, Russia	Technical assistance for whole relining of urea synthesis reactor item 6/2 of urea unit	Technical documentation development Technical supervision for repair works Quality control of the works performed	2011
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Corrosion and technical inspection of equipment (units No.2, No.2A)	Inspection	2011
JSC DniproAZOT Dneprodzerzhinsk, Ukraine	Corrosion and technical inspection of equipment (urea unit No.1 and urea unit No.2)	Nondestructive testing Recommendation development for repairs works Technical supervision for repair works	2011-2012
JSC Concern Stirol, Gorlovka, Ukraine	Corrosion and technical inspection of sections No.1 and No.2 (urea unit)	Inspection	2011
JSC Odessa Port Plant, Yuzhny, Ukraine	Corrosion and technical inspection of equipment (urea units No.1 and No.2)	Inspection	2010
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Corrosion and technical inspection of equipment (urea unit No.2)	Inspection	2010
	Technical assistance for partial relining of synthesis reactor 6/3	Technical documentation development	2010

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
		Technical supervision for repair works	
PJSC Acron, Veliky Novgorod, Russia	Corrosion inspection of urea synthesis reactor 6/2	Inspection	2010
	Industrial safety expertise	Diagnostics of urea synthesis reactor 6/1 and 6/4	2010
	Cleaning of heat-exchange equipment of MP distillation	Removing scales from heat-exchange tubes by pneumocurrent method	2010
Azot, Cherkassy, Ukraine	Corrosion inspection of equipment (urea unit M-2 and M-6)	Inspection	2010
	Relining of upper part of urea synthesis reactor (unit M-2)	Development of technical documentation Repairs works Quality control of the works performed	2010
LLC PK Agro-Cherepovets, Cherepovets, Russia (PhosAgro company)	Corrosion and technical inspection of urea unit equipment	Nondestructive testing	2010
JSC DniproAzot, Dneprodzerzhinsk, Ukraine	Corrosion and technical inspection of equipment (urea unit No.1 and urea unit No. 2)	Inspection	2010
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Technical guidance for relining of synthesis reactor 6/2	Technical documentation development Technical supervision for repairs works Quality control of the works performed	2010
JSC Azot, Kemerovo, Russia	Corrosion inspection of urea synthesis reactor	Inspection	2010
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Corrosion and technical inspection of equipment (urea units No.2 and No.2a)	Inspection	2009
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Industrial safety expertise of technical means (urea unit No.2)	Corrosion and technical inspection	2008

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Repair of the lining of synthesis reactor, separator and stripper (urea unit No.3)	Technical assistance	2008
JSC Azot, Kemerovo, Russia	Repair of urea synthesis reactor	Development of technical documentation and technical guidance for urea synthesis reactors repair	2008
JSC DniproAzot, Dneprodzerzhinsk, Ukraine	Industrial safety expertise of technical means	Corrosion and technical inspection	2008
R&D Institute of Measurement Systems, Nizhny Novgorod, Russia	Process diagnostic to determine the remaining service life of equipment and pipelines of treatment facilities	Inspection	2007
JSC Rikor Electronics, Arzamas, Russia	Industrial safety expertise of technical means	Equipment diagnostics	2007
LLC PK Agro- Cherepovets, Cherepovets, Russia (PhosAgro company)	Industrial safety expertise of pressurized vessels (urea unit)	Equipment diagnostics	2007
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Repair of two lining belts (urea reactor)	Development of technical documentation Accessories manufacture supervision for repairs works Technical supervision for repairs works Instrumentation control over the performed works	2007
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Inspection of stripper tubes by eddy-current method	Inspection	2007
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Corrosion inspection of stripper	Inspection	2007
JSC Farg'onaazot, Uzbekistan	Corrosion inspection of main vessels and pipelines (urea unit)	Inspection	2007
JSC DniproAzot, Dneprodzerzhinsk, Ukraine	Corrosion and technical inspection of HP reactor, stripper, condenser (unit No.2)	Inspection Repair procedure development Repairs works	2007

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
EQUIPMENT SUPPLY (most important cases)			
For production complexes			
PJSC Metafrax, Gubakha, Russia	Ammonia-urea-melamine complex	Equipment supply for OSBL facilities	2016-2021
PJSC Metafrax, Gubakha, Russia Casale SA, Switzerland	Ammonia-urea-melamine complex	Equipment supply for prilling tower construction	
JSC Ammoni, Mendeleevsk, Russia	Ammonia- methanol-urea complex	Equipment supply for OSBL facilities	2010-2015
For ammonia plants			
JSC PhosAgro, Cherepovets, Russia	Ammonia production unit AM-3 (capacity 2200 MTPD)	Equipment supply for analytical laboratory	2016-2017
For nitric acid plants			
JSC Apatit (PJSC PhosAgro), Cherepovets, Russia	Non-concentrated nitric acid production unit UKL- 7-76M with capacity 135 000 MTPY (monohydrate)	Equipment supply	2018-2019
For urea plants			
Not specified under the terms of confidentiality	Urea plant technical upgrade	Supply of equipment and materials	2024 – Present time
PJSC Togliattiazot, Togliatti, Russia	Urea production unit	Supply of distribution tubes for stripper	2024 – Present time
KAO Azot, Kemerovo, Russia	Urea production unit	Supply of conversion booster	2024 – Present time
Not specified under the terms of confidentiality	Urea production unit	Supply of urea grade steel parts	2024
Not specified under the terms of confidentiality	Urea production unit	Equipment supply (tray for synthesis reactor, accessories for stripper)	2023-2024
JSC OHK UralChem, Azot branch, Berezniki, Russia	Technical upgrade of the synthesis reactor for urea production	Equipment supply Equipment installation	2022
MOPCO, Egypt	Urea production unit	Equipment supply Equipment installation (lining elements of reactor 322R001)	2022
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	UAN production unit on the basis of Urea-2 unit with capacity of 1200 MTPD	Supply of packaged unit	2020-2021
KAO Azot,	Urea production unit	Equipment supply (vortex mixer)	2021

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
Kemerovo, Russia			
PJSC Acron, Veliky Novgorod, Russia	Technical upgrade of urea unit	Critical equipment supply	2020
Chambal Fertilizers and Chemicals Limited (CFCL), India	Supply of vortex mixer for urea synthesis reactor in order to save energy, as well as services on equipment installation in the urea synthesis reactor No.1	Equipment supply Equipment installation	2018
PJSC Acron, Veliky Novgorod, Russia	Urea unit No.6 construction with capacity of 600 MTPD	Equipment supply	2017-2018
Rashtriya Chemicals and Fertilizers Ltd., Mumbai, India	Urea reactors modernization at RCF Urea plant, Thal, India	Equipment supply (set of internals) for urea reactors Equipment installation (three sets of internals) for urea reactors	2017-2018
Gujarat Narmada Valley Fertilizers & Chemicals Ltd, India	Urea reactor modernization	Supply and installation of equipment (vortex mixer) for synthesis reactor	2017
PJSC KuibyshevAzot, Togliatti, Russia	Technical upgrade of urea unit No.4 (evaporation, hydrolysis and desorption sections)	Equipment supply	2016-2017
Rashtriya Chemicals and Fertilizers Ltd., Mumbai, India	RCF Trombay V urea unit modernization	Equipment supply (set of internals) for urea reactor Equipment installation (set of internals) for urea reactor	2015 -2016
Casale SA, Switzerland	Urea unit and new prilling tower construction (capacity 2200 MTPD) at TogliattyAzot site	Equipment supply for prilling tower and new urea reactor auxiliary devices	2015-2022
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Revamp of urea unit 2 (gas vent elimination)	Equipment supply	2012-2015
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Technical upgrade of urea unit No.2	Equipment supply	2013-2016
EuroChem, NAK Azot, Novomoskovsk, Russia	32,5% urea solution production unit (capacity 100000 TPY) including urea solution treatment unit on the basis of urea plant No.2 evaporation unit	Equipment supply	2013-2015



CUSTOMER	PROJECT	NIIK SCOPE OF SERVICES	YEAR
Nagarjuna Fertilizers and Chemicals Limited, India	Modernization of synthesis section at urea unit No.2, NFCL, India	Equipment supply (vortex mixer for synthesis reactor)	2013
PJSC Acron, Veliky Novgorod, Russia	Urea units (1-4) revamp aimed at capacity increase up to 2000 MTPD and feedstock/energy saving	Equipment supply	2016
PJSC Azot, Cherkassy, Ukraine	Design and supply of HP stripper item E-201 in order to ensure capacity increase up to 1500 MTPD (urea unit M-2)	HP stripper supply	2011-2012
JSC Azot, Kemerovo, Russia	Urea unit revamp with high speed drum granulator installation	Equipment supply	2011-2013
PJSC Acron, Veliky Novgorod, Russia	Evaporation system and capacity increase of prilling tower of urea unit	Equipment supply	2011-2013
JSC Maxam-Chirchik, Chirchik, Uzbekistan	Modernization and technical upgrade of urea unit	Equipment supply Commissioning	2010-2012
JSC Azot, Berezniki, Russia	Synthesis reactor modernization at urea unit	Supply of Internal Devices Installation supervision	2010
JSC Salavatnefteorgsintez Salavat, Russia	Revamp of prilling towers for urea unit No.24	Equipment supply Commissioning	2009-2010
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Urea evaporation unit for melamine production	Equipment supply	2008-2010
LLC PK Agro-Cherepovets, Cherepovets, Russia (PhosAgro company)	Prilling tower for urea unit (capacity of 1500 MTPD)	Equipment supply	2008-2012
PJSC Acron, Veliky Novgorod, Russia	Urea unit No.5 on the basis of portable equipment	Equipment supply	2007-2011
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Revamp of urea unit No.3 with capacity increase to 2000 MTPD	Material supply	2007-2010
CJSC Severodonetskoe Obyedinenie Azot, Severodonetsk, Ukraine	Urea unit revamp with capacity increase from 1200 up to 1500 MTPD	Equipment supply	2007-2010
PJSC KuibyshevAzot, Togliatti, Russia	Revamp of urea unit with capacity increase	Equipment supply Installation supervision	2007-2008

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
CJSC Severodonetskoe Obyedinenie Azot, Severodonetsk, Ukraine	Urea unit revamp with capacity increase from 1000 up to 1200 MTPD	Equipment supply	2006-2007
LLC PK Agro-Cherepovets, Cherepovets, Russia (PhosAgro)	Revamp of distillation section with capacity increase	Equipment supply	2007
JSC Salavatnefteorgsintez Salavat, Russia	Revamp of urea unit No.50	Equipment supply	2006 –2008
JSC Azot, Kemerovo, Russia	Revamp of synthesis section of urea unit	Procurement of internals for reactor item R-101	2006
JSC Grodno Azot, Grodno, Belarus	Revamp of urea production unit, installation of recuperator	Installation supervision Equipment supply	2006
PJSC Acron, Veliky Novgorod, Russia	Installation of the 5 th urea synthesis reactor	Equipment supply	2006
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Revamp of urea production unit No.2	Equipment supply Installation supervision	2006
JSC Azot, Kemerovo, Russia	Revamp of synthesis section of urea unit	Supply of internals for reactor item R-101 Installation supervision	2006
For ammonium nitrate plants			
TOO KazAzot, Aktau, Kazakhstan	Ammonium nitrate production unit revamp: HSDG for granulated ammonium nitrate manufacturing	Equipment supply	2011-2012
For storages			
JSC Pervouralsky novotrubny zavod, Perovuralsk, Russia	Revamp of liquid ammonia storage unit No.33	Equipment supply	2006-2007
JSC Zavolzhsy Motorny Zavod, Zavolshye, Russia	Revamp of sulphuric acid storage unit	Equipment supply for turnkey project	2006-2007
	Petrol storage unit	Equipment supply for turnkey project	2006
JSC Nizhegorodsky mashinostroitelnny zavod, Russia	Revamp of chlorine storage unit and chlorination chamber	Equipment supply for turnkey project	2006-2007
For other facilities			
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Wet scrubbing unit for dusty air – foam hydrofilter of urea unit	Equipment supply	2019
QAFCO (Qatar Fertilizer Company),	Multipurpose High Speed Drum Granulation	Equipment supply	2014-2015

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
Qatar	(HSDG) Pilot Unit for production of Granulated Urea with additives, capacity 100 kg per hour	Instalaltion supervision, Commissioning	
PVFCCo, Phu My I, Ba Ria Vung Tau, Vietnam	Installation of fertilizer production unit with a project capacity of 100 kg/h for production of multi-component fertilizers in high-speed drum granulator (HSDG)	Equipment supply Installation supervision Commissioning	2014-2015
JSC Zawolzhsky Motorny Zawod, Zavolshye, Russia	Project development and construction of testing station for diesel engines	Equipment supply for turnkey project	2009
For equipment repair works			
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Repair of Urea reactor item 11-R-1 at Urea-3(1) unit	Supply of lining elements	2024
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Repair of Urea reactor item 11-R-1 at Urea-3(1) unit	Supply of lining elements	2024
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Repair of cylindrical section of the lining of synthesis reactor item 6/1, unit No.2 at JSC Nevinnomyssky Azot	Equipment supply	2021
JSC Meleuz mineral fertilizers, Meleuz, Russia	Replacement of heat-exchange tubes of equipment item T-10 at ammonium nitrate production unit AS-72M	Steel structures supply for repairs works	2017
JSC Grodno Azot, Grodno, Belarus	Repair of the lining of the synthesis reactor neck (item R-201, Urea-3 unit)	Steel structures supply for repairs works	2017
Egyptian Fertilizers Company (EFC), El Ain Sukhna, Egypt	Lining repairs works at urea reactor item 322-R-00	Steel structures supply for repairs works	2016
JSC Meleuz mineral fertilizers, Meleuz, Russia	Replacement of old tubes of evaporation unit (item T-10, ammonium nitrate production unit)	Equipment supply	2015
JSC Grodno Azot, Grodno, Belarus	Repair of two lining belts (urea synthesis reactor item R-201, urea plant No.3)	Steel structures supply for repairs works	2014

CUSTOMER	PROJECT	НИИК SCOPE OF SERVICES	YEAR
JSC Grodno Azot, Grodno, Belarus	Corrosion inspection of urea synthesis reactor (urea plant No.4)	Steel structures supply for repairs works	2013
JSC Azot, Kemerovo, Russia	Technical assistance for synthesis reactor repair	Steel structures supply for repairs works	2013
PJSC Concern Stirol, Gorlovka, Ukraine	Complex repair of synthesis reactor item R- 901 (urea unit, location 1)	Steel structures supply for repairs works	2012-2013
PJSC Acron, Veliky Novgorod, Russia	Lining replacement of synthesis reactor item 6/4 (urea unit)	Steel structures supply for repairs works	2012-2013
UralChem, JSC Azot, Berezniki, Russia	Repair of cylindrical section of the lining of synthesis reactor item R- 901 (urea unit)	Steel structures supply for repairs works	2012
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Repair of two cylindrical lining belts in urea reactor (urea unit 2A)	Steel structures supply for repairs works	2011
PJSC Acron, Veliky Novgorod, Russia	Installation of internal devices into urea unit reactor No.5	Steel structures supply for repairs works	2011
PJSC Acron, Veliky Novgorod, Russia	Technical assistance for relining of urea synthesis reactor item 6/2 of urea plant	Steel structures supply for repairs works	2011
JSC Azot, Cherkassy, Ukraine	Relining of upper part of urea synthesis reactor (plant M-2)	Steel structures supply for repairs works	2010
JSC NAK Azot, Novomoskovsk, Russia (JSC MHK EuroChem)	Technical assistance for partial relining of synthesis reactor 6/2	Steel structures supply for repairs works	2010
JSC Nevinnomyssky Azot, Nevinnomyssk, Russia (JSC MHK EuroChem)	Repair of two lining belts (urea reactor)	Accessories manufacture supervision for repairs works	2007
PJSC Kuibyshev Azot, Togliatti, Russia	Revamp of urea unit storage	Installation supervision Commissioning works	2007
JSC Fertalge Industries, Algeria	Prilling tower for urea unit	Installation supervision	2002-2005