

*Reference List
of major production plants
putting into operation with participation
of Severodonetsky ORGHIM specialists during 1994-2010*

CHEMICAL INDUSTRY

- 1994 – Sebazine acid Production Complex with the production capacity of 10 thousand tons per year at Severodonetsk State Production Enterprise "Production Association Azot" (Severodonetsk, Ukraine).
- 1995 – Methanol Production Plant with the production capacity of 40 thousand tons per year (project of Gosniimethanolproject (Harbin, China).
- 1998 – Urea Unit of CHEPOS company (Czech Republic) at Azot Production Association (Cherepovets, Russia).
- 2000 – Methanol Production Plant with the production capacity of 450 thousand tons per year, supplied by Ammonia Kazale (Italy) (Togliatty, Russia).
- 2003 – Methanol Production Plant M-300 at Azot Production Association (Novomoskovsk, Russia).
- 2003 – Nitric Acid and Ammonium Nitrate Production Plants at Azot Production Association (Ferghona, Uzbekistan).
- 2005 – complex of objects at Kungrad Soda Ash Plant (Nukus, Uzbekistan).
- 2005 – Ammonia Production Plant AM-76 at OJSC Farg'onaazot (Ferghona, Uzbekistan).
- 2005-2006 - Ammonia Production Plant AM-80 of JSC ACHEMA (Ionava, Lithuania).
- 2007-2009 – Urea and Methanol Production Plants of JSC ACHEMA (Ionava, Lithuania).
- 2008 – Ethylene and polycarbonates plant of Kazanorgsintez (Kazan, Russia)
- 2009 - Methanol Production Plant of AKRON (Velikiy Novgorod, Russia)
- 2010 – Ammonia Synthesis Section modernization of AM-76 at OJSC Farg'onaazot (Ferghona, Uzbekistan).

HYDROCARBONS STORAGE AND HANDLING

- 2000 – 2-nd and 3-rd stages of St. Petersburg Crude Oil Terminal (St. Petersburg, Russia).
- 2001 – equipment of Terminal and Port facilities of Sea Oil Handling Terminal Yuzhniy (Odessa, Ukraine).
- 2003 – Methanol Handling Terminal at Vostochniy port (Nakhodka, Russia).
- 2003 – Isothermal Storage of Liquid Ammonia at Severodonetsk State Production Enterprise "Production Association Azot" (Severodonetsk, Ukraine).
- 2005 – Methanol Handling Complex of CJSC Azovproduct (Azov, Russia).
- 2008-2009 - Technology complex "Chinarevsk - Rostoshi (oil pipeline and oil terminal) (West Kazakhstan Region, Republic of Kazakhstan).

CRUDE OIL REFINING INDUSTRY

PRIMARY CRUDE OIL AND GAS CONDENSATE DISTILLATION UNITS

- 1995 – Atmospheric Distillation Unit of CHEPOS company (Czech Republic) at OJC VNK Tomskneft Refinery (Strezhevoy, Russia).
- 1996 – Atmospheric Distillation and Desalter Unit and Bitumen Unit at Territorial Production Enterprise Kogalymneftegaz of NK OJSC Lukoil (Kogalym, Russia).
- 1996 - Atmospheric Distillation and Desalter Unit of Petrofac company (USA) at OJSC Tomskneft Refinery (Strezhevoy, Russia).
- 1998 - Hi-Tek 2000 Unit of JP Redd company (USA) at OJSC Sahaneftgaz (Vitim, Yakutia, Russia).
- 1998 - Atmospheric Distillation and Desalter Unit of Propac company (Canada) at Karachaganak motor oils Plant, Condensate JSC (Aksay, Kazakhstan).
- 1999 - Atmospheric Distillation and Desalter Unit and Bitumen Unit at mini-refinery of OJSC Taas-Yuryakhneft (Taas-Yuryakh, Yakutia, Russia).

1999 – 2000 - Atmospheric Distillation and Desalter Unit, USN-1 and USN-2 Crude Oil Stabilization Units at JSC Nizhnevartovsk oil-refining Association TNC (Nizhnevartovsk, Russia).

2000 - Atmospheric Distillation and Desalter Unit at Shebelinka Gas Processing Plant (Andreevka, Ukraine).

2001 - Atmospheric Distillation Unit of JP Redd company (USA) at mini-refinery of CJSC Kaspiy-1 (Makhachkala, Russia).

2001 – reconstruction of Atmospheric-Vacuum Distillation Unit at JSC "Nizhnevartovsk oil-refining association" TNC (Nizhnevartovsk, Russia).

2002 - Marine Engines Fuel Compounding Unit at Vanino port (Khabarovskiy Kray, Russia).

2002 - Atmospheric Distillation Unit at mini-refinery of CJSC Kaspiy-1 (Makhachkala, Russia).

2003 – mini-refinery with the production capacity of 30 thousand tons per year of CJSC Arktikneft (Island Kolguyev, Russia).

2003 - Atmospheric Distillation and Desalter-2 Unit at OJSC Komsomolskiy Refinery-Rosneft (Komsomolsk-on-Don, Russia).

2005 - Atmospheric Distillation and Desalter Unit-300 at OOO Azov Oil Company Refinery (Mariupol, Ukraine).

2007 - Atmospheric Distillation and Desalter Unit at Shebelinka Gas Processing Plant (Andreevka, Ukraine).

2009 - Atmospheric Distillation and Desalter-2,5 Unit at OJSC Novoshakhtinsk Refinery (Novoshakhtinsk, Russia).

2010 - Atmospheric Distillation and Desalter Unit (2d stage) at Antipinsk Refinery (Tyumen, Russia)

2010 - Condensing Section of weathering and stabilization gases at Karachaganak motor oils Plant, Condensate JSC (Aksay, Kazakhstan).

DOWNSTREAM CRUDE OIL AND GAS CONDENSATE PROCESSING UNITS

1994 – Catalytic Creaking Complex at OJSC Linos (Lisichansk, Ukraine).

1996 – Hydrogen Production Unit at OJSC Ukrnafta (Kremenchug, Ukraine).

1996 – Catalytic Reformer of Petrofac company (USA) at Condensate Stabilization Plant of OJSC Surgutgazprom (Surgut, Russia).

1996 – Hydrotreating Unit and Catalytic Reformer of Petropac company (USA) at OJC VNK Tomskneft Refinery (Strezhevoy, Russia).

1997 – Catalytic Reforming Unit of UOP company at Shebelinkagazprom Branch (Andreevka, Ukraine).

1997 – Ceoforming at Sosnogorsk Gas Processing Plant of OOO Severgazprom (Sosnogorsk, Russia).

2001 – Catalytic Reformer at OJSC Komsomolsky Refinery Rosneft (Komsomolsk-on-Amur, Russia).

2002 – Road Bitumen Production Unit at Nizhnekamsk Refinery (Nizhnekamsk, Russia).

2002 – Low Temperature Izomerization Unit of Gasoline cuts at OJSC Komsomolsky Refinery Rosneft (Komsomolsk-on-Amur, Russia).

2002 – Section 100 of Reformer, Section 400 of Prehydrotreater of gasoline cut LKS 35-64 at Condensate Stabilization Plant of OJSC Surgutgazprom (Surgut, Russia).

2003 – Hydrogen Plant at Nizhnekamsk Refinery (Nizhnekamsk, Russia).

2003 – Visbreaking Unit at Nizhnekamsk Refinery (Nizhnekamsk, Russia).

2003 – Hydrodevaxing Unit of Diesel Fuel GDS-850 at OJSC LUKOIL – Ukhtaneftepererabotka (Ukhta, Russia).

2004 – Medium Temperature Isomerization of Gasoline cuts at Khabarovsk Refinery (Khabarovsk, Russia).

2004 – Oligomerization Unit (Synthetic Motor Oils Production) at OOO Tatneft – Nizhnekamskneftekhim-Oil (Nizhnekamsk, Russia).

2004 - Low Temperature Izomerization Unit of Gasoline cuts at OJSC LUKOIL – Odessa Refinery (Odessa, Ukraine).

2004 – Visbreaking Unit of Atmospheric Distillation-Desalter and Vacuum Distillation Units at Saratov Refinery (Saratov, Russia).

2004 – Section 200 and Section 300 of LKS 35-64 at Condensate Stabilization Plant of OJSC Surgutgazprom (Surgut, Russia).

2005 – Gasoline cuts Izomerization Unit at Lisichansk Refinery of OOO Linos (Lisichansk, Ukraine).

2006 – Reformers with Prehydrotreaters at CJSC JV Kaspiy-1 (Makhachkala, Dagestan).

2005-2007 – Complex of Crude oil advanced processing Units (Gasoline Hydrotreating Unit, Diesel Fuel Hydrotreating Unit and Diesel Fuel Dewaxing Unit, Isomerization Unit, Sulphur Recovery Unit, Hydrogen Generating Unit) at Atyrau Refinery TOO (Atyrau, Kazakhstan).
2007 – Hydrotreating unit of light gasoline cuts at OJSC Lukoil – Volgogradneftepererabotka (Volgograd, Russia)
2007 – Unit of Gasoline cuts Preliminary Hydrotreating at OJSC Achinsk Refinery (Achinsk, Krasnoyarsky Krai, Russia).
2008 - Low Temperature Izomerization Unit of Gasoline cuts and Visbreaking Unit at OJSC LUKOIL – Odessa Refinery (Odessa, Ukraine).
2009 - Hydrogen Production Unit at Pavlodar Refinery (Pavlodar, Kazakhstan)
2009 - Hydrogen Production Unit at Syzran Refinery (Syzran, Russia)

GAS PROCESSING INDUSTRY

1996-1999 – Sulphur Recovery Units (Claus and Sulfrin processes) at Astrakhan Gas Processing Plant (Astrakhan, Russia) and Tengiz Gas Processing Plant (Tengiz, Kazakhstan).
1998 – Propane-Butane Production Unit, Methanol Regeneration, Storage and Shipment of Propane-Butane at Yulievsk Oil and Gas field (Merchik, Ukraine).
2000 - Unit of Propane-Butane Production by cryogenic method at Yablunivsk Gas Processing Plant (Lokhvitsa, Ukraine).
2000 - Unit of Propane-Butane Production by absorption method at Head Works of Solokha (Kotelva, Ukraine).
2001 – Gas Processing Plant supplied by Iran at Korpedzhe Gas Field (Turkmenistan).
2001 - Repressuring Station at Head Works of Solokha (Oposhnya, Ukraine).
2002 – Gas Preparation Unit at Lokachi Gas Field (Lokachi, Ukraine).
2004 - Unit of Propane-Butane Production by cryogenic method at Sosnogorsk Gas Processing Plant of OOO Severgazprom (Sosnogorsk, Russia).
2005 - Facilities of the Complex Gas Treatment Unit at the Nakhodka Gas Field of OOO Nakhodkaneftegaz (Nakhodka, Yamalo-Nenets Autonomous District, RUSSIA)
2005 – Stabilization and Fractionation Unit at Purovsk Gas Condensate Processing Plant of OOO Nova ZPK (Tarko-Sale, Yamalo-Nenets Autonomous District, RUSSIA).
2006 – Unit increasing Hydrocarbons Recovery rate from gas at Timofeyevka USP GPU of Poltavagazdobycha (Gadyach, Ukraine).
2006 – Glycol-type Gas Dehydration Unit of Troitsk Gas Treatment Facilities Plant of NK Rosneft-Krasnodarneftegas OAO (Slavyansk-on-Kuban, Russia).
2007-2009 – first stage of the third Zhanazhol Gas processing plant of JSC Aktobemunaigaz (Zhanazhol, Aktyubinsk Region, Republic of Kazakhstan).
2009 - Propane-Butane Production Unit, liquid gases storage and booster compression station at JV "SHORTAN GAZ MAHSULOT" LLC (Karshi, Uzbekistan).

FIELD FACILITIES CONSTRUCTION

2001 – Unit of Extraction of Hydrogen Sulphides and Mercaptans from stabilized crude oil at Teplovsk oil field (Uralsk, Kazakhstan).
2002 – Crude Oil Stabilizing and Loading Station of OOO Yenisey-Usinsk (Usinsk, Komi, Russia).
2004 – Condensate Deethanization Unit at East Tarkosalinsk Gas Condensate Field of OJSC NK Tarkosalneftegaz (Tarko-Sale, Yamalo-Nenets Autonomous District, Russia).
2004 – Crude Oil Stabilizing and Gas Treating Unit of OJSC NK Rosneft – Krasnodarneftegas (Slavyansk-on-Kuban, Krasnodarsk Kray, Russia).
2004 – 2-nd stage objects of Repressuring Station of West Synatysk Oil Field of OOO Yenisey-Usinsk (Usinsk, Komi, Russia).
2005 – Crude Oil Loading Station at Alibek Yuzhniy oil field (Almaty, Kazakhstan).
2005 – Complex Gas Treating Station of Nakhodka gas oifield of OJSC Lukoil-West Siberia (Yamalo-Nenets Autonomous District, Russia).

2006 – Condensate Stabilization Unit of Tarasovskiy Gas Condensate field at Oil company Purneftegaz (Yamalo-Nenets Autonomous District, Russia).
2007 – multiple-well platforms and wells construction; Unit of preliminary Gas Treatment at Khauzak Gas Field (Bukhara Region, Republic of Uzbekistan).
2007-2008 – Unit of crude oil demercaptanization at Chinarevsk crude oil and gas condensate field (West Kazakhstan Region, Republic of Kazakhstan).
2008-2009 - Oil treatment plant and Gas preparation plant of Karakuduk oil field (Mangystau Region, Republic of Kazakhstan)
2009 – Komsomolskoe oil field objects Mangystau Region, Republic of Kazakhstan)
2009 – Gas preparation plant of Kumkol oil field (Kzylorda Region, Republic of Kazakhstan)
2009 – Gas preparation plant of Dungal oil field (Mangustau Region, Republic of Kazakhstan)
2009 – the Korchagin oil production fixed platform LSP-2 of LUKOIL JSC (Astrakhan, Russia)