

REFERENCE LIST

AUGUST 2015



LAUNCH

Developing your plant

Launch a new plant with all technologies, products and services needed for successful and profitable urea production.

ADVANCE

Optimizing your plant

Advance your plant performance with products and services to support and train plant staff and improve equipment and product quality.

EVOLVE

Upgrading your plant

Evolve our plant to the next level with revamp and debottlenecking to increase production capacity and reduce energy consumption.

1. LAUNCH™ – GRASS ROOT UREA MELT PLANTS

Year of order	Tot. cap. mt/d	Unit	Clients	Country	Design	Contractor
2014	1500	1	Phosagro Cherepovets Azot JSC, Cherepovets	Russia	Urea2000Plus™ Pool reactor	Chemoprojekt
2014	1000	1	Dakota Gasification Company, Beulah, North Dakota	USA	Urea2000Plus™ Pool reactor	IHI
2014	1800	1	Agrium, Lone Star, Borger, Texas	USA	Urea2000Plus™ Pool reactor	KBR
2013	2000	1	The State Oil Company of Azerbaijan Republic (SOCAR), Sumgayit	Azerbaijan	Urea2000Plus™ Pool reactor	Samsung Engineering
2013	2860	1	Inner Mongolia Huajin Chemical Co. Ltd., Shuangtaizi District, Panjin City	P.R. China	Urea2000Plus™ Pool condenser	Wuhuan Engineering, China
2013	2200	1	Koch Nitrogen, Enid, Oklahoma	USA	Urea2000Plus™ Pool reactor	KBR
2013	2200	1	OCI – Iowa Fertilizer Company (IFCo), Wever	USA	Urea2000Plus™ Pool reactor	ThyssenKrupp Uhde
2013	2700	1	Inner Linggu Chemical Industry Co. Ltd., Yixing, Linggu	P.R. China	Urea2000Plus™ Pool condenser	China Chengda Engineering, China
2012	2860	1	Inner Mongolia Erdos Chemical Industry Group company Ltd., Qi Pan Jing, Ordos City	P.R. China	Urea2000Plus™ Pool condenser	China Chengda Engineering, China
2012	3500	1	CF Industries, Port Neal, Iowa	USA	Urea2000Plus™ Pool condenser	ThyssenKrupp Uhde
2012	3500	1	CF Industries, Donaldsonville, Louisiana	USA	Urea2000Plus™ Pool condenser	ThyssenKrupp Uhde
2012	1760	1	Bangladesh Government, BCIC, Fenchuganj, Sylhet	Bangladesh	Urea2000Plus™ Pool reactor	China Chengda Engineering, China
2011	3250	1	Pardis Petrochemical Company, Bandar Assaluyeh	Iran	Urea2000Plus™ Pool condenser	Iranian
2011	1575	1	Egyptian Chemical & Fertilizer Industries – KIMA, Aswan	Egypt	Urea2000Plus™ Pool reactor	Tecnimont
2011	1860	1	Hegang Huahe Coal Chemical Industry Ltd., Hegang City, Heilongjiang Province	P.R. China	Urea2000Plus™ Pool reactor	Wuhuan Engineering, China

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2010	2860	1	Inner Mongolia Bodashidi Chemical Co., Industrial Zone Nalin river, Wushen	P.R. China	Urea2000Plus™ Pool condenser	Wuhuan Engineering, China (by Client)
2010	2700	1	Tierra Del Fuego Energia Y Quimica S.A., Rio Grande	Argentina	Avancore®	China Chengda Engineering, China
2010	3600	1	Petroleo Brasileiro S.A. (Petrobras), Tres Lagoas	Brazil	Urea2000Plus™ Pool condenser	KBR, USA
2010	1925	1	Turkmenhimiya State Concern, Mary City	Turkmenistan	Urea2000Plus™ Pool condenser	Kawasaki Plant Systems, Japan
2009	3500	1	Ruwais Fertilizer Industries, Abu Dhabi	United Arab Emirates	Urea2000Plus™ Pool condenser	Uhde, Germany
2009	1760	1	Shaanxi Shanhua Chemicals Fertilizer Co. Ltd, Huaxian, Shaanxi province PRC	P.R. China	Urea2000Plus™ Pool reactor	Hualu Engineering & Technology, China
2008	2200	1	Petroquímica de Venezuela (Pequiven), Puerto Nutrias	Venezuela	Urea2000Plus™ Pool reactor	-
2008	4400	2	Petroquímica de Venezuela (Pequiven), Jose	Venezuela	Urea2000Plus™ Pool reactor	-
2008	2860	1	Hulunbeier New Gold Chemical Co. Ltd, Inner Mongolia	P.R. China	Urea2000Plus™ Pool condenser	Wuhuan Engineering, China (by Client)
2008	3500	1	Yara, Sluiskil	Netherlands	Urea2000Plus™ Pool condenser	Uhde, Germany
2008	1500	1	Cherepovetsky Azot JSC, Cherepovets	Russia	Urea2000Plus™ Pool reactor	Chemoprojekt, Czech Republic
2008	3250	1	Lordegan	Iran	Urea2000Plus™ Pool condenser	Iranian
2008	3250	1	Golestan	Iran	Urea2000Plus™ Pool condenser	Iranian
2008	3250	1	Zanjan	Iran	Urea2000Plus™ Pool condenser	Iranian
2007	3450	1	Sorfert, Arzew	Algeria	Urea2000Plus™ Pool condenser	Uhde, Germany

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2007	4000	2	Egyptian Nitrogen Products Company S.A.E. (ENPC), Damietta	Egypt	CO ₂ Stripping	Uhde, Germany
2007	2700	1	Jianfeng Chemicals, Fuling, Chongqing	P.R. China	Urea2000Plus™ Pool condenser	Chengda Engineering, China
2006	1500	1	Fatima, Sadiqabad	Pakistan	Urea2000Plus™ Pool reactor	Kawasaki Plant Systems, Japan
2006	1925	1	Misr Oil Processing Company (MOPCO), Suez	Egypt	CO ₂ Stripping	Uhde, Germany
2004	1925 2000	1	Egypt Helwan Fertilizers, Helwan	Egypt	CO ₂ Stripping	Uhde, Germany
2004	3250	1	PIDMCO 2, Bandar Assaluyeh	Iran	Urea2000Plus™ Pool condenser	Chiyoda, Japan
2003	1925 2000	1	Egyptian Fertilizer Company (EFC), Ain Sukhna	Egypt	CO ₂ Stripping	Uhde, Germany
2003	1925 2000	1	Alexandria Fertilizer Company (AlexFert), Abu Qir	Egypt	CO ₂ Stripping	Uhde, Germany
2003	3250 3600	1	Saudi Arabian Fertilizer Company (SAFCO), Al Jubail	Saudi Arabia	Urea2000Plus™ Pool condenser	Uhde, Germany
2002	1050	1	Turkmenistan Fertilizers & Chemicals, Tejen	Turkmenistan	Urea2000Plus™ Pool reactor	Krupp Uhde, Germany
2002	2000	1	Kermanshah Petrochemical Company, Kermanshah	Iran	Urea2000Plus™ Pool condenser	MW Kellogg, UK
2001	2700	1	CNCCC, CNOOC, Zhonghai Petrochemical, Dongfang, Hainan Province	P.R. China	Urea2000Plus™ Pool condenser	Kellogg Brown & Root, USA
2001	3250	1	PIDMCO, Bandar Assaluyeh	Iran	Urea2000Plus™ Pool condenser	Chiyoda, Japan
2001	3200 3500	1	Qatar Fertiliser Company (QAFCO), Umm Said	Qatar	Urea2000Plus™ Pool condenser	Krupp Uhde, Germany
1998	1750	1	Egyptian Fertilizer Corporation (EFC), Ain Sukhna	Egypt	CO ₂ Stripping	Krupp Uhde, Germany

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1997	1800	1	Saudi Arabian Fertilizer Company (SAFCO), Al-Jubail	Saudi Arabia	CO ₂ Stripping	Tecnimont, Italy
1997	1200	1	SPIC Fertilizers & Chemicals Company Ltd., Dubai	United Arab Emirates	CO ₂ Stripping	M.W. Kellogg, UK
1997	1050	1	CNCCC, Zepu Petroleum Chemical Plant, Xinjiang Petroleum Adm. Bureau, Zepu, Xinjiang Province	P.R. China	Urea2000Plus™ Pool condenser	Krebs, France
1996	1150	1	DSM, Geleen	Netherlands	Urea2000Plus™ Pool reactor	Uhde, Germany
1996	1750	1	Abu Qir, Alexandria	Egypt	CO ₂ Stripping	Uhde, Germany
1996	1725	1	P.T. Pupuk Kalimantan, Bontang	Indonesia	CO ₂ Stripping	Chiyoda, Japan/ Rekayasa, Indonesia
1995	1670	1	Fauji Fertilizer Company Ltd, Port Qasim	Pakistan	CO ₂ Stripping	Chemoprojekt, Czech Republic
1995	870	1	Heilongjiang Chemical Industry Corp., Qiqihar	P.R. China	CO ₂ Stripping	China Wuhuan Chemical Eng., China
1995	2000	1	CF Industries, Donaldsonville, Louisiana	USA	CO ₂ Stripping	Uhde, Germany
1994	1740	1	Sinopec Urumqi, Xinjiang Province	P.R. China	CO ₂ Stripping	Lanzhou Design Institute, China
1994	2000	1	Qatar Fertiliser Company S.A.Q., Umm Said	Qatar	CO ₂ Stripping	Uhde, Germany
1991	810	1	CF Industries, Donaldsonville, Louisiana	USA	CO ₂ Stripping	The MW Kellogg, USA
1991	1500	1	Khorasan Petrochemical Company (KPC), Bojnurd	Iran	CO ₂ Stripping	M.W. Kellogg, UK
1990	1725	1	Karnaphuli Fertilizer Co. Ltd, Chittagong (KAFCO)	Bangladesh	Urea2000Plus™ Pool condenser	Chiyoda, Japan
1990	2000	1	Saskferco Products Inc., Belle Plaine Saskatchewan	Canada	CO ₂ Stripping	Uhde, Germany

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1990	1800	1	Saudi Arabian Fertilizer Company (SAFCO), Al-Jubail	Saudi Arabia	CO ₂ Stripping	Chiyoda, Japan
1989	1750	1	State Org. of Industrial Design and Construction Salhuddin, Baiji	Iraq	CO ₂ Stripping	M.W. Kellogg, UK
1985	1750	1	State Org. of Industrial Design and Construction Salhuddin, Baiji	Iraq	CO ₂ Stripping	M.W. Kellogg, UK
1985	1725	1	P.T. Pupuk Kalimantan Timur, Bontang	Indonesia	CO ₂ Stripping	Chiyoda, Japan
1984	1740	1	CNTIC, Urumqi, Xinjiang Province	P.R. China	CO ₂ Stripping	CNCCC, China
1984	1740	1	CNTIC, Yinchuan, Ningxia Autonomous Region	P.R. China	CO ₂ Stripping	CNCCC, China
1983	1000	1	Techmashimport, Kemerovo	Russia	CO ₂ Stripping	Chemoprojekt Czech Republic
1983	1000	1	Techmashimport, Gorlovka	Ukraine	CO ₂ Stripping	Chemoprojekt Czech Republic
1982	1725	1	P.T. Pupuk Kalimantan Timur, Bontang	Indonesia	CO ₂ Stripping	The MW Kellogg, USA
1982	1500	1	Asean Bintulu Fertilizer Sdn. Bhd., Bintulu	Malaysia	CO ₂ Stripping	Uhde, Germany
1982	90	1	Saudi Arabian Fertilizer Company (SAFCO), Damman	Saudi Arabia	CO ₂ Stripping	Chiyoda, Japan
1981	260	1	Petrochemical Industries Corp., Sale	Myanmar	CO ₂ Stripping	Coppée-Rust, Belgium
1981	1750	1	Sirte Oil Company (Napetco), Marsa el-Brega	Libya	CO ₂ Stripping	Uhde, Germany
1981	600	1	Petrochemical Industries Corp. Kyaw Zwa	Myanmar	CO ₂ Stripping	Uhde, Germany
1981	1100	1	Hemijska Industrija Pancevo, Pancevo	Serbia	CO ₂ Stripping	Chemoprojekt Czech Republic

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1981	1500	1	National Fertilizers Company of Nigeria (NAFCO), Okrika (Port Harcourt)	Nigeria	CO ₂ Stripping	The MW Kellogg, USA
1981	1000	1	Techmashimport, Odessa	Ukraine	CO ₂ Stripping	Chemoprojekt Czech Republic
1981	1000	1	Techmashimport, Odessa	Ukraine	CO ₂ Stripping	Chemoprojekt Czech Republic
1981	1000	1	Techmashimport, Grodno	Belarus	CO ₂ Stripping	Chemoprojekt Czech Republic
1980	907	1	Farmland Industries, Enid, OK	USA	CO ₂ Stripping	Foster Wheeler, USA
1980	1600	1	Al-Jubail Fertilizers, Al-Jubail	Saudi Arabia	CO ₂ Stripping	Pullman Kellogg, USA
1980	907	1	Sherritt Gordon Mines Ltd., Fort Saskatchewan, Alberta	Canada	CO ₂ Stripping	Foster Wheeler, USA
1980	1500	1	Ruwais Fertilizer Industries, Ruwais, Abu Dhabi	United Arab Emirates	CO ₂ Stripping	Chiyoda, Japan
1980	60	1	Sichuan Chemical Works, Chengdu, Sichuan Province	P.R. China	CO ₂ Stripping	Coppée-Rust, Belgium
1980	1000	1	Techmashimport, Fergana	Uzbekistan	CO ₂ Stripping	Chemoprojekt Czech Republic
1980	1000	1	Techmashimport, Severodonetsk	Ukraine	CO ₂ Stripping	Chemoprojekt Czech Republic
1979	900	1	CdF Chimie-APC, Toulouse	France	CO ₂ Stripping	Heurtey, France
1978	1500	1	Ina Petrokemija, Kutina	Croatia	CO ₂ Stripping	Kellogg Continental, The Netherlands
1978	1300	1	Romchim, Slobozia	Romania	CO ₂ Stripping	Coppée-Rust, Belgium
1978	1300	1	Romchim, Arad	Romania	CO ₂ Stripping	Coppée-Rust, Belgium

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1978	1740	1	CNTIC, Zhenhai, Zhejiang Province	P.R. China	CO ₂ Stripping	Kellogg Continental, The Netherlands/ CNCCC China
1977	1000	1	Techmashimport, Angarsk	Russia	CO ₂ Stripping	Chemoprojekt, Czech Republic
1977	1000	1	Techmashimport, Salavat	Russia	CO ₂ Stripping	Chemoprojekt, Czech Republic
1977	1000	1	Techmashimport, Nevinnomysk	Russia	CO ₂ Stripping	Chemoprojekt, Czech Republic
1977	580	1	Agrico Chemical Corporation, Tulsa, OK	USA	CO ₂ Stripping	Pullman Kellogg, USA
1976	1000	1	Techmashimport, Grodno	Belarus	CO ₂ Stripping	Chemoprojekt Czech Republic
1976	1000	1	Techmashimport, Dneprodzerzhinsk	Ukraine	CO ₂ Stripping	Chemoprojekt Czech Republic
1976	1000	1	Techmashimport, Cherkassy	Ukraine	CO ₂ Stripping	Chemoprojekt Czech Republic
1976	1600	1	Ashunganj Fertilizer and Chemical Company Ltd., Ashunganj	Bangladesh	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1976	1500	1	Petrobras, Araucaria	Brazil	CO ₂ Stripping	Uhde, Germany
1976	940	1	State Fertilizer Manufacturing Corporation, Sapugaskanda	Sri Lanka	CO ₂ Stripping	Kellogg Continental, The Netherlands
1976	1200	1	Polimex Cekop Police	Poland	CO ₂ Stripping	Heurtey, France
1976	1000	1	National Oil Corporation, Marsa El-Brega	Libya	CO ₂ Stripping	Foster Wheeler, Italy
1975	600	1	Taiwan Fertilizer Co., Miaoli	P.R. China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1975	1000	1	Guanomex, Salamanca	Mexico	CO ₂ Stripping	Foster Wheeler/Uhde, USA

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1975	1350	1	CF Industries Inc., Donaldsonville, Louisiana	USA	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1975	1000	1	NET, Arklow	Ireland	CO ₂ Stripping	Kellogg Continental, The Netherlands
1975	1725	2	Société El Nasr d'Engrais et d'Industrières, Talkha	Egypt	CO ₂ Stripping	Foster Wheeler, Italy
1975	1000	1	Qatar Fertiliser Company S.A.Q., Umm Said	Qatar	CO ₂ Stripping	Chiyoda, Japan
1975	1080	1	Columbia Nitrogen Corp., Augusta, GA	USA	CO ₂ Stripping	Braun, USA
1975	1300	1	Romchim, Bacau	Romania	CO ₂ Stripping	Coppée-Rust, Belgium
1975	1050	1	Unichem, Homs	Syria	CO ₂ Stripping	Heurtey, France
1974	1740	1	CNTIC, Jinling, Jiangsu Province	P.R. China	CO ₂ Stripping	Heurtey, France
1974	1740	1	CNTIC, Guangzhou, Guandong Province	P.R. China	CO ₂ Stripping	Heurtey, France
1974	1740	1	CNTIC, Anqing, Anhui Province	P.R. China	CO ₂ Stripping	Heurtey, France
1974	225	1	Nipak, Pryor, OK	USA	CO ₂ Stripping	Braun, USA
1974	1350	1	Cominco, Calgary, Alberta	Canada	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1974	750	1	African Explosives & Chemical Industries, Modderfontein	South Africa	CO ₂ Stripping	Kellogg Continental The Netherlands
1974	1080	1	Collier Carbon and Chemical Company, Kenai, AK	USA	CO ₂ Stripping	Braun, USA
1974	1500	1	Shahpur Chemicals, Bandar Shahpur (Razi)	Iran	CO ₂ Stripping	Kellogg Continental, The Netherlands

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1974	1500	1	Iran Fertilizer Company, Shiraz	Iran	CO ₂ Stripping	Heurtey, France
1974	330	1	Société Carbochimique, Tertre	Belgium	CO ₂ Stripping	Société Carbochimique, Belgium
1973	1200	2	Korean Equipment Import Corporation, Sulbi	P.R. of Korea	CO ₂ Stripping	Uhde, Germany
1973	1620	1	CNTIC, Luzhou, Sichuan Province	P.R. China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1973	1620	1	CNTIC, Panjin, Liaoning Province	P.R. China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1973	1620	1	CNTIC, Daqing, Heilongjiang Province	P.R. China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1973	300	1	Amoniaco Espanol, S.A., Malaga	Spain	CO ₂ Stripping	McKee-CTIP, Spain
1973	600	1	Mitsubishi Gas Chemical Company Inc., Matsuyama	Japan	CO ₂ Stripping	Chiyoda, Japan
1973	907	1	Agrico Chemical Company, Blytheville, AR	USA	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1973	580	1	Agrico Chemical Company, Verdigris River, OK	USA	CO ₂ Stripping	Kellogg Continental The Netherlands
1973	1550	1	Istanbul Gubre Sanayii A.S. (IGSAS), Izmit, Kocaeli	Turkey	CO ₂ Stripping	Uhde, Germany
1973	1620	1	CNTIC, Canzhou, Hebei Province	P.R. China	CO ₂ Stripping	Kellogg Continental The Netherlands
1973	1620	1	CNTIC, Shuifu, Yunnan Province	P.R. China	CO ₂ Stripping	Kellogg Continental The Netherlands
1973	1620	1	CNTIC, Chishui, Guizhou Province	P.R. China	CO ₂ Stripping	Kellogg Continental The Netherlands
1973	1620	1	CNTIC, Zhijiang, Hebei Province	P.R. China	CO ₂ Stripping	Kellogg Continental The Netherlands

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1973	1620	1	CNTIC, Yueyang, Hunan Province	P.R. China	CO ₂ Stripping	Kellogg Continental The Netherlands
1973	1700	1	Pertamina, Santan, Kalimantan	Indonesia	Conventional Urea Process	Coppée-Rust, Belgium
1973	1350	1	Canadian Fertilizers Limited, Medicine Hat, Alberta	Canada	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1972	90	1	Melamina Ultra S.A., Camaçari	Brazil	Conventional Urea Process	Foster Wheeler, UK
1972	280	1	Refineria de Pétroleos de Escombreras, Cartagena	Spain	CO ₂ Stripping	Tecnicas Reunidas, Spain
1972	1030	1	Mangalore Chemicals & Fertilizers Ltd., Mangalore	India	CO ₂ Stripping	Humphreys & Glasgow, UK
1972	907	1	CF Industries Inc., Donaldsonville, Louisiana	USA	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1971	1200	1	Indian Farmers Fertilizers Co. Ltd, (IFFCO) Kalol, Gujarat	India	CO ₂ Stripping	Humphreys & Glasgow, UK
1970	700	1	Chungju Fertilizer Corp., Chungju	Republic of Korea	CO ₂ Stripping	Continental Engineering, The Netherlands
1970	600	1	Chemokomplex, Petfürdo	Hungary	CO ₂ Stripping	Evence Coppée-Rust, Belgium
1970	1050	1	VEB Düngemittelkombinat, Piesteritz	Germany	CO ₂ Stripping	Chemoprojekt, Czech Republic
1970	2100	2	VEB Düngemittelkombinat, Piesteritz	Germany	CO ₂ Stripping	Chemoprojekt, Czech Republic
1970	900	2	Industrial Import, Tirgu Mures	Romania	CO ₂ Stripping	Evence Coppée-Rust, Belgium
1969	600	1	Chemopetrol, Most	Czech Republic	CO ₂ Stripping	Continental Engineering, The Netherlands
1969	600	1	Duslo a.s., Sala	Slovakia	CO ₂ Stripping	Uhde, Germany

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1969	900	2	Masinimport, Slobozia	Romania	CO ₂ Stripping	Evence Coppée-Rust, Belgium
1969	900	2	Masinimport, Slobozia	Romania	Conventional Urea Process	Evence Coppée-Rust, Belgium
1968	1085	2	Triad Corporation, Donaldsonville, LA	USA	CO ₂ Stripping	Uhde, USA
1968	1000	1	DSM, Geleen	Netherlands	CO ₂ Stripping	DSM, The Netherlands
1968	100	1	Chemicals & Phosphates Ltd, Haifa	Israel	CO ₂ Stripping	Chemicals & Phosphates, Israel
1968	86	1	Premier Petrochemical Company, Pasadena, CA	USA	CO ₂ Stripping	McKee, USA
1968	1400	1	Kashima Ammonia Company, Tokyo	Japan	CO ₂ Stripping	Chiyoda, Japan
1968	1400	2	The Kuwait Chemical Fertilizer Corp., Shuaiba	Kuwait	CO ₂ Stripping	Chiyoda, Japan
1968	800	1	Mitsubishi Chemical Ind. Ltd, Kurosaki	Japan	CO ₂ Stripping	Chiyoda, Japan
1967	120	1	Société des Usines Chimique Ugine Kuhlmann, Paimboeuf	France	CO ₂ Stripping	Continental Engineering The Netherlands
1967	550	1	Cuba Industrial, Cienfuegos	Cuba	Conventional Urea Process	Simon Carves, UK
1967	125	1	Honam Fertilizer Co., Naju	Republic of Korea	Conventional Urea Process	Uhde, Germany
1967	800	1	Société Normande de l'Azote, Le Havre	France	CO ₂ Stripping	Heurtey, France
1967	207	1	Industrial Development Corporation Government of the Union of Burma, Chauk	Myanmar	CO ₂ Stripping	Uhde, Germany
1966	500	1	Sincat (subsidiary of Società Edison), Priolo, Sicily	Italy	Conventional Urea Process	Foster Wheeler, Italy

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1966	350	1	Azolacq, Rouen	France	CO ₂ Stripping	Heurtey, France
1966	900	2	Masinimport, Turnu Magurele	Romania	Conventional Urea Process	Evence Coppée-Rust, Belgium
1966	900	2	Masinimport, Craiova	Romania	Conventional Urea Process	Evence Coppée-Rust, Belgium
1966	500	2	Union Rheinische Braunkohlen Kraftstoff, Wesseling	Germany	CO ₂ Stripping	Uhde, Germany
1966	700	1	Delhi Cloth Mills - Shriram Fertilisers & Chemicals, Kota	India	Conventional Urea Process	Chiyoda, Japan
1966	300	1	Kemira Oy, Oulu	Finland	CO ₂ Stripping	Uhde, Germany
1965	135	1	Collier Carbon & Chemical Corporation, Los Angeles, CA	USA	Conventional Urea Process	Braun, USA
1965	135	1	Mobil Chemical Company, Beaumont, TX	USA	Conventional Urea Process	Braun, USA
1965	400	1	Mekog, Pernis	Netherlands	Conventional Urea Process	Continental Engineering, The Netherlands
1965	150 ¹	1	ANIC, Gela, Sicily	Italy	Conventional Urea Process	ANIC Italy
1965	170 ¹	1	Sherrit Gordon Mines, Fort Saskatchewan, Alberta	Canada	Conventional Urea Process	Sherrit Gordon Mines, Canada
1965	300	1	Tvornica Ducicnih Gnojiva, Kutina	Croatia	Conventional Urea Process	Foster Wheeler, France
1965	250	1	Korean Industrial Equipment Import Corporation, Hung Nam	P.R. of Korea	Conventional Urea Process	Continental Engineering, The Netherlands
1965	317	1	Terra Chemicals International, Sioux City, IA	USA	Conventional Urea Process	Braun, USA
1965	220	1	DSM, Geleen	Netherlands	CO ₂ Stripping	DSM, The Netherlands

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1965	520	1	African Explosives & Chemical Industries, Umbogintwini	South Africa	Conventional Urea Process	Continental Engineering, The Netherlands
1965	333	1	Salzgitter Chemie, Salzgitter	Germany	CO2 Stripping	Uhde, Germany
1965	540	1	Saarbergwerke, Besch-Perl/Mosel	Germany	Conventional Urea Process	Continental Engineering, The Netherlands
1965	300	1	Société Carbochimique, Tertre	Belgium	CO2 Stripping	Société Carbochimique, Belgium
1964	250	1	Korean Industrial Equipment Import Corporation, Hung Nam	P.R. of Korea	Conventional Urea Process	Continental Engineering, The Netherlands
1964	77	1	Columbia Nitrogen Corp., Augusta, GA	USA	Conventional Urea Process	McKee, USA
1964	1800	6	Technoimport, Vratza	Bulgaria	Conventional Urea Process	Evence Coppée-Rust, Belgium
1964	600	2	Masinimport, Turnu Magurele	Romania	Conventional Urea Process	Uhde, Germany
1964	550	1	The Kuwait Chemical Fertilizer Corporation, Shuaiba	Kuwait	Conventional Urea Process	Foster Wheeler, UK
1964	410	1	Olin Mathieson Chem. Corp., Lake Charles, LA	USA	Conventional Urea Process	McKee, USA
1964	300	1	Chemokomplex, Petfürdo	Hungary	Conventional Urea Process	Evence Coppée-Rust, Belgium
1963	300	1	Chemokomplex, Barcika	Hungary	Conventional Urea Process	Evence Coppée-Rust, Belgium
1963	300	1	Masinimport, Craiova	Romania	Conventional Urea Process	Uhde, Germany
1963	85	1	Chemical Fertilizer Co., Bangkok	Thailand	Conventional Urea Process	Uhde, Germany
1963	226	1	Nipak, Pryor, OK	USA	Conventional Urea Process	Braun, USA

1. LAUNCH™ – GRASS ROOT UREA MELT PLANTS

Year of order	Tot. cap. mt/d	Unit	Clients	Country	Design	Contractor
1963	210	1	Esso Standard Chem.& Fert. Corp., Bataan	Philippines	Conventional Urea Process	Braun, USA
1963	500	2	CNTIC, Luzhou, Sichuan Province	P.R. China	Conventional Urea Process	Continental Engineering, The Netherlands
1962	500	2	Lischemkombinat, Severodonetsk	Ukraine	Conventional Urea Process	Continental Engineering, The Netherlands
1962	100	1	ICI ANZ, Sydney	Australia	Conventional Urea Process	Humphreys & Glasgow, UK
1962	116 ¹	1	Union Rheinische Braunkohlen Kraftstoff, Wesseling	Germany	Conventional Urea Process	URBK, Germany
1962	72 ¹	1	Federation Chemicals, Trinidad	Trinidad	Conventional Urea Process	Federation Chemicals, Trinidad
1961	125	1	Ammoniaque Synthétique & Dérivés, Willebroek	Belgium	Conventional Urea Process	ASED, Belgium
1961	100	1	Sherritt Gordon Mines, Fort Saskatchewan, Alberta	Canada	Conventional Urea Process	Braun, USA
1961	75	1	Etablissements Kuhlmann, Paimboeuf	France	Conventional Urea Process	Continental Engineering, The Netherlands
1960	500	2	Elektro-Chemkombinat Chirchik, Tashkent	Uzbekistan	Conventional Urea Process	Continental Engineering, The Netherlands
1960	500	2	Chekino-Chemkombinat, Tula	Russia	Conventional Urea Process	Continental Engineering, The Netherlands
1960	500	2	Elektro-Chemkombinat, Salavat	Russia	Conventional Urea Process	Continental Engineering, The Netherlands
1960	300	2	ANIC, Gela Sicily	Italy	Conventional Urea Process	Snamprogetti, Italy
1960	200	1	Solar Nitrogen, Joplin, MO	USA	Conventional Urea Process	McKee, USA
1959	70	1	DSM, Geleen	Netherlands	Conventional Urea Process	DSM, The Netherlands

1. LAUNCH™ – GRASS ROOT UREA MELT PLANTS

Year of order	Tot. cap. mt/d	Unit	Clients	Country	Design	Contractor
1959	100 ¹	1	Société Carbochimique, Tertre	Belgium	Conventional Urea Process	Société Carbochimique, Belgium
1959	210	1	Refineria de Petróleos de Escombreras, Cartagena	Spain	Conventional Urea Process	Braun, USA
1958	130	2	DSM, Geleen	Netherlands	Conventional Urea Process	DSM, The Netherlands
1958	63	1	Federation Chemicals, Trinidad	Trinidad	Conventional Urea Process	Braun, USA
1958	70 ¹	1	Société Carbochimique, Tertre	Belgium	Conventional Urea Process	Werkspoor, The Netherlands
1958	75	1	Union Rheinische Braunkohlen Kraftstoff, Wesseling	Germany	Conventional Urea Process	URBK, Germany
1958	150	2	ANIC, Milan	Italy	Conventional Urea Process	Snamprogetti, Italy
1957	300	3	African Explosives & Chemical Industries, Modderfontein	South Africa	Conventional Urea Process	Werkspoor, The Netherlands
1957	70	1	Société Carbochimique, Tertre	Belgium	Conventional Urea Process	Werkspoor, The Netherlands
1954	150	2	DSM, Geleen	Netherlands	Conventional Urea Process	DSM, The Netherlands

2. LAUNCH™ – GRASS ROOT UREA GRANULATION PLANTS

Year of order	Tot. cap. mt/d	Unit	Clients	Country	Contractor
2015	3500	1	Eurochem, Nevinnomysskiy Azot, Nevinnomysk (Early work)	Russia	
2014	1500	1	Phosagro Cherepovets Azot JSC, Cherepovets	Russia	Chemoprojekt
2014	1000	1	Dakota Gasification Company, Beulah, North Dakota	USA	IHI
2013	2000	1	The State Oil Company of Azerbaijan Republic (SOCAR), Sumgayit	Azerbaijan	Samsung Engineering
2013	1425	1	Azomures S.A., Targu Mures	Romania	Chemoprojekt
2013	2676	1	Koch Nitrogen, Enid, Oklahoma	USA	KBR
2012	1760	1	Bangladesh Government, BCIC, Fenchuganj, Sylhet	Bangladesh	China Chengda Engineering, China
2011	3250	1	Pardis Petrochemical Company	Iran	Iranian
2011	1575	1	Egyptian Chemical & Fertilizer Industries – KIMA, Aswan	Egypt	Tecnimont
2010	2700	1	Tierra del Fuego Energia Y Quimica S.A., Rio Grande	Argentina	China Chengda Engineering Co., China
2008	2200	1	Petroquímica de Venezuela (“Pequiven), Puerto Nutrias	Venezuela	-
2008	4400	2	Petroquímica de Venezuela (“Pequiven), Jose	Venezuela	-
2008	3600	1	Golestan	Iran	Iranian
2008	3600	1	Zanjan	Iran	Iranian
2008	3600	1	Lordegan	Iran	Iranian

2. LAUNCH™ – GRASS ROOT UREA GRANULATION PLANTS

Year of order	Tot. cap. mt/d	Unit	Clients	Country	Contractor
2008	1400	1	PJSC Novomoskovsk Joint Stock Company AZOT, Tula Region	Russia	Chemoprojekt
2007	4000	2	Egyptian Agrium Nitrogen Products Company S.A.E. (EANPC), Damietta	Egypt	Uhde GmbH, Germany
2007	2000	1	PJSC Novomoskovsk Joint Stock Company AZOT, Tula Region	Russia	Chemoprojekt
2006	1200	1	Grodno Azot, Grodno	Belarus	Chemoprojekt, Czech Republic
2004	2000	1	Egypt Helwan Fertilizers	Egypt	Uhde, Germany
2003	2000	1	Egyptian Fertilizer Company (EFC), Ain Sukhna	Egypt	Uhde, Germany
2003	2000	1	Alexandria Fertilizer Company (AlexFert), Abu Qir	Egypt	Uhde, Germany
2003	1250	2 ¹	Agrium, Fort Saskatchewan Nitrogen Operations	Canada	Agrium
1996	280	1	Grodno Azot, Grodno	Belarus	Grodno

3. LAUNCH™ – GRASS ROOT UREA AMMONIUM NITRATE (UAN) PLANTS

Year of order	Tot. cap. mt/d	Unit	Clients	Country	Contractor
1996	1500	1	OCI Nitrogen, Geleen	The Netherlands	Uhde
1995	1550	1	Terra Nitrogen, Port Neal	USA	MW Kellogg
1991	1700	1	CF Industries, Donaldsonville, Louisiana	USA	MW Kellogg, USA
1977	1700	1	Agrico Chemical Corporation, Tulsa, Oklahoma	USA	Pullman Kellogg, USA
1973	1700	1	Agrico Chemical Corporation, Verdigris River, Oklahoma	USA	Kellogg Continental, The Netherlands

4. EVOLVE™ - UREA PLANT REVAMPS AND IMPROVEMENTS

Year of order	Cap. increase mt/d	Client	Country	Details
2015	770	Uralchem OJSC – Mineral Fertilizers OJSC (PMF), Perm	Russia	Revamp
2013	525	Azomures S.A., Targu Mures	Romania	Debottlenecking
2013	450	State Company for Fertilizers North Area (NFC), Baiji	Iraq	Debottlenecking
2012	-	CF Industry, Terra Verdigris	USA	Debottlenecking Neutralizer UAN
2012	300	Duslo a.s., Sala	Slovakia	Debottlenecking
2011	75	Karnaphuli Fertilizer Co. Ltd, Chittagong (KAFCO)	Bangladesh	Debottlenecking
2011	168	OCI Nitrogen, Geleen	The Netherlands	Debottlenecking melt plant and UAN
2011	1200	Canadian Fertilizers Limited, Medicine Hat, Alberta	Canada	Debottlenecking
2010	-	Ultrafertil, Auracaria	Brazil	Debottlenecking DEF unit
2009	-	Petrokemija, Kutina	Croatia	Emission improvement & Waste water treatment
2009	650	Egyptian Fertilizer Company (EFC), Ain Sukhna	Egypt	Debottlenecking
2008	750	Abu Qir, Alexandria	Egypt	Debottlenecking
2007	600	Yara Belle Plaine (Saskferco), Belle Plaine	Canada	Debottlenecking
2007	350	Pak-American Fertilizers Ltd (PAFL)	Pakistan	Debottlenecking
2006	200	P.O. Azot, Grodno	Belarus	Debottlenecking, Granulation

4. EVOLVE™ - UREA PLANT REVAMPS AND IMPROVEMENTS

Year of order	Cap. increase mt/d	Client	Country	Details
2006	-	Canadian Fertilizers Limited, Medicine Hat, Alberta	Canada	Reactor trays (Siphon Jet Pumps)
2006	-	Ultrafertil, Auracaria	Brazil	Pool condenser
2005	1520	Inner Mongolia Erdos Unichem International Co., Ltd	P.R. China	Debottlenecking and Safurex
2005	-	Petrochemical Industries Kuwait Co, Shuaiba	Kuwait	Revamp (zero emission)
2005	-	Qatar Fertilizer Company, Umm Said	Qatar	Pool condenser & emission improvements
2005	-	Minudobrenya, Perm	Russia	Reactor trays (Siphon Jet Pumps)
2004	-	Karnaphuli Fertilizer Co. Ltd., Chittagong	Bangladesh	Reactor trays (Siphon Jet Pumps)
2004	-	PCS, Augusta	USA	Revamp
2004	450	Asean Bintulu Fertilizer, Bintulu	Malaysia	Debottlenecking
2004	580	Ningxia GeoMaxima Holdings Fengyou Chemical Industrial Co.Ltd.	P.R. China	Debottlenecking
2004	870	China Petroleum Material & Equipment Corporation, PetroChina Urumqi Petrochemical Company	P.R. China	Debottlenecking
2004	-	Mangalore Chemicals & Fertilizers Ltd, Bangalore	India	Revamp
2004	-	Interagro Sofert, Bacau	Rumania	Revamp
2003	680	China Petroleum Material & Equipment Corporation, PetroChina Daqing Petrochemical Company	P.R. China	Debottlenecking
2003	870	China Petroleum Material & Equipment Corporation, PetroChina Ningxia Petrochemical Company	P.R. China	Debottlenecking

4. EVOLVE™ - UREA PLANT REVAMPS AND IMPROVEMENTS

Year of order	Cap. increase mt/d	Client	Country	Details
2003	350	Confidential client		Debottlenecking
2003	-	Fauji Fertilizer Bin Qasim Ltd, Bin Qasim	Pakistan	Reactor trays (Siphon Jet Pumps)
2003	300	Shiraz Petrochemical Company, Shiraz	Iran	Debottlenecking
2003	-	SKW Piesteritz, Wittenberg	Germany	Reactor trays (Siphon Jet Pumps)
2002	1000	Qatar Fertilizer Company, Umm Said	Qatar	Debottlenecking
2002	300	Razi Petrochemical Company	Iran	Debottlenecking
2002	-	SKW Piesteritz, Wittenberg	Germany	Reactor trays (Siphon Jet Pumps)
2001	-	SKW Piesteritz, Wittenberg	Germany	Reactor trays
2001	-	Duslo, Sala	Slovakia	Reactor trays
2001	350	Saudi Arabian Fertilizer Company (SAFCO), Al-Jubail	Saudi Arabia	Debottlenecking
2001	446	Asean Bintulu Fertilizer, Bintulu	Malaysia	Debottlenecking crystallization to evaporation
2001	635	PCS Geismar	USA	Pool reactor revamp Debottlenecking
2000	-	Ruwais Fertilizer Industries (FERTIL), Abu Dhabi	United Arab Emirates	Revamp
2000	680	Yunnan Yuntianhua Co. Ltd, Shuifu, Yunnan	P.R. China	Debottlenecking
2000	-	Shiraz Petrochemical Co. (SPC), Shiraz	Iran	Revamp

4. EVOLVE™ - UREA PLANT REVAMPS AND IMPROVEMENTS

Year of order	Cap. increase mt/d	Client	Country	Details
2000	-	Petrochemical Industries Kuwait Co, Shuaiba	Kuwait	Revamp
2000	-	Myanmar Petrochemical Enterprise (MPE), Kyawzwa	Myanmar	Revamp
1999	260	Mangalore Chemicals & Fertilizers Ltd, Bangalore	India	Debottlenecking
1999	300	Grande Paroisse, Toulouse	France	Debottlenecking
1998	-	Al-Jubail Fertilizer Company, Al-Jubail	Saudi Arabia	Revamp
1998	-	SKW Piesteritz, Wittenberg	Germany	Revamp
1998	-	Chemical Works 'Police', Police	Poland	Revamp
1998	685	Petrochemical Industries Kuwait Co, Shuaiba	Kuwait	Debottlenecking
1998	-	Incitec Limited, Morningside, Queensland	Australia	Revamp
1998	-	American Melamine Ind., Fortier	USA	Debottlenecking
1997	-	Petrochemical Industries Kuwait Co., Shuaiba	Kuwait	Waste water treatment
1997	-	Amonil, Slobozia	Rumania	Advanced Process Control
1997	-	Triad Chemicals, Donaldsonville	USA	Reactor trays
1997	-	Farmland Industries Inc., Enid, Oklahoma	USA	Revamp waste water treatment
1997	-	Terra Nitrogen, Blytheville, Arkansas	USA	Debottlenecking

4. EVOLVE™ - UREA PLANT REVAMPS AND IMPROVEMENTS

Year of order	Cap. increase mt/d	Client	Country	Details
1997	-	American Melamine Ind.,	USA	Reactor trays
1997	-	FortierNitrogéművek, Petfürdo	Hungary	Reactor trays/ waste water treatment
1997	-	DCM Shriram, Kota	India	Waste water treatment
1997	-	Ruwais Fertilizer Industries (FERTIL), Ruwais	United Arab Emirates	Reactor trays
1996	800	Saskferco Product Inc., Belle Plaine, Saskatchewan	Canada	Debottlenecking
1996	200	Kynoch Fertilizer Limited, Modderfontein	South Africa	Debottlenecking
1996	-	Farmland Industries, Enid, Oklahoma	USA	Reactor trays
1996	-	Irish Fertilizers Industries, Cobh	Ireland	Reactor trays Advanced Process Control
1996	-	Sofert, Bacau	Romania	Advanced Process Control
1996	-	Istanbul Gubre Sanayii A.S. (IGSAS), Korfez, Kocaeli	Turkey	Reactor trays
1996	-	Petrochemical Industries Kuwait Co., Shuaiba	Kuwait	Reactor trays
1996	-	Chemopetrol, Litvinov	Czech Republic	Reactor trays
1996	-	Asean Bintulu Fertilizer, Bintulu	Malaysia	Reactor trays
1995	-	Qatar Fertilizer Company, Umm Said	Qatar	Reactor trays
1995	-	Qatar Fertilizer Company, Umm Said	Qatar	Waste water treatment

4. EVOLVE™ - UREA PLANT REVAMPS AND IMPROVEMENTS

Year of order	Cap. increase mt/d	Client	Country	Details
1995	-	Unocal, Kenai Alaska	USA	Reactor trays
1995	-	Terra Nitrogen, Blytheville, Arkansas	USA	Reactor trays
1995	-	Terra Nitrogen, Verdigris, Oklahoma	USA	Reactor trays
1995	450	IFFCO, Kalol	India	Debottlenecking
1995	475	Ultrafertil, Auracaria	Brazil	Debottlenecking
1994	-	CF Industries, Donaldsonville, Louisiana	USA	Reactor trays
1994	400	Pupuk Kalimantan Timur, Bontang	Indonesia	Revamp
1994	-	Canadian Fertilizers Limited, Medicine Hat, Alberta	Canada	Waste water treatment
1993	214	P.O. Azot, Grodno	Belarus	Debottlenecking
1992	-	Togliatti Azot, Togliatti	Russia	Waste water treatment
1992	-	Borden Chemicals, Geismar, LA	USA	Revamp
1991	-	Taiwan Fertilizer Corp. Ltd., Hiaoli	P.R. China	Waste water treatment
1991	-	Irish Fertilizer Industries Ltd., Cobh	Ireland	Revamp
1989	304	Asean Bintulu Fertilizer Snd. Bhd., Bintulu	Malaysia	Debottlenecking
1989	-	Qatar Fertiliser Company S.A.Q. Umm Said	Qatar	Revamp of finishing section

4. EVOLVE™ - UREA PLANT REVAMPS AND IMPROVEMENTS

Year of order	Cap. increase mt/d	Client	Country	Details
1986	26	Chemicals & Phosphates Ltd., Haifa	Israel	Debottlenecking
1985	-	Sinopec, Daqing, Heilongjiang Province	P.R. China	Waste water treatment
1985	770	Unocal Chemicals Division, Kenai, Alaska	USA	Debottlenecking
1984	-	Makina Import, Fier	Albania	Retrofit
1984	-	Pequiven, El Tablazo	Venezuela	Retrofit
1983	250	African Explosives and Chemical Industries, Modderfontein	South Africa	Debottlenecking
1981	500	Cominco, Calgary, Alberta	Canada	Debottlenecking
1981	300	Chemokomplex, Petfürdo	Hungary	Debottlenecking
1975	515	Petrochemical Industries Co., Shuaiba	Kuwait	Debottlenecking
1973	215	Collier Carbon & Chemical Corporation, Los Angeles, CA	USA	Debottlenecking
1972	300	Delhi Cloth Mills - Shriram Fertilizer, Kota	India	Debottlenecking
1965	70	Federation Chemicals, Trinidad	Trinidad	Debottlenecking



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