

September 2008

Stamicarbon BV

Office Address : Mercator 2, 6135 KW Sittard
Mail Address : P.O. Box 53,
6160 AB GELEEN
The Netherlands
Telephone : (31) 46 4237000
Telefax : (31) 46 4237001
Website : www.stamicarbon.com
E-mail : info.stamicarbon@dsm.com

Reference list

Table of contents

Licensed processes and related services

Page

1.	Urea	1
2.	Urea Granulation	8
3.	Urea Debottlenecking and improvements	9
4.	Urea new equipment inspections (HP vessels)	12
5.	Urea new SAFUREX [®] equipment delivery	16
6.	Urea Plant Inspections (HP vessels)	19
7.	Urea Services	21
8.	Polyethylene (high, medium, linear low density) ²⁾	25
9.	Melamine	25
10.	Caprolactam	26
11.	Cyclohexanone oxime	27
12.	Phenol	27
13.	Thermoplastic rubber (olefinic)	27
14.	EPDM rubber	28
15.	Miscellaneous Services	29

1. Urea

date of order	cap. mt/d	units	clients	country	contractor
2008	2840	1	Hulunbeier New Gold Chemical Co. Ltd, Inner Mongolia	China	Wuhuan Engineering Corp., China (by Client)
2008	3500	1	Yara, Sluiskil	The Netherlands	Uhde GmbH, Germany
2008	1500	1	Cherepovetsky Azot JSC, Cherepovets	Russia	Chemoprojekt A.S.
2008	3250	1	NPC - Lordegan	Iran	Iranian (by NPC)
2008	3250	1	NPC - Golestan	Iran	Iranian (by NPC)
2008	3250	1	NPC - Zanjan	Iran	Iranian (by NPC)
2007	3450	1	Sorfert, Arzew	Algeria	Uhde GmbH, Germany
2007	2000	2	Egyptian Agrium Nitrogen Products Company S.A.E. (EANPC), Damietta	Egypt	Uhde GmbH, Germany
2007	2700	1	Jianfeng Chemicals, Fuling, Chongqing	China	Chengda Engineering Corporation of China
2006	1500	1	Fatima, Sadiqabad	Pakistan	Kawasaki Plant Systems Ltd, Japan
2006	1925	1	Misr Oil Processing Company (MOPCO), Suez	Egypt	Uhde GmbH, Germany
2004	1925/2000	1	Egypt Helwan Fertilizers, Helwan	Egypt	Uhde GmbH, Germany
2004	3250	1	PIDMCO 2, Bandar Assaluyeh	Iran	Chiyoda, Japan
2003	1925/2000	1	Egyptian Fertilizer Company (EFC), Ain Sukhna	Egypt	Uhde GmbH, Germany
2003	1925/2000	1	Alexandria Fertilizer Company (AlexFert), Abu Qir	Egypt	Uhde GmbH, Germany
2003	3250/3600	1	Saudi Arabian Fertilizer Company (SAFCO), Al Jubail	Saudi Arabia	Uhde GmbH, Germany
2002	1050	1	Turkmenistan Fertilizers & Chemicals, Tedjen	Turkmenistan	Krupp Uhde, Germany
2002	2000	1	Kermanshah Petrochemical Company, Kermanshah	Iran	MW Kellogg Ltd, UK
2001	2700	1	CNCCC, CNOOC, Zhonghai Petrochemical, Dongfang, Hainan Province	China	Kellogg Brown & Root, USA
2001	3250	1	PIDMCO, Bandar Assaluyeh	Iran	Chiyoda, Japan
2001	3200/3500	1	Qatar Fertiliser Company (QAFCO), Umm Said	Qatar	Krupp Uhde, Germany
1998	1750	1	Egyptian Fertilizer Corporation (EFC), Ain Sukhna	Egypt	Krupp Uhde, Germany
1997	1800	1	Saudi Arabian Fertilizer Company (SAFCO), Al-Jubail	Saudi Arabia	Tecnimont, Italy
1997	1200	1	SPIC Fertilizers & Chemicals Company Ltd., Dubai	United Arab Emirates	M.W. Kellogg Ltd., UK

date of order	cap. mt/d	units	clients	country	contractor
1997	1050	1	CNCCC, Zepu Petroleum Chemical Plant, Xinjiang Petroleum Administration Bureau, Zepu, Xinjiang Province	China	Krebs, France
1996	1150	1	DSM, Geleen	The Netherlands	Uhde, Germany
1996	1750	1	Abu Qir, Alexandria	Egypt	Uhde, Germany
1996	1725	1	P.T. Pupuk Kalimantan, Bontang	Indonesia	Chiyoda, Japan/ Rekayasa, Indonesia
1995	1670	1	Fauji Fertilizer Company Ltd, Port Qasim	Pakistan	Chemoprojekt, Czech Republic
1995	870	1	Heilongjiang Chemical Industry Corp., Qiqihar	China	China Wuhuan Chemical Engineering Corp., China
1995	2000	1	CF Industries, Donaldsonville, LA	USA	Uhde, Germany
1994	1740	1	Sinopec Urumqi, Xinjiang Province	China	Lanzhou Design Institute, China
1994	2000	1	Qatar Fertiliser Company S.A.Q., Umm Said	Qatar	Uhde, Germany
1991	810	1	CF Industries, Donaldsonville, LA	USA	The MW Kellogg Corp., USA
1991	1500	1	Khorasan Petrochemical Company (KPC) Bojnurd	Iran	M.W. Kellogg Ltd., UK
1990	2000	1	Saskferco Products Inc., Belle Plaine Saskatchewan	Canada	Uhde, Germany
1990	1725	1	Karnaphuli Fertilizer Co. Ltd, Chittagong	Bangladesh	Chiyoda, Japan
1990	1800	1	Saudi Arabian Fertilizer Company (SAFCO), Al-Jubail	Saudi Arabia	Chiyoda, Japan
1989	1750	1	State Org. of Industrial Design and Construction Salhuddin, Baiji	Iraq	M.W. Kellogg Ltd., UK
1985	1750	1	State Org. of Industrial Design and Construction Salhuddin, Baiji	Iraq	M.W. Kellogg Ltd., UK
1985	1725	1	P.T. Pupuk Kalimantan Timur, Bontang	Indonesia	Chiyoda, Japan
1984	1740	1	CNTIC, Urumqi, Xinjiang Province	China	CNCCC, China
1984	1740	1	CNTIC, Yinchuan, Ningxia Hui Autonomous Region	China	CNCCC, China
1983	1000	1	Techmashimport, Kemerovo	Russia	Chemoprojekt Czech Republic
1983	1000	1	Techmashimport, Gorovka	Ukraine	Chemoprojekt Czech Republic
1982	1725	1	P.T. Pupuk Kalimantan Timur, Bontang	Indonesia	The MW Kellogg Corp., USA
1982	1500	1	Asean Bintulu Fertilizer Sdn. Bhd., Bintulu	Malaysia	Uhde, Germany
1982	90	1	Saudi Arabian Fertilizer Company (SAFCO), Damman	Saudi Arabia	Chiyoda, Japan

date of order	cap. mt/d	units	clients	country	contractor
1981	260	1	Petrochemical Industries Corp., Sale	Myanmar	Coppée-Rust, Belgium
1981	1750	1	Sirte Oil Company (Napetco, NPC), Marsa el-Brega	Libya	Uhde, Germany
1981	600	1	Petrochemical Industries Corp. Kyaw Zwa	Myanmar	Uhde, Germany
1981	1100	1	Hemijska Industrija Pancevo, Pancevo	Yugoslavia	Chemoprojekt Czech Republic
1981	1500	1	National Fertilizers Company of Nigeria (NAFCO), Okrika (Port Harcourt)	Nigeria	The MW Kellogg Corp., USA
1981	1000	1	Techmashimport, Odessa	Ukraine	Chemoprojekt Czech Republic
1981	1000	1	Techmashimport, Odessa	Ukraine	Chemoprojekt Czech Republic
1981	1000	1	Techmashimport, Grodno	Belarus	Chemoprojekt Czech Republic
1980	907	1	Farmland Industries, Enid, OK	USA	Foster Wheeler, USA
1980	1600	1	Al-Jubail Fertilizers, Al-Jubail	Saudi Arabia	Pullman Kellogg, USA
1980	907	1	Sherritt Gordon Mines Ltd., Fort Saskatchewan, Alberta	Canada	Foster Wheeler, USA
1980	1500	1	Ruwais Fertilizer Industries, Ruwais, Abu Dhabi	United Arab Emirates	Chiyoda, Japan
1980	60	1	Sichuan Chemical Works, Chengdu, Sichuan Province	China	Coppée-Rust, Belgium
1980	1000	1	Techmashimport, Fergana	Uzbekistan	Chemoprojekt Czech Republic
1980	1000	1	Techmashimport, Severodonetsk	Ukraine	Chemoprojekt Czech Republic
1979	900	1	CdF Chimie-APC, Toulouse	France	Heurtey, France
1978	1500	1	Ina Petrokemija, Kutina	Croatia	Kellogg Continental, The Netherlands
1978	1300	1	Romchim, Slobozia	Romania	Coppée-Rust, Belgium
1978	1300	1	Romchim, Arad	Romania	Coppée-Rust, Belgium
1978	1740	1	CNTIC, Zhenhai, Zhejiang Province	China	Kellogg Continental, The Netherlands/CNCCC China
1977	1000	1	Techmashimport, Angarsk	Russia	Chemoprojekt Czech Republic
1977	1000	1	Techmashimport, Salavat	Russia	Chemoprojekt Czech Republic
1977	1000	1	Techmashimport, Nevinnomysk	Russia	Chemoprojekt Czech Republic
1977	580	1	Agrico Chemical Corporation, Tulsa, OK	USA	Pullman Kellogg, USA
1976	1000	1	Techmashimport, Grodno	Belarus	Chemoprojekt Czech Republic
1976	1000	1	Techmashimport, Dneprochershinsk	Ukraine	Chemoprojekt Czech Republic
1976	1000	1	Techmashimport, Cherkassy	Ukraine	Chemoprojekt Czech Republic

date of order	cap. mt/d	units	clients	country	contractor
1976	1600	1	Ashunganj Fertilizer and Chemical Company Ltd., Ashunganj	Bangladesh	Foster Wheeler/Uhde, USA
1976	1500	1	Petrobras, Araucaria	Brazil	Uhde, Germany
1976	940	1	State Fertilizer Manufacturing Corporation, Sapugaskanda	Sri Lanka	Kellogg Continental, The Netherlands
1976	1200	1	Polimex Cekop Police	Poland	Heurtey, France
1976	1000	1	National Oil Corporation, Marsa El-Brega	Libya	Foster Wheeler, Italy
1975	600	1	Taiwan Fertilizer Co., Miaoli	China	Kellogg Continental The Netherlands
1975	1000	1	Guanomex, Salamanca	Mexico	Foster Wheeler/Uhde, USA
1975	1350	1	CF Industries Inc., Donaldsonville, LA	USA	Foster Wheeler/Uhde, USA
1975	1000	1	NET, Arklow	Ireland	Kellogg Continental The Netherlands
1975	1725	2	Société El Nasr d'Engrais et d'Industrières, Talkha	Egypt	Foster Wheeler, Italy
1975	1000	1	Qatar Fertiliser Company S.A.Q., Umm Said	Qatar	Chiyoda, Japan
1975	1080	1	Columbia Nitrogen Corp., Augusta, GA	USA	Braun, USA
1975	1300	1	Romchim, Bacau	Romania	Coppée-Rust, Belgium
1975	1050	1	Unichem, Homs	Syria	Heurtey, France
1974	1740	1	CNTIC, Jinling, Jiangsu Province	China	Heurtey, France
1974	1740	1	CNTIC, Guangzhou, Guangdong Province	China	Heurtey, France
1974	1740	1	CNTIC, Anqing, Anhui Province	China	Heurtey, France
1974	225	1	Nipak, Pryor, OK	USA	Braun, USA
1974	1350	1	Cominco, Calgary, Alberta	Canada	Foster Wheeler/Uhde, USA
1974	750	1	African Explosives & Chemical Industries, Modderfontein	South Africa	Kellogg Continental The Netherlands
1974	1080	1	Collier Carbon and Chemical Company, Kenai, AK	USA	Braun, USA
1974	1500	1	Shahpur Chemicals, Bandar Shahpur (Razi)	Iran	Kellogg Continental, the Netherlands
1974	1500	1	Iran Fertilizer Company, Shiraz	Iran	Heurtey, France
1974	330	1	Société Carbochimique, Tertre	Belgium	Société Carbochimique, Belgium
1973	1200	2	Korean Equipment Import Corporation, Sulbi	People's Republic of Korea	Uhde, Germany
1973	1620	1	CNTIC, Luzhou, Sichuan Province	China	Kellogg Continental The Netherlands
1973	1620	1	CNTIC, Panjin, Liaoning Province	China	Kellogg Continental The Netherlands
1973	1620	1	CNTIC, Daqing, Heilongjiang Province	China	Kellogg Continental The Netherlands
1973	300	1	Amoniaco Espanol, S.A., Málaga	Spain	McKee-CTIP, Spain
1973	600	1	Mitsubishi Gas Chemical Company Inc., Matsuhama	Japan	Chiyoda, Japan
1973	907	1	Agrico Chemical Company, Blytheville, AR	USA	Foster Wheeler/Uhde, USA
1973	580	1	Agrico Chemical Company, Verdigris River, OK	USA	Kellogg Continental The Netherlands

date of order	cap. mt/d	units	clients	country	contractor
1973	1550	1	Istanbul Gubre Sanayii A.S. (IGSAS), Ismit, Kocaeli	Turkey	Uhde, Germany
1973	1620	1	CNTIC, Canzhou, Hebei Province	China	Kellogg Continental The Netherlands
1973	1620	1	CNTIC, Shuifu, Yunnan Province	China	Kellogg Continental The Netherlands
1973	1620	1	CNTIC, Chishui, Guizhou Province	China	Kellogg Continental The Netherlands
1973	1620	1	CNTIC, Zhijiang, Hebei Province	China	Kellogg Continental The Netherlands
1973	1620	1	CNTIC, Yueyang, Hu'nan Province	China	Kellogg Continental The Netherlands
1973	1700	1	Pertamina, Santan, Kalimantan	Indonesia	Coppée-Rust, Belgium
1973	1350	1	Canadian Fertilizers Limited, Medicine Hat, Alberta	Canada	Foster Wheeler/Uhde, USA
1972	90	1	Melamina Ultra S.A., Camaçari	Brazil	Foster Wheeler, UK
1972	280	1	Refineria de Pétroleos de Escombreras, Cartagena	Spain	Tecnicas Reunidas, Spain
1972	1030	1	Mangalore Chemicals & Fertilizers Ltd., Mangalore	India	Humphreys & Glasgow, UK
1972	907	1	CF Industries Inc., Donaldsonville, LA	USA	Foster Wheeler/Uhde, USA
1971	1200	1	Indian Farmers Fertilizers Co. Ltd, Kalol, Gujarat	India	Humphreys & Glasgow, UK
1970	700	1	Chungju Fertilizer Corp., Chungju	Republic of Korea	Continental Engineering, The Netherlands
1970	600	1	Chemokomplex, Petfhrdo	Hungary	Evence CoppJe-Rust, Belgium
1970	1050	1	VEB Dhngemittelkombinat, Piesteritz	Germany	Chemoprojekt, Czech Republic
1970	2100	2	VEB Dhngemittelkombinat, Piesteritz	Germany	Chemoprojekt, Czech Republic
1970	900	2	Industrialimport, Tirgu Mures	Romania	Evence Coppée-Rust, Belgium
1969	600	1	Chemopetrol, Most	Czech Republic	Continental Engineering, The Netherlands
1969	600	1	Duslo n.p., Sala	Slovakia	Uhde, Germany
1969	900	2	Masinimport, Slobozia	Romania	Evence Coppée-Rust, Belgium
1969	900	2	Masinimport, Slobozia	Romania	Evence CoppJe-Rust, Belgium
1968	1085	2	Triad Corporation, Donaldsonville, LA	USA	Uhde, USA
1968	1000	1	DSM, Geleen	The Netherlands	DSM, The Netherlands
1968	100	1	Chemicals & Phosphates Ltd, Haifa	Israel	Chemicals & Phosphates, Israel
1968	86	1	Premier Petrochemical Company, Pasadena, CA	USA	McKee, USA
1968	1400	1	Kashima Ammonia Company, Tokyo	Japan	Chiyoda, Japan
1968	1400	2	The Kuwait Chemical Fertilizer Corp., Shuaiba	Kuwait	Chiyoda, Japan
1968	800	1	Mitsubishi Chemical Ind. Ltd, Kurosaki	Japan	Chiyoda, Japan
1967	120	1	Société des Usines Chimique Ugine Kuhlmann, Paimboeuf	France	Continental Engineering, The Netherlands
1967	550	1	Cuba Industrial, Cienfuegos	Cuba	Simon Carves, UK

date of order	cap. mt/d	units	clients	country	contractor
1967	125	1	Honam Fertilizer Co., Naju	Republic of Korea	Uhde, Germany
1967	800	1	Société Normande de l'Azote, Le Havre	France	Heurtey, France
1967	207	1	Industrial Development Corporation Government of the Union of Burma, Chauk	Myanmar	Uhde, Germany
1966	500	1	Sincat (subsidiary of Società Edison), Priolo, Sicily	Italy	Foster Wheeler, Italy
1966	350	1	Azolacq, Rouen	France	Heurtey, France
1966	900	2	Masinimport, Turnu Magurele	Romania	Evence Coppée-Rust, Belgium
1966	900	2	Masinimport, Craiova	Romania	Evence Coppée-Rust, Belgium
1966	500	2	Union Rheinische Braunkohlen Kraftstoff, Wesseling	Germany	Uhde, Germany
1966	700	1	Delhi Cloth Mills - Shriram Fertilisers & Chemicals, Kota	India	Chiyoda, Japan
1966	300	1	Kemira Oy, Oulu	Finland	Uhde, Germany
1965	135	1	Collier Carbon & Chemical Corporation, Los Angeles, CA	USA	Braun, USA
1965	135	1	Mobil Chemical Company, Beaumont, TX	USA	Braun, USA
1965	400	1	Mekog, Pernis	The Netherlands	Continental Engineering, The Netherlands
1965	150 ¹⁾	1	ANIC, Gela, Sicily	Italy	ANIC Italy
1965	170 ¹⁾	1	Sherrit Gordon Mines, Fort Saskatchewan, Alberta	Canada	Sherrit Gordon Mines, Canada
1965	300	1	Tvornica Ducicnih Gnojiva, Kutina	Croatia	Foster Wheeler, France
1965	250	1	Korean Industrial Equipment Import Corporation, Hung Nam	People's Republic of Korea	Continental Engineering, The Netherlands
1965	317	1	Terra Chemicals Int'l, Sioux City, IA	USA	Braun, USA
1965	220	1	DSM, Geleen	The Netherlands	DSM, The Netherlands
1965	520	1	African Explosives & Chemical Industries, Umbogintwini	South Africa	Continental Engineering, The Netherlands
1965	333	1	Salzgitter Chemie, Salzgitter	Germany	Uhde, Germany
1965	540	1	Saarbergwerke, Besch-Perl/Mosel	Germany	Continental Engineering, The Netherlands
1965	300	1	Société Carbochimique, Tertre	Belgium	Société Carbochimique, Belgium
1964	250	1	Korean Industrial Equipment Import Corporation, Hung Nam	People's Republic of Korea	Continental Engineering, The Netherlands
1964	77	1	Columbia Nitrogen Corp., Augusta, GA	USA	McKee, USA
1964	1800	6	Technoimport, Vratza	Bulgaria	Evence Coppée-Rust, Belgium
1964	600	2	Masinimport, Turnu Magurele	Romania	Uhde, Germany
1964	550	1	The Kuwait Chemical Fertilizer Corporation, Shuaiba	Kuwait	Foster Wheeler, UK
1964	410	1	Olin Mathieson Chem. Corp., Lake Charles, LA	USA	McKee, USA
1964	300	1	Chemokomplex, Petfürdo	Hungary	Evence Coppée-Rust, Belgium

date of order	cap. mt/d	units	clients	country	contractor
1963	300	1	Chemokomplex, Barcika	Hungary	Evence Coppée-Rust, Belgium
1963	300	1	Masinimport, Craiova	Romania	Uhde, Germany
1963	85	1	Chemical Fertilizer Co., Bangkok	Thailand	Uhde, Germany
1963	226	1	Nipak, Pryor, OK	USA	Braun, USA
1963	210	1	Esso Standard Chem.& Fert. Corp., Bataan	Philippines	Braun, USA
1963	500	2	CNTIC, Luzhou, Sichuan Province	China	Continental Engineering, The Netherlands
1962	500	2	Lischemkombinat, Severodonetsk	Ukraine	Continental Engineering, The Netherlands
1962	100	1	ICIANZ, Sydney	Australia	Humphreys & Glasgow, UK
1962	116 ¹⁾	1	Union Rheinische Braunkohlen Kraftstoff, Wesseling	Germany	URBK, Germany
1962	72 ¹⁾	1	Federation Chemicals, Trinidad	Trinidad	Federation Chemicals, Trinidad
1961	125	1	Ammoniaque Synthétique & Dérivés, Willebroek	Belgium	ASED, Belgium
1961	100	1	Sherrit Gordon Mines, Fort Saskatchewan, Alberta	Canada	Braun, USA
1961	75	1	Etablissements Kuhlmann, Paimboeuf	France	Continental Engineering, The Netherlands
1960	500	2	Elektro-Chemkombinat Chirchik, Tashkent	Uzbekistan	Continental Engineering, The Netherlands
1960	500	2	Chekino-Chemkombinat, Tula	Russia	Continental Engineering, The Netherlands
1960	500	2	Elektro-Chemkombinat, Salavat	Russia	Continental Engineering, The Netherlands
1960	300	2	ANIC, Gela Sicily	Italy	Snamprogetti, Italy
1960	200	1	Solar Nitrogen, Joplin, MO	USA	McKee, USA
1959	70	1	DSM, Geleen	The Netherlands	DSM, The Netherlands
1959	100 ¹⁾	1	Société Carbochimique, Tertre	Belgium	Société Carbochimique, Belgium
1959	210	1	Refineria de Petróleos de Escombreras, Cartagena	Spain	Braun, USA
1958	130	2	DSM, Geleen	The Netherlands	DSM, The Netherlands
1958	63	1	Federation Chemicals, Trinidad	Trinidad	Braun, USA
1958	70 ¹⁾	1	Société Carbochimique, Tertre	Belgium	Werkspoor, The Netherlands
1958	75	1	Union Rheinische Braunkohlen Kraftstoff, Wesseling	Germany	URBK, Germany
1958	150	2	ANIC, Milan	Italy	Snamprogetti, Italy
1957	300	3	African Explosives & Chemical Industries, Modderfontein	South Africa	Werkspoor, The Netherlands
1957	70	1	Société Carbochimique, Tertre	Belgium	Werkspoor, The Netherlands
1954	150	2	DSM, Geleen	The Netherlands	DSM, The Netherlands

¹⁾ = extension

2. Urea Granulation

date of order	cap. mt/d	units	clients	country	contractor
2008	3600	1	NPC – Lordegan	Iran	Iranian (by NPC)
2008	3600	1	NPC – Golestan	Iran	Iranian (by NPC)
2008	3600	1	NPC – Zanjan	Iran	Iranian (by NPC)
2008	1400	1	PJSC Novomoskovsk Joint Stock Company AZOT, Tula Region	Russia	Chemoprojekt
2007	2000	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	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	Belarus	Azot, Belarus

¹ Granulation modification

3. Urea Debottlenecking and improvements

date of order	cap. increase mt/d	client	country	Details
2007	350	Pak-American Fertilizers Ltd (PAFL)	Pakistan	Debottlenecking
2006	400	Khorasan Petrochemical Company (KPC)	Iran	Debottlenecking
2006	200	Acron J.S.C.	Russia	Debottlenecking, Pool reactor
2006	200	P.O. Azot, Grodno	Belarus	Debottlenecking, Granulation
2006		Canadian Fertilizers Limited, Medicine Hat, Alberta	Canada	Reactor trays (Siphon Jet Pumps)
2005	1520	Inner Mongolia Erdos Unichem International Co., Ltd	China	Debottlenecking and Safurex
2006		Ultrafertil, Auracaria	Brasil	Pool condenser
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	580	Ningxia GeoMaxima Holdings Fengyou Chemical Industrial Co. Ltd.	China	Debottlenecking
2004	870	China Petroleum Material & Equipment Corporation, PetroChina Urumqi Petrochemical Company	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	China	Debottlenecking
2003	870	China Petroleum Material & Equipment Corporation, PetroChina Ningxia Petrochemical Company	China	Debottlenecking
2003	350	Confidential client		Debottlenecking
2003		Fauji Fertilizer Bin Qasim Ltd, Bin Qasim	Pakistan	Reactor trays Jet Pumps) (Siphon
2003	300	Shiraz Petrochemical Company, Shiraz	Iran	Debottlenecking
2003		SKW Piesteritz, Wittenberg	Germany	Reactor trays Jet Pumps) (Siphon
2002	1000	Qatar Fertilizer Company, Umm Said	Qatar	Debottlenecking
2002	300	Razi Petrochemical Company	Iran	Debottlenecking
2002		SKW Piesteritz, Wittenberg	Germany	Reactor trays Jet Pumps) (Siphon
2001		SKW Piesteritz, Wittenberg	Germany	Reactor trays
2001		Duslo, Sala	Slowakije	Reactor trays
2001	350	Saudi Arabian Fertilizer Company (SAFCO), Al-Jubail	Saudi Arabia	Debottlenecking
2001	446	Asean Bintulu Fertilizer, Bintulu	Malaysia	Debottlenecking crystallisation

date of order	cap. increase mt/d	client	country	Details
				to evaporation
2001	635	PCS Geismar	United States	Pool reactor revamp Debottlenecking
2000		Ruwais Fertilizer Industries (FERTIL), Abu Dhabi	United Arab Emirates	Revamp
2000	680	Yunnan Yuntianhua Co. Ltd, Shuifu, Yunnan	China	Debottlenecking
2000		Shiraz Petrochemical Co. (SPC), Shiraz	Iran	Revamp
2000		Petrochemical Industries Kuwait Co, Shuaiba	Kuwait	Revamp
2000		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
1997		American Melamine Ind., Fortier	USA	Reactor trays
1997		Nitrogéművek, Petfürdő	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	850	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
1995		Unocal, Kenai Alaska	USA	Reactor trays
1995		Terra Nitrogen, Blytheville, Arkansas	USA	Reactor trays

date of order	cap. increase mt/d	client	country	Details
1995		Terra Nitrogen, Verdigris, Oklahoma	USA	Reactor trays
1995	450	IFFCO, Kalol	India	Debottlenecking
1995	475	Ultrafertil, Auracaria	Brazil	Debottlenecking
1994		CF Industries, Donaldsonville, LA	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	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
1986	26	Chemicals & Phosphates Ltd., Haifa	Israel	Debottlenecking
1985		Sinopec, Daqing, Heilongjiang Province	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

4. Urea new equipment inspections (HP vessels)

Year	Client	Location	Manufacturer
2004	Assaluyeh	Iran	Schoeller Bleckmann Nooter
2004	Qafco	Qatar	Schoeller Bleckmann Nooter
2004	Ningxia	China	Schoeller Bleckmann Nooter
2004	Kermanshah	Iran	Schoeller Bleckmann Nooter, N2
2004	SAMAD	Saudi Arabia	Schoeller Bleckmann Nooter
2003	SAFCO	Saudi Arabia	Schoeller Bleckmann Nooter and Belleli
2003	PIC	Kuwait	Schoeller Bleckmann Nooter
2003	ABF	Malaysia	Schoeller Bleckmann Nooter
2003	Kaltim	Indonesia	Schoeller Bleckmann Nooter
2002	Assaluyeh	Iran	Schoeller Bleckmann Nooter
2002	SKW Piesteritz	Germany	Schoeller Bleckmann Nooter
2001	Agrium	USA	Schoeller Bleckmann Nooter
2001	Semadco	Egypt	Schoeller Bleckmann Nooter
2001	Dneprozot	Ukraine	Schoeller Bleckmann Nooter
2001	Shiraz	Iran	Schoeller Bleckmann Nooter
2001	SKW Piesteritz	Germany	Schoeller Bleckmann Nooter
2001	Razi	Iran	Schoeller Bleckmann Nooter
2000	Kuwait 1	Kuwait	Schoeller Bleckmann Nooter
2000	Shiraz	Iran	Schoeller Bleckmann Nooter
2000	Nitrogenmuvek	Hungary	Schoeller Bleckmann Nooter
2000	Agrium	Canada	Böhler
1999	Fertil	United Arab Emirates	MHI
1999	Razi	Iran	Schoeller Bleckmann Nooter
1999	El Delta	Egypt	Schoeller Bleckmann Nooter
1999	Igsas	Turkey	Schoeller Bleckmann Nooter
1999	Agrium	Canada	Schoeller Bleckmann Nooter
1998	Homs	Syria	Schoeller Bleckmann Nooter
1998	Popka	Indonesia	Schoeller Bleckamnn Nooter

Year	Client	Location	Manufacturer
1998	Petfurdo	Hungary	Schoeller Bleckmann Nooter
1998	Ultrafertil	Brasil	Schoeller Bleckamann Nooter
1998	Police	Poland	Schoeller Bleckmann Nooter
1998	El Delta	Egypt	Schoeller Bleckmann Nooter
1997	Terra	USA	NFI
1997	Ultrafertil SA, Cubatao	Araucaria, Parana, Brasil	Schoeller Bleckmann Nooter
1997	AECL, South Africa	Modderfontein, Africa	Schoeller Bleckmann Nooter
1997	Triad Chemical, Donaldsonville	Donaldsonville, USA	Schoeller Bleckmann Nooter
1997	DSM	The Netherlands	BSL
1997	Krebs	France	BSL
1997	Qafco	Qatar	BSL
1997	Grande Parroise	France	BSL
1997	Abu Qir	Egypt	Belleli
1997	SKW	Germany	SBN
1997	Uhde/Abu Qir	Egypt	Belleli/Mecanica de la Pena
1997	Abu Qir	Egypt	SBN
1997	Saskferco	Canada	ZVU
1997	Fertil	Ruwais	SBN
1997	Tecnimont	Italy	FBM
1996	Razi Petrochem. Comp.	Bandar Imam	Schoeller Bleckmann Nooter
1996	Agrium, Carseland	Carseland, Canada	Schoeller Bleckmann Nooter
1996	Samad	Saudi Arabia	BSL
1996	PIC	Kuwait	Belleli
1996	CFL	Canada	Belleli
1996	CFI	USA	SBN
1996	Ferquimex	Mexico	SBN
1995	Police Nitrogen Works, Police	Police, Poland	Schoeller Bleckmann Nooter
1995	Sherritt Inc., Fort Saskatchewan	Saskatchewan, Canada	Schoeller Bleckmann Nooter
1995	CF Industries, Donaldsonville	Donaldsonville, USA	Schoeller Bleckmann Nooter
1995	Canadian Fert. Medicine Hat, Alberta	Medicine Hat, Canada	Schoeller Bleckmann Nooter
1995	Qafco	Qatar	Belleli

Year	Client	Location	Manufacturer
1994	CF Industries, Donaldsonville	Donaldsonville, USA	Schoeller Bleckmann Nooter
1994	Kawasaki Heavy Ind., Japan	Khorasan, Iran	Schoeller Bleckmann Nooter
1993	NPC Shiraz	Shiraz, Iran	Schoeller Bleckmann Nooter
1993	Irish Fertilizer Ind., Ireland	Cobh, Ireland	Schoeller Bleckmann Nooter
1992	CF Industries, Louisiana	Donaldsonville, Louisiana	Schoeller Bleckmann Nooter
1992	Triad Chem., Louisiana	Donaldsonville, Louisiana	Schoeller Bleckmann Nooter
1991	DSM	Geleen, The Netherlands	Schoeller Bleckmann Nooter
1991	Cominco, Canada	Carseland, Alberta	Schoeller Bleckmann Nooter
1991	Taiwan Fertilizer	Taiwan	BSL
1991	Safco	Saudi Arabia	BSL
1990	Mangalore Chem. & Fert. Ltd.	Mangalore, India	Schoeller Bleckmann Nooter
1990	Grande Paroisse	France	BSL
1990	Saferco	Canada	BSL
1989	AECI, South Africa	Modderfontein, Africa	Schoeller Bleckmann Nooter
1989	Chemokomplex, Budapest, Hungary	Petfürdo, Hungary	Schoeller Bleckmann Nooter
1988	American Cynamid Co., USA	Westwego, USA	Schoeller Bleckmann Nooter
1985	Cominco	Canada	Schoeller Bleckmann Nooter
1985	AECI, South Africa	Modderfontein, Canada	Schoeller Bleckmann Nooter
1984	Petrochemical Ind. Co. KSC	Shuabia, Kuwait	Schoeller Bleckmann Nooter
1984	Chemicke Zavody	Czechoslovakia	BSL
1983	Chiyoda Corp., Yokohama, Japan	Saudi Arabia	Schoeller Bleckmann Nooter
1983	Petrochemical Ind.Co. KSC	Kuwait	Schoeller Bleckmann Nooter
1983	Uhde, Dortmund, W. Germany	KYAW ZWA, Burma	Schoeller Bleckmann Nooter
1983	Cominco	Calgary, Canada	Schoeller Bleckmann Nooter
1982	Coppee SA, Brussels, Belgium	Petfürdo, Hungary	Schoeller Bleckmann Nooter
1982	Coppee Rust, Brussels, Belgium	Cheng Du, China	Schoeller Bleckmann Nooter
1982	Uhde, Dortmund, W. Germany	Marsal El Brega, Libya	Schoeller Bleckmann Nooter
1982	Foster Wheeler, Livingstone USA	Fort Saskatchewan, Canada	Schoeller Bleckmann Nooter
1982	Stamicarbon for Triad Chem., USA	Donaldsonville, Louisiana	Schoeller Bleckmann Nooter
1982	Canadian Fert., Medicine Hat	Medicine Hat, Canada	Schoeller Bleckmann Nooter
1981	Invest Export, Berlin	Piesteritz, Germany	Schoeller Bleckmann Nooter

Year	Client	Location	Manufacturer
1981	Melamina Ultra Camacari	Camacari, Brazil	Schoeller Bleckmann Nooter
1981	China Nat. Tech.Imp.Corp., Peking	Zhenhai, China	Schoeller Bleckmann Nooter
1980	Stamicarbon f.Ind. Development	Burma	Schoeller Bleckmann Nooter
1980	APC	France	BSL
1979	DSM	The Netherlands	BSL
1978	Petrochemical In.Co. KSC	Ahmadi, Kuwait	Schoeller Bleckmann Nooter
1978	Ferromet, Prague/ZVU, Hradec Kralove	Angarsk, USSR	Schoeller Bleckmann Nooter
1977	Foster Wheeler Italiana, Milano	Marsa El Brega, Libya	Schoeller Bleckmann Nooter
1977	Chemokomplex, Budapest	Petfürdő, Hungary	Schoeller Bleckmann Nooter
1977	State Fert. Manufact. Co.	Sri Lanka	Schoeller Bleckmann Nooter
1977	Petrochemical Ind.Co. KSC	Kuwait	Schoeller Bleckmann Nooter
1977	Petrochemical Ind.Co. KSC	Ahmadi, Kuwait	Schoeller Bleckmann Nooter
1977	Ferromet, Prague/ZVU, Hradec Kralove	Tsjerkassy, USSR	Schoeller Bleckmann Nooter
1977	Ferromet, Prague/ZVU, Hradec Kralove	Grodno, USSR	Schoeller Bleckmann Nooter
1977	Zakladi Chemiczne	Poland	BSL
1976	Kellogg Continental, NL	Marino Point	Schoeller Bleckmann Nooter
1976	Coppee-Rust, Brussels, Belgium	Burma	Schoeller Bleckmann Nooter
1976	Heurtey, Paris	Shiraz, Iran	Schoeller Bleckmann Nooter
1976	Semadco, Cairo	Talkha, Egypt	Schoeller Bleckmann Nooter
1976	Unichem	Syria	BSL
1975	Kellogg Continental, NL	Bandar Shapur	Schoeller Bleckmann Nooter
1975	Kellogg Continental, NL	South Africa	Schoeller Bleckmann Nooter
1975	Taiwan Fertilizer	Taiwan	BSL
1974	SGP/Uhde, Germany	North Korea	Schoeller Bleckmann Nooter
1974	Kellogg Continental, NL	China	Schoeller Bleckmann Nooter
1974	Canadian Fert. Ind.	Canada	BSL
1974	Ugine Kuhlmann	France	BSL
1974	Canadian Fert. Ind.	Canada	BSL
1974	Azolacq	France	BSL
1972	Continental Engineering, NL	Chungju, South Korea	Schoeller Bleckmann Nooter
1972	DSM	The Netherlands	BSL

Year	Client	Location	Manufacturer
1971	Continental Engineering, NL	Most, Czechoslovakia	Schoeller Bleckmann Nooter

5. Urea new SAFUREX[®] equipment delivery

Year	Client	Location	Equipment
2006	Fatima	Pakistan	Pool reactor
2006	Acron J.S.C.	Russia	Pool reactor
2006	Fosfertil	Brazil	Pool condenser
2006	Qafco 2	Qatar	Pool condenser
2006	Razi	Iran	HP Stripper
2006	Agrium	USA	HP Stripper
2006	CFL	USA	Siphon jet reactor trays
2006	Erdos	China	HP Stripper
2006	Erdos	China	Pool condenser
2006	Erdos	China	Urea reactor
2006	Erdos	China	HP piping
2006	Qafco 3	Qatar	HPCC
2005	Mangalore	India	HP stripper
2005	Terra	USA	HP stripper
2005	Agrium CNO	Canada	HP scrubber (heat exchanger part)
2005	Urumqi	China	HP stripper
2005	Kafco	Bangladesh	Siphon jet reactor trays
2005	SKW, Piesteritz	Germany	HP condenser
2005	PIC	Kuwait	HP condenser
2005	Perm	Russia	Urea reactor
2004	Qafco	Qatar	HP reactor
2004	Qafco	Qatar	Siphon jet trays
2004	Ningxia	China	Pool reactor
2004	Ningxia	China	HP stripper
2004	Fauji	Pakistan	Siphon jet reactor trays
2004	Odessa	Ukraine	HP stripper

Year	Client	Location	Equipment
2004	Assaluyeh 2	Iran	HP scrubber
2004	Assaluyeh 2	Iran	HP stripper
2004	Assaluyeh 2	Iran	Urea reactor
2004	Assaluyeh 2	Iran	Pool condenser
2004	Kafco	Bangladesh	HP stripper
2003	ABF	Malaysia	Siphon jet reactor trays
2003	ABF	Malaysia	HP control valve
2003	ABF	Malaysia	HP piping (partly)
2003	Ningxia	China	Pool condenser
2003	PIC	Kuwait	HP carbamate condenser
2003	Agrium	Canada	HP piping (reactor – scrubber)
2003	SAFCO	Saudi Arabia	HP piping
2003	SAFCO	Saudi Arabia	HP scrubber
2003	SAFCO	Saudi Arabia	Pool condenser
2003	SAFCO	Saudi Arabia	Urea reactor
2003	SAFCO	Saudi Arabia	Valves & accessories
2003	SAFCO	Saudi Arabia	HP stripper
2003	SAMAD	Saudi Arabia	HP stripper
2003	SKW, Piesteritz	Germany	Siphon jet reactor trays
2002	ABF	Malaysia	HP stripper
2002	ABF	Malaysia	HP carbamate condenser
2002	Agrium	Canada	Several (control) valves
2002	Assaluyeh 1	Iran	HP scrubber
2002	Assaluyeh 1	Iran	Urea reactor
2002	Assaluyeh 1	Iran	HP stripper
2002	Assaluyeh 1	Iran	Pool condenser
2002	SKW, Piesteritz	Germany	Siphon jet reactor trays
2001	Agrium	Canada	HP piping
2001	Dneprozot	Ukraine	HP carbamate condenser
2001	EI Delta	Egypt	HP carbamate condenser
2001	Razi	Iran	HP carbamate condenser

Year	Client	Location	Equipment
2001	Shiraz	Iran	HP stripper
2001	SKW, Piesteritz	Germany	Siphon jet reactor trays
2000	Agrium FNO	USA	HP stripper
2000	Shiraz	Iran	High efficiency reactor trays
1999	Nitrogenmuvek	Hungary	HP carbamate condenser
1998	El Delta	Egypt	HP carbamate condenser
1998	Police	Poland	HP carbamate condenser
1998	Ultrafertil	Brazil	Top Internals HP stripper
1997	DSM	The Netherlands	HP stripper liquid distributors
1996	DSM	The Netherlands	HP scrubber bundle

6. Urea Plant Inspections (HP vessels)

year	numbers of clients	number of countries	countries
2006 ²	10	8	Canada, Bangladesh, USA, Qatar, France, India, Indonesia, Malaysia
2005	21	13	France, Canada, Abu Dhabi, Argentina, Germany, Brasil, USA, Saudi Arabia, Libya, Poland, Iran, Egypt, Syria
2004	14	11	Bangladesh, Argentina, Egypt, Germany, India, Iran, Brasil, USA, Malaysia, Qatar, Kuwait
2003	19	12	Pakistan, Germany, Qatar, Canada, Saudi Arabia, Kuwait, France, Turkey, Libya, Syria, Bangladesh, Brasil
2002	11	9	Saudi Arabia, Bangladesh, Syria, Columbia, France, Canada, Germany, Egypt, Iran
2001	46	21	Africa, Bangladesh, Brasil, Canada, China, Egypt, France, India, Iran, Kuwait, Malaysia, The Netherlands, Pakistan, Poland, Qatar, Romania, Syria, Qatar, Saudi Arabia, United Arab Emirates, United States
2000	28	16	Alaska, Bangladesh, Canada, Egypt, France, Germany, India, Iran, Ireland, Kuwait, Libya, Malaysia, Pakistan, Poland, Qatar, United States
1999	31	18	Austria, Bangladesh, Brazil, Canada, Egypt, France, Ireland, Kuwait, Libya, Malaysia, Poland, Qatar, Saudi Arabia, Syria, Taiwan, United Arab Emirates, United States
1998	18	16	Austria, Bangladesh, Brazil, Egypt, France, Hungary, India, Iran, Kuwait, Libya, Nigeria, Poland, Qatar, Turkey, United Arab Emirates, United States
1997	24	18	Bangladesh, Canada, Egypt, France, Germany, India, Indonesia, Libya, Malaysia, Pakistan, Poland, Qatar, Romania, Saudi Arabia, Syria, Taiwan, United Arab Emirates, United States
1996	22	17	Bangladesh, Brazil, Canada, Egypt, France, Germany, Ireland, Libya, Mexico, Nigeria, Poland, Saudi Arabia, Syria, Turkey, United Arab Emirates, USA
1995	26	17	Bangladesh, Brazil, Canada, France, India, Iran, Israel, Kuwait, Libya, Mexico, Qatar, Romania, Saudi Arabia, Syria, Taiwan, United Arab Emirates, USA
1994	24	16	Bangladesh, Brazil, Canada, China, France, Germany, India, Iran, Kuwait, Qatar, Nigeria, Romania, Saudi Arabia, Turkey, United Arab Emirates, USA
1993	15	10	Canada, France, India, Iran, Ireland, Israel, Libya, Qatar, Saudi Arabia, USA
1992	11	9	Canada, China, Egypt, France, Ireland, Israel, Nigeria, Turkey, United Arab Emirates
1991	14	11	Bangladesh, Brazil, Canada, France, India, Ireland, Israel, Kuwait, South Africa, Syria, USA
1990	12	11	Brazil, China, Egypt, France, India, Indonesia, Ireland, Libya, Spain, United Arab Emirates, USA
1989	10	9	Canada, China, Egypt, Finland, France, India, Nigeria, Qatar, USA
1988	10	9	Bangladesh, Egypt, Hungary, Indonesia, Israel, Kuwait, Saudi Arabia, Turkey, USA
1987	15	13	Belgium, Burma, Canada, China, France, Hungary, India, Libya, Qatar,

² till June 2006

year	numbers of clients	number of countries	countries
			South Africa, Spain, United Arab Emirates, USA
1986	11	11	Bangladesh, Canada, France, Hungary, India, Ireland, Israel, Croatia, Libya, Malaysia, USA
1985	17	14	Belgium, Canada, Egypt, France, Hungary, India, Indonesia, Ireland, Israel, Kuwait, Libya, Qatar, Syria, USA
1984	12	9	Bangladesh, Belgium, Brazil, Canada, France, Hungary, Libya, Saudi Arabia, USA
1983	14	11	Belgium, Canada, China, France, Ireland, Israel, Japan, Qatar, South Africa, Turkey, USA
1982	13	9	Burma, Canada, China, Egypt, France, Hungary, Mexico, Spain, USA
1981	13	10	Belgium, Egypt, France, Germany, India, Ireland, Israel, Kuwait, Qatar, USA
1980	15	9	Belgium, Canada, Egypt, Finland, France, India, Kuwait, Qatar, USA

7. Urea Services

date of order	project	client	country
2007	Revamp Study	Saskferco Products Inc., Regina, Saskatchewan	Canada
2007	Revamp Study	JSC Salavatnefteorgsintez Mineral Fertilizer Plant, Salavat	Russia
2007	Revamp Study	Pak American Fertilizers Limited (PAFL), Lahore	India
2007	Revamp Study	Agrium U.S. Inc., dba Agrium Kenai Nitrogen Operations, Kenai	Alaska
2006	Revamp Study	Chemoprojekt a.s., Praha	Czech Republic
2006	Revamp Study	Sichuan Lutianhua Stock Co. Ltd, Luzhou, Sichuan	China
2006	Revamp Study	Petrobras Energia S.A., Campana, Buenos Aires	Argentina
2006	Revamp Study	Abu Qir Fertilizers and Chemical Industries Co, Alexandria	Egypt
2006	Revamp Study	Egyptian Fertilizer Company (EFC), Giza	Egypt
2005	Revamp Study	JSC "AZOT", Cherkassy	Ukraine
2005	Revamp Study	Grande Paroisse, Oisel	France
2005	Revamp Study	Ceamag Sarl, Plaisir	France
2002	Revamp Study	SKW Stickstoffwerke Piesteritz GmbH, Wittenberg	Germany
2002	Revamp Study	Ultrafertil S.A., Araucária, Parana	Brazil
2001	Revamp Study	Agrium U.S. Inc., Denver, Colorado	USA
1998	Revamp Study	Incitec Limited, Morningside, Queensland	Australia
1998	Revamp Study	Karnaphuli Fertilizer Company Limited (KAFCO), Dhaka	Bangladesh
1998	Revamp Study	Mangalore Chemicals & Fertilizers Ltd (MCF), Bangalore	India
1997	Revamp Study	Hydro Agri Sluiskil B.V., Sluiskil	the Netherlands
1997	Revamp Study	Shiram Fertilizers, Kota	India
1996	Revamp Study	Petrochemical Industries Company, Shuaiba	Kuwait
1996	Revamp Study	Nitrogenművek Rt., Petfurdo	Hungary
1996	Revamp Study	Chimco, Vratza	Bulgaria
1995	Revamp Study	Indian Farmers Fertiliser Coop., Ltd, Kalol	India

date of order	project	client	country
1995	Revamp Study	Agrium Inc., Calgary, Alberta	Canada
1995	Revamp Study	Kynoch Fertilizer Limited, Modderfontein	South Africa
1995	Revamp Study	Istanbul Gubre Sanayii A.S. (IGSAS), Körfez, Kocaeli	Turkey
1995	Revamp Study	Arcadian Corporation, Augusta, Georgia	USA
1995	Revamp Study	Ultrafertil S.A., Araucaria, Parana	Brazil
1995	Revamp Study	Unocal Corporation, Kenai, Alaska	USA
1994	Revamp Study	Saskferco Products Inc., Belle Plaine, Saskatchewan	Canada
1994	Revamp Study	National Petrochemical Company (NPC), Razi Petrochemical Complex, Bandar Iman Khomeini	Iran
1994	Desk Study Hydrolyzer	Canadian Fertilisers Limited, Medicine Hat, Alberta	Canada
1994	Debottlenecking Study	Unocal Agricultural Products, Kenai, Alaska	USA
1994	Technical Assistance/Consultancy	National Petrochemical Company, Razi Chemical Complex, Bandar Iman Khomeini	Iran
1993	Debottlenecking Study	Jinling Petrochemical Corporation, Nanjing	China
1993	Waste Water Study	Qatar Fertiliser Company S.A.Q., Umm Said	Qatar
1993	Desk Study Waste Water System	Al-Jubail Fertilizer Company (SAMAD), Madinat, Al-Jubail	Saudi Arabia
1993	Debottlenecking Study	Techmashimport, Angarsk	Russia
1992	Debottlenecking Study	Shiraz Petrochemical Company, Shiraz	Iran
1991	Debottlenecking Study	Irish Fertilizer Industries, Ltd., Cobh	Ireland
1990	Training Programme Middle Management	Fauji Fertilizer Company Ltd., Sadiqabad, Rahimyar Khan	Pakistan
1990	Technical Assistance Training	Fauji Fertilizer Company Ltd., Sadiqabad, Rahimyar Khan	Pakistan
1990	Technical Assistance/Consultancy Services Plant Operation	Karnaphuli Fertilizer Company Ltd., Chittagong	Bangladesh
1990	Debottlenecking Study	Zia Fertilizer Company Ltd., Ashuganj	Bangladesh
1990	Debottlenecking Study	P.T. Pupuk Kalimantan Timur, Balikpapan	Indonesia
1989	Extension of Technicals Assistance	Asean Bintulu Fertilizer Sdn.Bhd., Bintulu	Malaysia
1988	Technical Assistance Mechanical maintenance	Asean Bintulu Fertilizer Sdn.Bhd., Bintulu	Malaysia
1987	Technical Assistance, extension	Asean Bintulu Fertilizer Sdn.Bhd., Bintulu	Malaysia

date of order	project	client	country
1986	Dynamic Real-Time Simulation Software for process Operator Training	Sinopec International, Beijing	China
1986	Advanced Process Control	Sinopec International, Beijing	China
1986	Training of Urea and Ammonia Process Engineers	Istanbul Gubre Sanayii A.S. (IGSAS), Ismit, Kocaeli	Turkey
1986	Training of Operators	Istanbul Gubre Sanayii A.S. (IGSAS), Ismit, Kocaeli	Turkey
1986	Technical Assistance, prolongation	Asean Bintulu Fertilizer Sdn.Bhd., Bintulu	Malaysia
1985	Training of Urea Process and Maintenance Engineers	Abu Qir Fertilizers and Chemical Industries Co., Alexandria	Egypt
1985	Training of Urea Process Engineers	Qatar Fertiliser Company S.A.O., Umm Said	Qatar
1985	Training of Ammonia Process and Maintenance Engineers	Abu Qir Fertilizers and Chemical Industries Co., Alexandria	Egypt
1985	Training of Urea Process Engineers	Kaiser Agricultural Chemicals, Pryor, OK	USA
1985	Assistance in Urea Plant operation	Petrochemical Industries Corporation	Myanmar
1985	Assistance in Urea Plant operation	Asean Bintulu Fertilizer Sdn. Bhd., Bintulu	Malaysia
1984	Advanced Process Control	Abu Dhabi National Oil Corp., Abu Dhabi	United Arab Emirates
1984	Dynamic Simulation of the Urea Process	Asean Bintulu Fertilizer Sdn.Bhd., Bintulu	Malaysia
1984	Training of Supervisors, Superintendents, Managers and Chemists for NH ₃ /Urea Complex	Asean Bintulu Fertilizer Sdn.Bhd., Bintulu	Malaysia
1984	Transfer of Inspection Know-How	Sinopec, Nanjing, Jiangsu Province	China
1984	Training of Urea Process and Maintenance Engineers	Petrochemical Industries Corp.	Myanmar
1984	Hazard and Consequence Study for NH ₃ /Urea Complex	Petrochemical Industries Company (KSC), Ahmadi	Kuwait
1984	Operation Assistance, Urea Plant	P.T. Pupuk Kalimantan Timur, Bontang	Indonesia
1984	Training of Urea Process and Maintenance Engineers	Abu Qir Fertilizers and Chemical Industries Co., Alexandria	Egypt
1984	Training of Rotating Equipment Engineers	P.T. Pupuk Kalimantan Timur, Bontang	Indonesia
1983	Advanced Process Control	Sherritt Gordon Mines Ltd., Fort Saskatchewan, Alberta	Canada
1983	Advanced Process Control	Triad Corporation, Donaldsonville, LA	USA
1982	Training of Operations Personnel	Sirte Oil Company (NPC), Benghazi	Libya
1982	Training of Urea Process and Maintenance Engineers	Abu Qir Fertilizers and Chemical Industries Co., Alexandria	Egypt

date of order	project	client	country
1982	Technical Assistance	Al-Jubail Fertilizer Company (SAMAD), Madinat, Al-Jubail	Saudi Arabia
1981	Training of Laboratory Manager	Abu Dhabi National Oil Corp., Abu Dhabi	United Arab Emirates
1981	Training of operators/maintenance personnel	P.T. Pupuk Kalimantan Timur, Bontang	Indonesia
1981	Technical Assistance	Abu Qir Fertilizers and Chemical Industries Co., Alexandria	Egypt
1980	Practical training of operators	Ashunganj Fertilizers & Chemical Co. Ltd., Dhaka	Bangladesh
1980	Training of process engineers	Abu Qir Fertilizers and Chemical Industries Co., Alexandria	Egypt
1980	Training of lab technicians	Sirte Oil Company (NPC), Marsa el-Brega	Libya
1978	Practical maintenance training of mechanical and instrument engineers	Ashunganj Fertilizers & Chemical Co. Ltd., Dhaka	Bangladesh
1978	Training of mechanical and instrument engineers	State Fertilizer manufacturing Corp., Sapugaskanda	Sri Lanka
1977	Training of process operators	National Oil Corporation, Marsa el-Brega	Libya
1967	Technical assistance for fertilizer plant	Planters Products, Bataan	Philippines
1973/74	Technical assistance for fertilizer plant Government of the Union of Burma, Kuyin Choung	Industrial Development Corporation	Myanmar

8. Polyethylene (high, medium, linear low density) ²⁾

date of order	cap. mt/y	client	country	contractor
1998	120 000	Kazanorgsinthez S.C., Kazan	Tatarstan (Russian Federation)	Salzgitter Anlagenbau GmbH, Salzgitter
1996	100 000	Huntsman Corp. (Rexene), Odessa, TX	USA	Fluor Daniel, USA
1994	35 000	Northern Polyethylene Ltd., Islamabad	Pakistan	Kvaerner Process, The Netherlands
1989	70 000	Hyundai Petrochemical Co. Ltd., Daesan	Republic of Korea	Kvaerner Process, The Netherlands/ Hyundai Engineering, Korea
1987	140 000	Formosa Plastics Corp., Taipei	Republic of China	CTCI, China
1984	60 000	DSM, Geleen	The Netherlands	DSM, The Netherlands
1982	60 000	Idemitsu Petrochemical Company Ltd., Chiba	Japan	Kawasaki Heavy Industries Japan
1981	50 000	DSM, Geleen	The Netherlands	DSM, The Netherlands

9. Melamine

date of order	cap. mt/d	client	country	contractor
1994	150	P.T. DSM Kaltim Melamine, Kalimantan, Bontang	Indonesia	Lummus Crest, The Netherlands
1988	160	DSM, Geleen	The Netherlands	Lummus Crest, The Netherlands
1986	158 ²⁾	American Melamine Industries, Fortier, LA	USA	Barnard & Burk Brown & Root, USA
1982	60	Saudi Arabian Fertilizer Company, Al-Damman	Saudi Arabia	Chiyoda, Japan
1980	40	Sichuan Chemical Works, Qin Bai Chang, Chengdu Sichuan Province	China	Coppée-Rust, Belgium
1977	200 ¹⁾	DSM, Geleen	The Netherlands	
1974	33	Taiwan Fertilizer Co., Hsinchu	China	Braun, USA
1972	24	Melamina Ultra S.A., Camaçari, Bahia	Brazil	Foster Wheeler, UK
1969	95	Melchem Inc., Donaldsonville, LA	USA	Uhde, Germany
1969	95	American Cyanamid Company, Fortier, LA	USA	Braun, USA
1968	27	Premier Petrochemical Company, Pasadena, TX	USA	Mckee, USA
1968	90	DSM, Geleen	The Netherlands	DSM, The Netherlands
1967	30	DSM, Geleen	The Netherlands	DSM, The Netherlands

¹⁾ = Extension

²⁾ = Revamp

10. Caprolactam

date of order	cap. mt/y	client	country	contractor
1998		Monomeros Colombo - Venezolanos S.A., Barranquilla	Colombia	-
1996	120 000 ²⁾	China Petrochemical Development Corp. (CPDC), Kaohsiung	China	-
1988	50 000 ²⁾	Yueyang General Petrochemical Works, Yueyang, Hu'nan Province	China	Chiyoda, Japan
1988	50 000 ²⁾	Nanjing Oriental Chemical Industry Corp., Nanjing, Jiangu Province	China	Didier, Germany
1987	6 500 ³⁾	Monomeros Colombo - Venezolanos S.A., Barranquilla	Colombia	MCV, Colombia
1984	50 000 ¹⁾	Fertilizers and Chemicals Travancore Ltd., Udyogamandal, Kerala	India	Chiyoda, Japan FEDO, India
1980	14 000 ³⁾	Univex S.A., Salamanca	Mexico	Univex S.A., Mexico
1980	100 000 ¹⁾	Mexaro S.A. de C.V., Coatzacoalcos	Mexico	Proyecta/McKee, Mexico
1978	100 000 ²⁾	Hyundai Co., Yeo Cheon	Republic of Korea	McKee, USA
1977	4 000 ³⁾	Monomeros Colombo - Venezolanos S.A., Barranquilla	Colombia	Foster Wheeler, USA
1976	70 000 ²⁾	Nypro (UK) Ltd, Flixborough	UK	Simon Carves, UK
1974	50 000 ²⁾	Chung - Tai Chemical Industries Corp., Toufen	China	Didier, Germany
1974	70 000 ²⁾	Columbia Nipro Corp., Augusta	USA	McKee, USA
1973	35 000 ²⁾	Nitro Carbono SA, Camaçari-Bahia	Brazil	Chiyoda, Japan
1972	33 000 ¹⁾	Hankook Caprolactam Corporation, Ulsan	Republic of Korea	Chiyoda, Japan
1972	50 000 ²⁾	Chung - Tai Chemical Industries Corp., Kaohsiung	China	Didier, Germany
1970	50 000 ²⁾	Columbia Nipro Corp., Augusta, GA	USA	McKee, USA
1969	40 000 ¹⁾	Univex S.A., Salamanca	Mexico	McKee, USA
1969	50 000 ²⁾	Nypro (UK) Ltd, Flixborough	UK	Simon Carves, UK
1968	16 500 ¹⁾	Monomeros Colombo - Venezolanos S.A., Barranquilla	Colombia	McKee, USA
1966	30 000 ¹⁾	DSM, Geleen	The Netherlands	DSM, The Netherlands
1966	20 000 ¹⁾	Nypro (UK) Ltd, Flixborough	UK	Simon Carves, UK
1965	30 000 ¹⁾	DSM, Geleen	The Netherlands	DSM, The Netherlands
1965	20 000 ¹⁾	Columbia Nipro Corp., Augusta, GA	USA	McKee, USA
1964	50 000 ¹⁾	Techmashimport, Grodno	Belarus	Continental Engineering, The Netherlands
1964	50 000 ¹⁾	Techmashimport, Kemerovo	Russia	Continental Engineering, The Netherlands
1963	22 000 ¹⁾	DSM, Geleen	The Netherlands	DSM, The Netherlands
1960	10 000 ¹⁾	DSM, Geleen	The Netherlands	DSM, The Netherlands
1958	4 000 ¹⁾	DSM, Geleen	The Netherlands	DSM, The Netherlands
1952	4 000 ¹⁾	DSM, Geleen	The Netherlands	DSM, The Netherlands

¹⁾ = High Sulphate Process

²⁾ = Low Sulphate Process

³⁾ = Debottlenecking

11. Cyclohexanone oxime

date of order	cap.mt/y	client	country	contractor
1974	70 000 ¹⁾	DSM, Geleen	The Netherlands	Didier, Germany
1970	70 000 ¹⁾	Ube Industries Ltd., Tokyo	Japan	Chiyoda, Japan

1) = Sulphate-free

12. Phenol

date of order	cap. mt/y	client	country	contractor
1989	120 000	Nippon Steel Chemical Co. Ltd., Kitakyushu-shi	Japan	Chiyoda, Japan
1979	15 000	Gujarat Industrial Investment Corp., Ahmedabad	India	Krebs, France
1972	50 000 ²⁾	Chemische Industrie Rijnmond, Rotterdam	The Netherlands	DSM, The Netherlands
1972	100 000	Chemische Industrie Rijnmond, Rotterdam	The Netherlands	DSM, The Netherlands
1967	25 000 ²⁾	Chemische Industrie Rijnmond, Rotterdam	The Netherlands	DSM, The Netherlands
1964	30 000 ²⁾	Chemische Industrie Rijnmond, Rotterdam	The Netherlands	DSM, The Netherlands
1962	30 000	Chemische Industrie Rijnmond, Rotterdam	The Netherlands	Bechtel, USA

²⁾ = extension

13. Thermoplastic rubber (olefinic)

date of order	cap. mt/y	client	country	contractor
1984	20 000 ¹⁾	DSM, Geleen	The Netherlands	DSM, The Netherlands
1979	8 000	DSM, Geleen	The Netherlands	DSM, The Netherlands

¹⁾ = extension

²⁾ = acquired

14. EPDM rubber

date of order	cap. mt/y	client	country	contractor
1996	15 000 ²⁾	Nitriflex S.A., Triumfo	Brazil	Local
1993	60 000 ¹⁾	DSM, Geleen	The Netherlands	DSM, The Netherlands
1989	70 000 ²⁾	DSM Copolymer, Baton Rouge Louisiana	USA	Local
1988	40 000	DSM/Idemitsu Petrochemical Company Ltd., Chiba	Japan	Mitsubishi Heavy Industries, Japan
1986	60 000 ¹⁾	DSM, Geleen	The Netherlands	DSM, The Netherlands
1980	50 000 ¹⁾	DSM, Geleen	The Netherlands	DSM, The Netherlands
1976	30 000 ¹⁾	DSM, Geleen	The Netherlands	DSM, The Netherlands
1969	15 000	DSM, Geleen	The Netherlands	DSM, The Netherlands
1966	15 000	DSM, Geleen	The Netherlands	DSM, The Netherlands

15. Miscellaneous Services

date of order	project	client	country
1998	TISFLO (flowsheeting) Package	Cain, Freeport, TX	USA
1998	TISFLO (flowsheeting) Package	Deutsche Marathon Petroleum GmbH, Burghausen	Germany
1995	Technical assistance construction	DKM, Bontang, Kalimantan	Indonesia
1995	Technical services - operation	Thai Tank Terminal, Mapta Phut Rayong	Thailand
1994	Review and strategic recommendations for PVC plant in Albania	Enterprise Reconstructing Agency, Tirana	Albania
1994	National gas development study for Bulgaria	World Bank, Washington, USA	Bulgaria
1994	Technical services engineering & construction	Thai Tank Terminal Ltd, Map Ta Phut, Rayong	Thailand
1994	Assistance for Project NFII/SZF's, KGFIll	DSM Agro Specialties bv, Sittard	The Netherlands
1994	Debottlenecking study and technical assistance operations	Rockwool Lapinus bv, Roermond	The Netherlands
1994	Technical assistance for project management	ADB bv, Geleen	The Netherlands
1994	Assistance license contract	NBM-Amstelland, Delft	The Netherlands
1993	Training estimating	Philips bv, Eindhoven	The Netherlands
1993	Training operating staff	AECI Explosives and Chemicals Ltd. Modderfontein Factory, Modderfontein	South Africa
1993	Training of shipping and handling personnel	Sirte Oil Company, Marsa el-Brega	Libya
1993	Debottlenecking study	Monomeros Colombo Venezolanos, S.A., Barranquilla	Colombia
1993	Technical assistance for construction management activities with Nedcar, Born	Takenaka - Laudy VOF, Sittard	The Netherlands
1993	Technical assistance for construction management activities	ENCI Nederland bv, Maastricht	The Netherlands
1992	Technical assistance, training programme plant operations and start up	N.V. Afvalverwerking Rijnmond, Rotterdam	The Netherlands
1992	Technical assistance and training programme plant operations	Rockwool Lapinus bv, Roermond	The Netherlands
1992	Training plant management	Zakaria Razi Chemical Company, Tehran	Iran
1991	Training programme plant operations	Demkolec bv, Buggenum	The Netherlands
1991	Consultancy on training needs	Ministry of Development & Industry, Manama	Bahrain
1991	Consultancy services effluent water plant	Ras Lanuf Oil & Gas Processing Co.,Inc. (RASCO), Ras Lanuf	Libya
1991	Training programme plant maintenance	Sirte Oil Company, Marsa el-Brega	Libya
1990	Training programme middle management	KNP Papier bv, Maastricht	The Netherlands
1990	Consultancy on training needs and programme	Demkolec bv, Buggenum	The Netherlands
1989	Technical assistance plant operations	DSM High Performance Fibers, Heerlen	The Netherlands
1989	Technical assistance plant operations	DSM Agro bv, Sittard	The Netherlands
1989	Technical assistance plant operations	DSM Chemicals & Fertilizers, Sittard	The Netherlands
1989	Technical assistance plant operations	American Melamine Industries Inc., Avondale, LA	USA
1989	Equipment inspection melamine plant	American Melamine Industries Inc., Avondale,	USA

date of order	project	client	country
		LA	
1988	Training program mechanical maintenance	KNP Papier bv, Maastricht	The Netherlands
1988	Training program laboratory technology Kuwait	LEC International bv, Valkenswaard	The Netherlands
1988	Additional BCIC management training	Development Cooperation Department, Ministry of Foreign Affairs	The Netherlands
1988	Training programme plastic applications and standards	UNDP, Malaysia	Asean Countries
1988	Training Centre process operators, instrument-, mechanical- and electrical-maintenance technicians	Sirte Oil Company (NPC), Marsa el-Brega	Libya
1988	Consultancy Services debottlenecking distillation facilities	Hoechst Celanese SA, Lanaken	Belgium
1987	Technical assistance chemical laboratory design	LEC International bv, Valkenswaard	The Netherlands
1987	Training of chemical lab. technicians, maintenance planning, instrument technicians, shipping of chemicals	Sirte Oil Company (NPC), Marsa el-Brega	Libya
1987	Training of operators	Hoechst Celanese SA, Lanaken	Belgium
1987	Consultancy and training needs	Solvay Chemie, Roermond	The Netherlands
1987	Training of mechanical maintenance engineers	National Petrochemical Public Company Ltd. (PDIL), Bangkok	Thailand
1987	Training program rail transport	DOW Benelux nv, Terneuzen	The Netherlands
1986	Training of middle management	KNP België NV, Lanaken	Belgium
1986	Training Centre for operators, shift supervisors and instrument technicians	Bangladesh Chemical Industries Corp., Dhaka	Bangladesh
1986	TISFLO Software Package for Steam Cracking Plants	CdF Chimie Ethylène et Plastique SA, Verneuil en Halatte	France
1985	Consultancy training programmes	KNP België NV, Lanaken	Belgium
1985	Consultancy on safety auditing	NV Nederlandse Spoorwegen, Utrecht	The Netherlands
1985	Middle management training	KNP België NV, Lanaken	Belgium
1985	Training of chemical laboratory technicians	National Plastic Company Ibn-Hayyan Al-Jubail	Saudi Arabia
1985	Middle management training	KNP België NV, Lanaken	Belgium
1985	Training of paper mill operators	KNP België NV, Lanaken	Belgium
1984	Technical and legal consultancy on Sorbitol Project	PT Sorini, Jakarta	Indonesia
1984	Training of melamine process and maintenance engineers	Saudi Arabian Fertilizer Company (SAFCO), Al-Jubail	Saudi Arabia
1984	Training Centre for process instruments and mechanical technicians	Fauji Fertilizer Company Ltd., Goth Machhi	Pakistan
1984	Training of shiftsupervisors, operators and maintenance technicians (instrument, mechanical, electrical)	National Plastic Company Ibn-Hayyan, Al-Jubail	Saudi Arabia
1983	Design and construction supervision of ammonia tank bund walls	Petrochemical Industries Company (KSC), Shuaiba	Kuwait
1983	Technical consultancy, training, operation and maintenance of a gas processing plant, export terminal and gas distribution system (in cooperation with Gasunie Engineering)	Petroleum Nasional Berhad (Petronas), Kerteh	Malaysia
1982	Instructors course	MEGA Limburg (Power Plant), Roermond	The Netherlands

date of order	project	client	country
1982	Management training	Ornatex (Dupont subsidiary), Roermond	The Netherlands
1982	Management training	Nedcar BV, Born	The Netherlands
1981	Selection of maintenance personnel	Sirte Oil Company (NPC), Benghazi	Libya
1981	Organization and methodology of training	Bangladesh Chemical Industries Corp./UNIDO, Dhaka	Bangladesh
1981	Safety audit for acetic acid, esters, formaldehyde and adhesives	AKZO, Rotterdam	The Netherlands
1981	Safety audit for caprolactam and compound fertilizers	Monomeros Colombo Venezolanos S.A., Barranquilla	Colombia
1981	Management training	NOVEM, Government Energy Commission, Sittard	The Netherlands
1980	Maintenance training methanol	Sirte Oil Company (NPC), Benghazi	Libya
1980	Personnel selection	Sirte Oil Company (NPC), Marsa el-Brega	Libya
1980	Project co-ordination, design, engineering construction, supervision, personnel and management training, commissioning of fertilizer complex at Mombasa	National Agricultural Chemicals and Fertilizer Ltd. (NACAF), Mombassa	Kenya
1979	Practical training of maintenance technicians	National methanol Company, Benghazi	Libya
1978	Operational advisor for Multan Fertilizer Complex	Pakarab Fertilizers Ltd., Lahore	Pakistan
1977	Training center for process operators and instrument technicians	Société El Nasr d'Engrais et d'industries Chimiques S.A.E., Cairo	Egypt
1974	Technical advisor for Multan Fertilizer Complex	Pakarab Fertilizers Ltd., Lahore	Pakistan
1973	Training of production and maintenance management/personnel, ethylene (naphtha cracking)	VEB PCK Otto Grotewohl, Böhlen	Germany
1972	Basic design of jetty and loading, liquid ammonia	Tanzania Fertilizer Co., Tanga	Tanzania
1966	Evaluation of present, and planning of future national chemical industry	National Development Planning Body 'Bappenas'	Indonesia
1963	Ethylene from naphtha	SASOL Fertilisers (Pty) Ltd., Secunda	South Africa
1961	Coke oven gas production and purification	Fertilizer Corp. of India, (Sindri unit), New Delhi	India
1960	NPK fertilizer plant	Shaw Wallace & Co., and Rallis India	India
1959	Nitric acid and nitrolimestone from ammonia	Rourkela Fertilizer Project	India
1959	Nitrogenous fertilizer from gasoline synthesis recycle gas	SASOL Fertilisers (Pty) Ltd., Secunda	South Africa
1959	Ethylene extraction from gasoline synthesis recycle gas	SASOL Fertilisers (Pty) Ltd., Secunda	South Africa
1959	Urea from natural gas	Government of Saudi Arabia	Saudi Arabia
1954	Nitrolimestone from peat	Ceimici Teoranta	Ireland
1954	Nitrolimestone from water electrolysis and air separation	Government of Egypt, Cairo	Egypt
1972/73	Management assistance for caprolactam and fertilizer complex	Monomeros Colombo - Venezolanos S.A., Barranquilla	Colombia