



LAUNCHTM TECHNOLOGIES

GRASS ROOT UREA MELT PLANTS
GRASS ROOT UREA GRANULATION PLANTS

The innovation & license company
of Maire Tecnimont.

1. Grass Root Urea Melt Plants

YEAR OF ORDER	TOTAL CAPACITY (mt/d)	CLIENTS	LOCATION	COUNTRY	TECHNOLOGY	CONTRACTOR
2020	2334	Henan Xinlianxin Chemicals Group Co., Ltd.	Jiangxi, Jiujiang	China	LAUNCH MELT™ Ultra Low Energy Design	
2020	4000	Confidential Client			LAUNCH MELT™ Pool Condenser Design	
2020	1640	Gemlik Gubre Sanayl A.S.	Gemlik Gubre	Turkey	LAUNCH MELT™ Ultra Low Energy Design	Tecnimont, Italy
2019	5000	Confidential Client (design phase complete)			LAUNCH MELT™ Pool Condenser Design	
2019	3850	Talcher Fertilizers Limited	Talcher	India	LAUNCH MELT™ Pool Condenser Design	Wuhuan Engineering, China
2019	1050	NCIC (El Nasr Company for Intermediate Chemicals)	Ain El Sokhna	Egypt	LAUNCH MELT™ Pool Reactor Design	ThyssenKrupp Industrial Solutions, Germany
2019	2000	ShchekinoAzot	Pervomayskiy, Tula Region	Russia	LAUNCH MELT™ Pool Reactor Design	China National Chemical Engineering Co., Ltd. (CNCCC), China
2018	2334	Hubei Sanning Chemical Industrial Co.	Hubei, Sanning	China	LAUNCH MELT™ Ultra Low Energy Design	Wuhuan Engineering, China
2018	3900	Brunei Fertilizer Industries (BFI)	Sungai Liang Industrial Park (Spark)	Brunei	LAUNCH MELT™ Pool Condenser Design	ThyssenKrupp Industrial Solutions, Germany
2017	1500	Kuibyshev Azot	Togliatti	Russia	LAUNCH MELT™ Pool Reactor Design	Tecnimont, Italy
2017	200	Confidential Client			LAUNCH MELT™ Compact Design	
2017	2334	Jiujiang Xinlianxin Chemical Fertilizer Co.	Jiangxi, Jiujiang	China	LAUNCH MELT™ Ultra Low Energy Design	Hualu Engineering & Technology, China
2015	3250	Confidential Client			LAUNCH MELT™ Pool Condenser Design	
2014	2000	Confidential Client			LAUNCH MELT™ Pool Condenser Design	
2014	1500	Phosagro Cherepovets Azot	Cherepovets	Russia	LAUNCH MELT™ Pool Reactor Design	Chemoprojekt, Czech Republic
2014	1000	Dakota Gasification Company	North Dakota, Beulah	USA	LAUNCH MELT™ Pool Reactor Design	IHI, USA
2014	1800	Agrium	Texas, Borger	USA	LAUNCH MELT™ Pool Reactor Design	KBR, USA
2013	2000	The State Oil Company of Azerbaijan Republic (SOCAR)	Sumgayit	Azerbaijan	LAUNCH MELT™ Pool Reactor Design	Samsung Engineering, South Korea
2013	2860	Inner Mongolia Huajin Chemical Co.	Shuangtaizi District, Panjin City	China	LAUNCH MELT™ Pool Condenser Design	Wuhuan Engineering, China
2013	2200	Confidential Client			LAUNCH MELT™ Pool Reactor Design	
2013	2200	OCI – Iowa Fertilizer Company (IFCo)	Iowa, Wever	USA	LAUNCH MELT™ Pool Reactor Design	ThyssenKrupp Uhde, Germany
2013	2700	Inner Linggu Chemical Industry Co.	Jiangsu, Yixing	China	LAUNCH MELT™ Pool Condenser Design	China Chengda Engineering, China

1. Grass Root Urea Melt Plants

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2012	2860	Erdos Chemical Industry Group company	Inner Mongolia, Qi Pan Jing Ordos City	China	LAUNCH MELT™ Pool Condenser Design	China Chengda Engineering, China
2012	3500	CF Industries	Iowa, Port Neal	USA	LAUNCH MELT™ Pool Condenser Design	ThyssenKrupp Uhde, Germany
2012	3500	CF Industries	Louisiana, Donaldsonville	USA	LAUNCH MELT™ Pool Condenser Design	ThyssenKrupp Uhde, Germany
2012	1760	Bangladesh Government (BCIC)	Fenchuganj, Sylhet	Bangladesh	LAUNCH MELT™ Pool Reactor Design	China Chengda Engineering, China
2011	3250	Pardis Petrochemical Company	Bandar Assaluyeh	Iran	LAUNCH MELT™ Pool Condenser Design	Iranian
2011	1575	Egyptian Chemical & Fertilizer Industries – KIMA	Aswan	Egypt	LAUNCH MELT™ Pool Reactor Design	Tecnimont, Italy
2011	1860	Hengang Huahe Coal Chemical Industry Co.	Heilongjiang, Hegang City	China	LAUNCH MELT™ Pool Reactor Design	Wuhuan Engineering, China
2010	2860	Inner Mongolia Bodashidi Chemical Co.	Inner Mongila, Industrial Zone Nalin river, Wushen	China	LAUNCH MELT™ Pool Condenser Design	Wuhuan Engineering, China (by Client)
2010	2700	Tierra Del Fuego Energia Y Quimica	Rio Grande	Argentina	LAUNCH MELT™ Compact Design	China Chengda Engineering, China
2010	3600	Petrobras	Tres Lagoas	Brazil	LAUNCH MELT™ Pool Condenser Design	KBR, USA
2010	1925	Turkmenhimiya State Concern	Mary City	Turkmenistan	LAUNCH MELT™ Pool Condenser Design	Kawasaki Plant Systems, Japan
2009	3500	Ruwais Fertilizer Industries	Abu Dhabi	United Arab Emirates	LAUNCH MELT™ Pool Condenser Design	Uhde, Germany
2009	1760	Shaanxi Shanhua Chemicals Fertilizer Co.	Shaanxi, Huaxian	China	LAUNCH MELT™ Pool Reactor Design	Hualu Engineering & Technology, China
2008	2200	Petroquímica de Venezuela (Pequiven)	Puerto Nutrias	Venezuela	LAUNCH MELT™ Pool Reactor Design	-
2008	4400 (2 units)	Petroquímica de Venezuela (Pequiven)	Jose	Venezuela	LAUNCH MELT™ Pool Reactor Design	-
2008	2860	Hulunbeier New Gold Chemical Co.	Inner Mongolia, Hulunbeier	China	LAUNCH MELT™ Pool Condenser Design	Wuhuan Engineering, China (by Client)
2008	3500	Yara	Sluiskil	Netherlands	LAUNCH MELT™ Pool Condenser Design	Uhde, Germany
2008	1500	Cherepovetsky Azot	Cherepovets	Russia	LAUNCH MELT™ Pool Reactor Design	Chemoprojekt, Czech Republic
2008	3250	Lordegan Urea fertilizer Co.	Lordegan	Iran	LAUNCH MELT™ Pool Condenser Design	Iranian (by NPC)
2008	3250	Golestan Petrochemical Company	Golestan	Iran	LAUNCH MELT™ Pool Condenser Design	Iranian (by NPC)
2008	3250	Zanjan Industries Petrochemical Company	Zanjan	Iran	LAUNCH MELT™ Pool Condenser Design	Iranian (by NPC)
2007	3450	Sorfert	Arzew	Algeria	LAUNCH MELT™ Pool Condenser Design	Uhde, Germany

1. Grass Root Urea Melt Plants

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2007	4000 (2 units)	Egyptian Nitrogen Products Company (ENPC)	Damietta	Egypt	CO ₂ Stripping	Uhde, Germany
2007	2700	Jianfeng Chemicals	Chongqing, Fuling	China	LAUNCH MELT™ Pool Condenser Design	Chengda Engineering, China
2006	1500	Fatima	Fatima, Sadiqabad	Pakistan	LAUNCH MELT™ Pool Reactor Design	Kawasaki Plant Systems, Japan
2006	1925	Misr Oil Processing Company (MOPCO)	Suez	Egypt	CO ₂ Stripping	Uhde, Germany
2004	1925	Egypt Helwan Fertilizers	Helwan	Egypt	CO ₂ Stripping	Uhde, Germany
2004	3250	PIDMCO 2	Bandar Assaluyeh	Iran	LAUNCH MELT™ Pool Condenser Design	Chiyoda, Japan
2003	1925	Egyptian Fertilizer Company (EFC)	Ain Sukhna	Egypt	CO ₂ Stripping	Uhde, Germany
2003	1925	Alexandria Fertilizer Company (AlexFert)	Abu Qir	Egypt	CO ₂ Stripping	Uhde, Germany
2003	3250	Saudi Arabian Fertilizer Company (SAFCO)	Al Jubail	Saudi Arabia	LAUNCH MELT™ Pool Condenser Design	Uhde, Germany
2002	1050	Turkmenistan Fertilizers & Chemicals	Tejen	Turkmenistan	LAUNCH MELT™ Pool Reactor Design	Krupp Uhde, Germany
2002	2000	Kermanshah Petrochemical Company	Kermanshah	Iran	LAUNCH MELT™ Pool Condenser Design	MW Kellogg, UK
2001	2700	CNCCC, CNOOC, Zhonghai Petrochemical	Hainan, Dongfang	China	LAUNCH MELT™ Pool Condenser Design	Kellogg Brown & Root, USA
2001	3250	PIDMCO 1	Bandar Assaluyeh	Iran	LAUNCH MELT™ Pool Condenser Design	Chiyoda, Japan
2001	3200	Qatar Fertiliser Company (QAFCO)	Umm Said	Qatar	LAUNCH MELT™ Pool Condenser Design	Krupp Uhde, Germany
1998	1750	Egyptian Fertilizer Corporation (EFC)	Ain Sukhna	Egypt	CO ₂ Stripping	Krupp Uhde, Germany
1997	1800	Saudi Arabian Fertilizer Company (SAFCO)	Al-Jubail	Saudi Arabia	CO ₂ Stripping	Tecnimont, Italy
1997	1200	SPIC Fertilizers & Chemicals Company	Dubai	United Arab Emirates	CO ₂ Stripping	M.W. Kellogg, UK
1997	1050	CNCCC, Zepu Petroleum Chemical Plant, Xinjiang Petroleum Adm. Bureau	Xinjiang, Zepu	China	LAUNCH MELT™ Pool Condenser Design	Krebs, France
1996	1150	DSM	Geleen	Netherlands	LAUNCH MELT™ Pool Reactor Design	Uhde/Raytheon, Germany
1996	1750	Abu Qir	Alexandria	Egypt	CO ₂ Stripping	Uhde, Germany
1996	1725	P.T. Pupuk Kalimantan	Bontang	Indonesia	CO ₂ Stripping	Chiyoda, Japan/ Rekayasa, Indonesia
1995	1670	Fauji Fertilizer Company	Port Qasim	Pakistan	CO ₂ Stripping	Chemoprojekt, Czech Republic
1995	870	Heilongjiang Chemical Industry Corp.	Heilongjiang, Qiqihar	China	CO ₂ Stripping	China Wuhuan Chemical Eng., China
1995	2000	CF Industries	Louisiana, Donaldsonville	USA	CO ₂ Stripping	Uhde, Germany

1. Grass Root Urea Melt Plants

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1994	1740	Sinopec Urumqi	Xinjiang, Urumqi	China	CO ₂ Stripping	Lanzhou Design Institute, China
1994	2000	Qatar Fertiliser Company	Umm Said	Qatar	CO ₂ Stripping	Uhde, Germany
1991	810	CF Industries	Louisiana, Donaldsonville	USA	CO ₂ Stripping	The MW Kellogg, USA
1991	1500	Khorasan Petrochemical Company (KPC)	Bojnurd	Iran	CO ₂ Stripping	M.W. Kellogg, UK
1990	1725	Karnaphuli Fertilizer Co. (KAFCO)	Chittagong	Bangladesh	LAUNCH MELT™ Pool Condenser Design	Chiyoda, Japan
1990	2000	Saskferco Products Inc.	Saskatchewan, Belle Plaine	Canada	CO ₂ Stripping	Uhde, Germany
1990	1800	Saudi Arabian Fertilizer Company (SAFCO)	Al-Jubail	Saudi Arabia	CO ₂ Stripping	Chiyoda, Japan
1989	1750	State Org. of Industrial Design and Construction Salhuddin	Baiji	Iraq	CO ₂ Stripping	M.W. Kellogg, UK
1985	1750	State Org. of Industrial Design and Construction Salhuddin	Baiji	Iraq	CO ₂ Stripping	M.W. Kellogg, UK
1985	1725	P.T. Pupuk Kalimantan Timur	Bontang	Indonesia	CO ₂ Stripping	Chiyoda, Japan
1984	1740	CNTIC	Xinjiang, Urumqi	China	CO ₂ Stripping	CNCCC, China
1984	1740	CNTIC	Ningxia Autonomous Region, Yinchuan	China	CO ₂ Stripping	CNCCC, China
1983	1000	Techmashimport	Kemerovo	Russia	CO ₂ Stripping	Chemoprojekt, Czech Republic
1983	1000	Techmashimport	Gorlovka	Ukraine	CO ₂ Stripping	Chemoprojekt, Czech Republic
1982	1725	P.T. Pupuk Kalimantan Timur	Bontang	Indonesia	CO ₂ Stripping	The MW Kellogg, USA
1982	1500	Asean Bintulu Fertilizer	Bintulu	Malaysia	CO ₂ Stripping	Uhde, Germany
1982	90	Saudi Arabian Fertilizer Company (SAFCO)	Damman	Saudi Arabia	CO ₂ Stripping	Chiyoda, Japan
1981	260	Petrochemical Industries Corp.	Sale	Myanmar	CO ₂ Stripping	Coppée-Rust, Belgium
1981	1750	Sirte Oil Company (Napetco, NPC)	Marsa el-Brega	Libya	CO ₂ Stripping	Uhde, Germany
1981	600	Petrochemical Industries Corp.	Kyaw Zwa	Myanmar	CO ₂ Stripping	Uhde, Germany
1981	1100	Hemijska Industrija Pancevo	Pancevo	Serbia	CO ₂ Stripping	Chemoprojekt, Czech Republic
1981	1500	National Fertilizers Company of Nigeria (NAFCO)	Okrika (Port Harcourt)	Nigeria	CO ₂ Stripping	The MW Kellogg, USA
1981	1000	Techmashimport	Odessa	Ukraine	CO ₂ Stripping	Chemoprojekt, Czech Republic
1981	1000	Techmashimport	Odessa	Ukraine	CO ₂ Stripping	Chemoprojekt, Czech Republic

1. Grass Root Urea Melt Plants

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1981	1000	Techmashimport	Grodno	Belarus	CO ₂ Stripping	Chemoprojekt, Czech Republic
1980	907	Farmland Industries	Oklahoma, Enid	USA	CO ₂ Stripping	Foster Wheeler, USA
1980	1600	Al-Jubail Fertilizers	Al-Jubail	Saudi Arabia	CO ₂ Stripping	Pullman Kellogg, USA
1980	907	Sherritt Gordon Mines	Alberta, Fort Saskatchewan,	Canada	CO ₂ Stripping	Foster Wheeler, USA
1980	1500	Ruwais Fertilizer Industries	Abu Dhabi	United Arab Emirates	CO ₂ Stripping	Chiyoda, Japan
1980	60	Sichuan Chemical Works	Sichuan, Chengdu	China	CO ₂ Stripping	Coppée-Rust, Belgium
1980	1000	Techmashimport	Fergana	Uzbekistan	CO ₂ Stripping	Chemoprojekt, Czech Republic
1980	1000	Techmashimport	Severodonetsk	Ukraine	CO ₂ Stripping	Chemoprojekt, Czech Republic
1979	900	CdF Chimie-APC	Toulouse	France	CO ₂ Stripping	Heurtey, France
1978	1500	Ina Petrokemija	Kutina	Croatia	CO ₂ Stripping	Kellogg Continental, The Netherlands
1978	1300	Romchim	Slobozia	Romania	CO ₂ Stripping	Coppée-Rust, Belgium
1978	1300	Romchim	Arad	Romania	CO ₂ Stripping	Coppée-Rust, Belgium
1978	1740	CNTIC	Zhejiang, Zhenhai	China	CO ₂ Stripping	Kellogg Continental, The Netherlands/ CNCCC China
1977	1000	Techmashimport	Angarsk	Russia	CO ₂ Stripping	Chemoprojekt, Czech Republic
1977	1000	Techmashimport	Salavat	Russia	CO ₂ Stripping	Chemoprojekt, Czech Republic
1977	1000	Techmashimport	Nevinnomyssk	Russia	CO ₂ Stripping	Chemoprojekt, Czech Republic
1977	580	Agrico Chemical Corporation	Oklahoma, Tulsa	USA	CO ₂ Stripping	Pullman Kellogg, USA
1976	1000	Techmashimport	Grodno	Belarus	CO ₂ Stripping	Chemoprojekt, Czech Republic
1976	1000	Techmashimport	Dneprodzerzhinsk	Ukraine	CO ₂ Stripping	Chemoprojekt, Czech Republic
1976	1000	Techmashimport	Cherkassy	Ukraine	CO ₂ Stripping	Chemoprojekt, Czech Republic
1976	1600	Ashunganj Fertilizer and Chemical Company	Ashunganj	Bangladesh	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1976	1500	Petrobras	Araucaria	Brazil	CO ₂ Stripping	Uhde, Germany
1976	940	State Fertilizer Manufacturing Corporation	Sapugaskanda	Sri Lanka	CO ₂ Stripping	Kellogg Continental, The Netherlands
1976	1200	Polimex Cekop	Police	Poland	CO ₂ Stripping	Heurtey, France
1976	1000	National Oil Corporation	Marsa EL-Brega	Libya	CO ₂ Stripping	Foster Wheeler, Italy
1975	600	Taiwan Fertilizer Co.	Miaoli	China	CO ₂ Stripping	Kellogg Continental, The Netherlands

1. Grass Root Urea Melt Plants

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1975	1000	Guanomex	Salamanca	Mexico	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1975	1350	CF Industries Inc.	Louisiana, Donaldsonville	USA	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1975	1000	NET	Arklow	Ireland	CO ₂ Stripping	Kellogg Continental, The Netherlands
1975	1725 (2 units)	Société El Nasr d'Engrais et d'Industrières	Talkha	Egypt	CO ₂ Stripping	Foster Wheeler, Italy
1975	1000	Qatar Fertiliser Company	Umm Said	Qatar	CO ₂ Stripping	Chiyoda, Japan
1975	1080	Columbia Nitrogen Corp.	Georgia, Augusta	USA	CO ₂ Stripping	Braun, USA
1975	1300	Romchim	Bacau	Romania	CO ₂ Stripping	Coppée-Rust, Belgium
1975	1050	Unichem	Homs	Syria	CO ₂ Stripping	Heurtey, France
1974	1740	CNTIC	Jiangsu, Jinling	China	CO ₂ Stripping	Heurtey, France
1974	1740	CNTIC	Guandong, Guangzhou	China	CO ₂ Stripping	Heurtey, France
1974	1740	CNTIC	Anhui, Anqing	China	CO ₂ Stripping	Heurtey, France
1974	225	Nipak	Oklahoma, Pryor	USA	CO ₂ Stripping	Braun, USA
1974	1350	Cominco	Alberta, Calgary	Canada	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1974	750	African Explosives & Chemical Industries	Modderfontein	South Africa	CO ₂ Stripping	Kellogg Continental, The Netherlands
1974	1080	Collier Carbon and Chemical Company	Alaska, Kenai	USA	CO ₂ Stripping	Braun, USA
1974	1500	Shahpur Chemicals (Razi)	Bandar Shahpur (Razi)	Iran	CO ₂ Stripping	Kellogg Continental, The Netherlands
1974	1500	Iran Fertilizer Company	Shiraz	Iran	CO ₂ Stripping	Heurtey, France
1974	330	Société Carbochimique	Terte	Belgium	CO ₂ Stripping	Société Carbochimique, Belgium
1973	1200 (2 units)	Korean Equipment Import Corporation	Sulbi	P.R. of Korea	CO ₂ Stripping	Uhde, Germany
1973	1620	CNTIC	Sichuan, Luzhou	China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1973	1620	CNTIC	Liaoning, Panjin	China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1973	1620	CNTIC	Heilongjiang, Daqing	China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1973	300	Amoniac Espanol	Malaga	Spain	CO ₂ Stripping	McKee-CTIP, Spain
1973	600	Mitsubishi Gas Chemical Company	Matsuyama	Japan	CO ₂ Stripping	Chiyoda, Japan
1973	907	Agrico Chemical Company	Arizona, Blytheville	USA	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1973	580	Agrico Chemical Company	Oklahoma, Verdigris River	USA	CO ₂ Stripping	Kellogg Continental, The Netherlands

1. Grass Root Urea Melt Plants

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1973	1550	Istanbul Gubre Sanayii (IGSAS)	Izmit, Kocaeli	Turkey	CO ₂ Stripping	Uhde, Germany
1973	1620	CNTIC	Hebei, Canzhou	China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1973	1620	CNTIC	Yunnan, Shuifu	China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1973	1620	CNTIC	Guizhou, Chishui	China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1973	1620	CNTIC	Hebei, Zhijiang	China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1973	1620	CNTIC	Hunan, Yueyang	China	CO ₂ Stripping	Kellogg Continental, The Netherlands
1973	1700	Pertamina	Kalimantan, Santan	Indonesia	Conventional Urea Process	Coppée-Rust, Belgium
1973	1350	Canadian Fertilizers Limited	Alberta, Medicine Hat	Canada	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1972	90	Melamina Ultra	Camaçari	Brazil	Conventional Urea Process	Foster Wheeler, UK
1972	280	Refineria de Pétroleos de Escombreras	Cartagena	Spain	CO ₂ Stripping	Tecnicas Reunidas, Spain
1972	1030	Mangalore Chemicals & Fertilizers	Mangalore	India	CO ₂ Stripping	Humphreys & Glasgow, UK
1972	907	CF Industries Inc.	Louisiana, Donaldsonville	USA	CO ₂ Stripping	Foster Wheeler/Uhde, USA
1971	1200	Indian Farmers Fertilizers Co. (IFFCO)	Gujarat, Kalol	India	CO ₂ Stripping	Humphreys & Glasgow, UK
1970	700	Chungju Fertilizer Corp.	Chungju	Republic of Korea	CO ₂ Stripping	Continental Engineering, The Netherlands
1970	600	Chemokomplex	Petfürdo	Hungary	CO ₂ Stripping	Evence Coppée-Rust, Belgium
1970	1050	VEB Düngemittelkombinat	Piesteritz	Germany	CO ₂ Stripping	Chemoprojekt, Czech Republic
1970	2100 (2 units)	VEB Düngemittelkombinat	Piesteritz	Germany	CO ₂ Stripping	Chemoprojekt, Czech Republic
1970	900 (2 units)	Industrial Import	Tirgu Mures	Romania	CO ₂ Stripping	Evence Coppée-Rust, Belgium
1969	600	Chemopetrol	Most	Czech Republic	CO ₂ Stripping	Continental Engineering, The Netherlands
1969	600	Duslo a.s.	Sala	Slovakia	CO ₂ Stripping	Uhde, Germany
1969	900 (2 units)	Masinimport	Slobozia	Romania	CO ₂ Stripping	Evence Coppée-Rust, Belgium
1969	900 (2 units)	Masinimport	Slobozia	Romania	Conventional Urea Process	Evence Coppée-Rust, Belgium
1968	1085 (2 units)	Triad Corporation	Louisiana, Donaldsonville	USA	CO ₂ Stripping	Uhde, USA
1968	1000	DSM	Geleen	Netherlands	CO ₂ Stripping	DSM, The Netherlands

1. Grass Root Urea Melt Plants

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1968	100	Chemicals & Phosphates	Haifa	Israel	CO ₂ Stripping	Chemicals & Phosphates, Israel
1968	86	Premier Petrochemical Company	California, Pasadena	USA	CO ₂ Stripping	McKee, USA
1968	1400	Kashima Ammonia Company	Tokyo	Japan	CO ₂ Stripping	Chiyoda, Japan
1968	1400 (2 units)	The Kuwait Chemical Fertilizer Corp.	Shuaiba	Kuwait	CO ₂ Stripping	Chiyoda, Japan
1968	800	Mitsubishi Chemical Industries	Kuroaki	Japan	CO ₂ Stripping	Chiyoda, Japan
1967	120	Société des Usines Chimique Ugine Kuhlmann	Paimboeuf	France	CO ₂ Stripping	Continental Engineering, The Netherlands
1967	550	Cuba Industrial	Cienfuegos	Cuba	Conventional Urea Process	Simon Carves, UK
1967	125	Honam Fertilizer Co.	Naju	Republic of Korea	Conventional Urea Process	Uhde, Germany
1967	800	Société Normande de l'Azote	Le Havre	France	CO ₂ Stripping	Heurtey, France
1967	207	Industrial Development Corporation Government of the Union of Burma	Chauk	Myanmar	CO ₂ Stripping	Uhde, Germany
1966	500	Sincat (subsidiary of Società Edison)	Priolo	Italy	Conventional Urea Process	Foster Wheeler, Italy
1966	350	Azolacq	Rouen	France	CO ₂ Stripping	Heurtey, France
1966	900 (2 units)	Masinimport	Turnu Magurele	Romania	Conventional Urea Process	Evence Coppée-Rust, Belgium
1966	900 (2 units)	Masinimport	Craiova	Romania	Conventional Urea Process	Evence Coppée-Rust, Belgium
1966	500 (2 units)	Union Rheinische Braunkohlen Kraftstoff	Wesseling	Germany	CO ₂ Stripping	Uhde, Germany
1966	700	Delhi Cloth Mills - Shriram Fertilisers & Chemicals	Kota	India	Conventional Urea Process	Chiyoda, Japan
1966	300	Kemira Oy	Oulu	Finland	CO ₂ Stripping	Uhde, Germany
1965	135	Collier Carbon & Chemical Corporation	California, Los Angeles	USA	Conventional Urea Process	Braun, USA
1965	135	Mobil Chemical Company	Texas, Beaumont	USA	Conventional Urea Process	Braun, USA
1965	400	Mekog	Pernis	Netherlands	Conventional Urea Process	Continental Engineering, The Netherlands
1965	150 ¹	ANIC	Gela	Italy	Conventional Urea Process	ANIC Italy
1965	170 ¹	Sherrit Gordon Mines	Alberta, Fort Saskatchewan	Canada	Conventional Urea Process	Sherrit Gordon Mines, Canada

1. Grass Root Urea Melt Plants

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1965	300	Tvornica Ducicnih Gnojiva	Kutina	Croatia	Conventional Urea Process	Foster Wheeler, France
1965	250	Korean Industrial Equipment Import Corporation	Hung Nam	P.R. of Korea	Conventional Urea Process	Continental Engineering, The Netherlands
1965	317	Terra Chemicals International	Iowa, Sioux City	USA	Conventional Urea Process	Braun, USA
1965	220	DSM	Geleen	Netherlands	CO ₂ Stripping	DSM, The Netherlands
1965	520	African Explosives & Chemical Industries	Umbogintwini	South Africa	Conventional Urea Process	Continental Engineering, The Netherlands
1965	333	Salzgitter Chemie	Salzgitter	Germany	CO ₂ Stripping	Uhde, Germany
1965	540	Saarbergwerke	Besch-Perl/Mosel	Germany	Conventional Urea Process	Continental Engineering, The Netherlands
1965	300	Société Carbochimique	Tertre	Belgium	CO ₂ Stripping	Société Carbochimique, Belgium
1964	250	Korean Industrial Equipment Import Corporation	Hung Nam	P.R. of Korea	Conventional Urea Process	Continental Engineering, The Netherlands
1964	77	Columbia Nitrogen Corp.	Georgia, Augusta	USA	Conventional Urea Process	McKee, USA
1964	1800 (6 units)	Technoimport	Vratza	Bulgaria	Conventional Urea Process	Evence Coppée-Rust, Belgium
1964	600 (2 units)	Masinimport	Turnu Magurele	Romania	Conventional Urea Process	Uhde, Germany
1964	550	The Kuwait Chemical Fertilizer Corporation	Shuaiba	Kuwait	Conventional Urea Process	Foster Wheeler, UK
1964	410	Olin Mathieson Chem. Corp.	Louisiana, Lake Charles	USA	Conventional Urea Process	McKee, USA
1964	300	Chemokomplex	Petfürdo	Hungary	Conventional Urea Process	Evence Coppée-Rust, Belgium
1963	300	Chemokomplex	Barcika	Hungary	Conventional Urea Process	Evence Coppée-Rust, Belgium
1963	300	Masinimport	Craiova	Romania	Conventional Urea Process	Uhde, Germany
1963	85	Chemical Fertilizer Co.	Bangkok	Thailand	Conventional Urea Process	Uhde, Germany
1963	226	Nipak	Oklahoma, Pryor	USA	Conventional Urea Process	Braun, USA
1963	210	Esso Standard Chem. & Fert. Corp.	Bataan	Philippines	Conventional Urea Process	Braun, USA
1963	500 (2 units)	CNTIC	Sichuan, Luzhou	China	Conventional Urea Process	Continental Engineering, The Netherlands
1962	500 (2 units)	Lischemkombinat	Severodonetsk	Ukraine	Conventional Urea Process	Continental Engineering, The Netherlands
1962	100	ICI/ANZ	Sydney	Australia	Conventional Urea Process	Humphreys & Glasgow, UK
1962	116 ¹	Union Rheinische Braunkohlen Kraftstoff	Wesseling	Germany	Conventional Urea Process	URBK, Germany

1. Grass Root Urea Melt Plants

YEAR OF ORDER	TOTAL CAPACITY (mt/d)	CLIENTS	LOCATION	COUNTRY	TECHNOLOGY	CONTRACTOR
1962	721	Federation Chemicals	Trinidad	Trinidad	Conventional Urea Process	Federation Chemicals, Trinidad
1961	125	Ammoniaque Synthétique & Dérivés	Willebroek	Belgium	Conventional Urea Process	ASED, Belgium
1961	100	Sherritt Gordon Mines	Alberta, Fort Saskatchewan	Canada	Conventional Urea Process	Braun, USA
1961	75	Etablissements Kuhlmann	Paimboeuf	France	Conventional Urea Process	Continental Engineering, The Netherlands
1960	500 (2 units)	Elektro-Chemkombinat Chirchik	Tashkent	Uzbekistan	Conventional Urea Process	Continental Engineering, The Netherlands
1960	500 (2 units)	Chekino-Chemkombinat	Tula	Russia	Conventional Urea Process	Continental Engineering, The Netherlands
1960	500 (2 units)	Elektro-Chemkombinat	Salavat	Russia	Conventional Urea Process	Continental Engineering, The Netherlands
1960	300 (2 units)	ANIC	Gela	Italy	Conventional Urea Process	Snamprogetti, Italy
1960	200	Solar Nitrogen	Missouri, Joplin	USA	Conventional Urea Process	McKee, USA
1959	70	DSM	Geleen	Netherlands	Conventional Urea Process	DSM, The Netherlands
1959	100 ¹	Société Carbochimique	Tertre	Belgium	Conventional Urea Process	Société Carbochimique, Belgium
1959	210	Refineria de Petróleos de Escombreras	Cartagena	Spain	Conventional Urea Process	Braun, USA
1958	130 (2 units)	DSM	Geleen	Netherlands	Conventional Urea Process	DSM, The Netherlands
1958	63	Federation Chemicals	Trinidad	Trinidad	Conventional Urea Process	Braun, USA
1958	70 ¹	Société Carbochimique	Tertre	Belgium	Conventional Urea Process	Werkspoor, The Netherlands
1958	75	Union Rheinische Braunkohlen Kraftstoff	Union Rheinische Braunkohlen Kraftstoff, Wesseling	Germany	Conventional Urea Process	URBK, Germany
1958	150 (2 units)	ANIC	ANIC, Milan	Italy	Conventional Urea Process	Snamprogetti, Italy
1957	300 (3 units)	African Explosives & Chemical Industries	Modderfontein	South Africa	Conventional Urea Process	Werkspoor, The Netherlands
1957	70	Société Carbochimique	Tertre	Belgium	Conventional Urea Process	Werkspoor, The Netherlands
1954	150 (2 units)	DSM	Geleen	Netherlands	Conventional Urea Process	DSM, The Netherlands

¹ = Extension

2. Grass Root Urea Granulation Plants

YEAR OF ORDER	TOTAL CAPACITY (mt/d)	CLIENTS	LOCATION	COUNTRY	TECHNOLOGY	CONTRACTOR
2020	4000	Confidential client			LAUNCH FINISH™ Granulation Design	
2020	1640	Gemlik Gubre Sanayt A.S.	Gemlik Gubre	Turkey	LAUNCH FINISH™ Granulation Design	Tecnimont, Italy
2019	5000	Confidential Client (design phase complete)			LAUNCH FINISH™ Granulation Design	
2019	2000	ShchekinoAzot	Pervomayskiy, Tula Region	Russia	LAUNCH FINISH™ Granulation Design	China National Chemical Engineering Co., Ltd. (CNCCC), China
2018	2000	Acron	Novgorod	Russia	LAUNCH FINISH™ Granulation Design	Novgorod GIAP, Russia
2017	1500	KuibyshevAzot	Togliatti	Russia	LAUNCH FINISH™ Granulation Design	Tecnimont, Italy
2015	3250	Confidential client			LAUNCH FINISH™ Granulation Design	
2014	2000	Confidential client			LAUNCH FINISH™ Granulation Design	
2014	1500	Phosagro Cherepovets Azot	Cherepovets	Russia	LAUNCH FINISH™ Granulation Design	Chemoprojekt, Czech Republic
2014	1000	Dakota Gasification Company	North Dakota, Beulah	USA	LAUNCH FINISH™ Granulation Design	IHI, USA
2013	2000	The State Oil Company of Azerbaijan Republic (SOCAR)	Sumgayit	Azerbaijan	LAUNCH FINISH™ Granulation Design	Samsung Engineering, South Korea
2013	1425	Azomures	Targu Mures	Romania	LAUNCH FINISH™ Granulation Design	Chemoprojekt, Czech Republic
2013	2676	Confidential client			LAUNCH FINISH™ Granulation Design	
2012	1760	Bangladesh Government, BCIC	Fenchuganj, Sylhet	Bangladesh	LAUNCH FINISH™ Granulation Design	China Chengda Engineering, China
2011	3250	Pardis Petrochemical Company	Bandar Assaluyeh	Iran	LAUNCH FINISH™ Granulation Design	Iranian
2011	1575	Egyptian Chemical & Fertilizer Industries – KIMA	Aswan	Egypt	LAUNCH FINISH™ Granulation Design	Tecnimont, Italy
2010	2700	Tierra del Fuego Energia Y Quimica	Rio Grande	Argentina	LAUNCH FINISH™ Granulation Design	China Chengda Engineering, China
2008	2200	Petroquímica de Venezuela (Pequiven)	Puerto Nutrias	Venezuela	LAUNCH FINISH™ Granulation Design	-
2008	4400 (2 units)	Petroquímica de Venezuela (Pequiven)	Jose	Venezuela	LAUNCH FINISH™ Granulation Design	-
2008	3600	Lordegan Urea fertilizer Co.	Lordegan	Iran	LAUNCH FINISH™ Granulation Design	Iranian (by NPC)
2008	3600	Golestan Petrochemical Company	Golestan	Iran	LAUNCH FINISH™ Granulation Design	Iranian (by NPC)
2008	3600	Zanjan Industries Petrochemical Company	Zanjan	Iran	LAUNCH FINISH™ Granulation Design	Iranian (by NPC)

2. Grass Root Urea Granulation Plants

YEAR OF ORDER	TOTAL CAPACITY (mt/d)	CLIENTS	LOCATION	COUNTRY	TECHNOLOGY	CONTRACTOR
2008	1400	Eurochem Novomoskovsk Azot	Novomoskovsk	Russia	LAUNCH FINISH™ Granulation Design	Chemoprojekt, Czech Republic
2007	4000 (2 units)	Egyptian Agrium Nitrogen Products Company (EANPC)	Damietta	Egypt	LAUNCH FINISH™ Granulation Design	Uhde GmbH, Germany
2007	2000	Eurochem Novomoskovsk Azot	Novomoskovsk	Russia	LAUNCH FINISH™ Granulation Design	Chemoprojekt, Czech Republic
2006	1200	Grodno Azot	Grodno	Belarus	LAUNCH FINISH™ Granulation Design	Chemoprojekt, Czech Republic
2004	2000	Egypt Helwan Fertilizers	Helwan	Egypt	LAUNCH FINISH™ Granulation Design	Uhde, Germany
2003	2000	Egyptian Fertilizer Company (EFC)	Ain Sukhna	Egypt	LAUNCH FINISH™ Granulation Design	Uhde, Germany
2003	2000	Alexandria Fertilizer Company (AlexFert)	Abu Qir	Egypt	LAUNCH FINISH™ Granulation Design	Uhde, Germany
2003	1250 ⁽¹⁾	Agrium Nitrogen Operations	Alberta, Fort Saskatchewan	Canada	LAUNCH FINISH™ Granulation Design	Agrium, USA
1996	280	Grodno Azot	Grodno	Belarus	LAUNCH FINISH™ Granulation Design	Grodno, Belarus

(1) Granulation modification

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