



ANNA REFERENCES

NITRIC ACID
AMMONIUM NITRATE

1. Nitric Acid

1.1. DETAILED STUDIES

YEAR OF ORDER	STUDY	CLIENTS	LOCATION	COUNTRY	TECHNOLOGY
2020	Revamp study	Monómeros	Barranquilla	Colombia	Mono Pressure Design
2019	Cooler condenser replacement equipment design	OCI- Nitrogen	Geleen	The Netherlands	Dual Pressure Design
2019	Revamp study	Borsodchem MCHZ	Ostrava-Marianske Hory	Czech Republic	Mono Pressure Design
2018	Feasibility study	CVR	East Dubuque, IL	USA	Mono Pressure Design

1.2. PLANTS

YEAR OF ORDER	TOTAL CAPACITY (mt/d)	CLIENTS	LOCATION	COUNTRY	TECHNOLOGY	CONTRACTOR
1987	1400	DSM Agro Division	Geleen	The Netherlands	Dual Pressure Design	Didier Engineering, Germany
1984	670	UKF	IJmuiden	The Netherlands	Dual Pressure Design	Didier Engineering, Germany
1984	1100	Akdeniz Gubre Sanayi	Mersin	Turkey	Mono Pressure Design	Kellogg Continental, The Netherlands
1980	652	Fertilizantes Mexicanos	Pajaritos	Mexico	Mono Pressure Design	Krebs, France
1978	600	UKF Fertilizers	Ince	England	Mono Pressure Design	Sim. Chem., England
1977	570	Agrico Chemical Corporation	Oklahoma, Tulsa	USA	Mono Pressure Design	Pullman Kellogg, USA
1974	800	Sonatrach	Annaba	Algeria	Mono Pressure Design	Krebs, France
1973	570	Agrico Chemical Corporation	Oklahoma, Tulsa	USA	Mono Pressure Design	Kellogg Continental, The Netherlands
1970	700	Duslo	Sala	Czechoslovakia	Mono Pressure Design	Société Krebs & Cie, France
1968	225	Monomeros Colombo-Venezolanos	Barranquilla	Colombia	Mono Pressure Design	McKee, USA
1968	255	Scottish Agricultural Industries	Edinburgh	Scotland	Mono Pressure Design	Humphreys & Glasgow, England
1967	675	Cuba Industrial	Cienfuegos	Cuba	Mono Pressure Design	Simon Carves, England
1967	820	Societe Rhodanienne d'Engrais	Chasse	France	Mono Pressure Design	Kuhlmann, France
1966	725	Masinimport	Tirgu Mures	Rumania	Mono Pressure Design	Didier-Werke, Germany
1966	190	Haifa Chemicals	Ashdod	Israel	Mono Pressure Design	Staff
1966	275	Kwinana Nitrogen	Kwinana	Australia	Mono Pressure Design	Humphreys & Glasgow, England
1965	185	Associated Chemical Companies	Harrogate	England	Mono Pressure Design	Humphreys & Glasgow, England
1965	420	DSM	Geleen	The Netherlands	Mono Pressure Design	DSM

1. Nitric Acid

1.2. PLANTS

YEAR OF ORDER	TOTAL CAPACITY (mt/d)	CLIENTS	LOCATION	COUNTRY	TECHNOLOGY	CONTRACTOR
1964	530	Imperial Chemicals Industries	Severnside	England	Mono Pressure Design	Humphreys & Glasgow, England
1964	810	Société Egyptienne d'Engrais et d'Industrie Chimique	Suez	Egypt	Mono Pressure Design	Uhde, Germany
1964	2700	Pulway Azot	Pulawy	Poland	Mono Pressure Design	Didier-Werke, Germany
1963	530	Imperial Chemicals Industries	Severnside	England	Mono Pressure Design	Humphreys & Glasgow, England
1962	295	Al Nasr Co.	Helwan	Egypt	Mono Pressure Design	Continental Engineering, The Netherlands
1962	255	SASOL	Sasolburg	South Africa	Mono Pressure Design	Simon Carves, England
1962	125	Sefanitro	Bilbao	Spain	Mono Pressure Design	Uhde, Germany
1962	425	Columbia Nitrogen Corp.	Georgia, Augusta	USA	Mono Pressure Design	Braun, USA
1961	160	Imperial Chemical Industries	Severnside	England	Mono Pressure Design	ICI
1961	160	Imperial Chemical Industries	Heysham	England	Mono Pressure Design	ICI
1961	260	Ruhrchemie	Oberhausen	Germany	Mono Pressure Design	Uhde, Germany
1960	195	Kemira Oy	Oulu	Finland	Mono Pressure Design	Tippi Oy
1959	320	Farbwerke 'Hoechst' [extension]	Hoechst	Germany	Mono Pressure Design	Uhde, Germany
1959	810	Fertilizer Corporation of India	Rourkela	India	Mono Pressure Design	Fertilizer Corporation of India
1958	345	Hibernia	Wanne-Eickel	Germany	Mono Pressure Design	Uhde, Germany
1958	225	Ministry of Coordination	Athens	Greece	Mono Pressure Design	Uhde, Germany
1958	205	Nitratos de Portugal	Lisbon	Portugal	Mono Pressure Design	Werkspoor, The Netherlands
1958	200	KIMA (extension)	Assuan	Egypt	Mono Pressure Design	Uhde, Germany
1957	150	Société Egyptienne d'Engrais et d'Industrie, Chimique	Cairo	Egypt	Mono Pressure Design	Uhde, Germany
1957	320	Farbwerke 'Hoechst'	Hoechst	Germany	Mono Pressure Design	Uhde, Germany
1956	160	Imperial Chemical Industries	Ardeer	Scotland	Mono Pressure Design	ICI
1956	90	African Explosives & Chemical Industries	Modderfontein	South Africa	Mono Pressure Design	Werkspoor, The Netherlands
1956	610	KIMA	Assuan	Egypt	Mono Pressure Design	Uhde, Germany
1954-'62	790	DSM	Geleen	The Netherlands	Mono Pressure Design	DSM

2. Ammonium Nitrate

2.1. REVAMPS

YEAR OF ORDER	REVAMP	CLIENTS	LOCATION	COUNTRY	TECHNOLOGY
2013	AN neutralizer (32000 STPD UAN eqv.)	CF Verdigris (Agrico)	Verdigris (Tulsa)	USA	Once trough, stripping
1996	AN Neutralizer	Port Neal	Port Neal	USA	Conventional, recycle

2.2. DETAILED STUDIES

YEAR OF ORDER	STUDY	CLIENTS	LOCATION	COUNTRY
2020	AN Neutralizer study	Nutrien	Geismar	USA

2.3. PLANTS

YEAR OF ORDER	TOTAL CAPACITY (mt/d)	CLIENTS	LOCATION	COUNTRY	CONTRACTOR
1996	1306	OCI	Geleen	The Netherlands	Uhde/Raytheon
1987	120	Deepak Fertilisers	Taloja	India	Humphreys & Glasgow, India
1984	1800	Akdenic (debottlenecking)	Gubre	Turkey	MW Kellogg, UK
1982	1500	UKF Fertilizers	Ince	England	
1982	377	RTB - Borzorka	Subotica	Yugoslavia	Krebs, France
1980	818	Fertilizantes Mexicanos	Pajaritos	Mexico	Krebs, France
1979	878	RTB - Bar Zorka	Subotica	Yugoslavia	Krebs, France
1979	1800	Petrochemisches Kombinat 'Schwedt'	Schwedt	GOR	Didier Engineering, Germany
1979	900	CdF-Chimie	Mazingarbe	France	Krebs, France
1978	790	UKF Fertilizers	Ince	England	Sim. Chern., England
1978	818	Fertilizantes Mexicanos	Lazaro Cardenas	Mexico	Krebs, France
1977	725	Agrico Chemical Corporation	Oklahoma, Tulsa	USA	Pullman Kellogg, USA
1977	1250	Gewerkschaft Viktor	Castrop Rauxel	Germany	Didier Engineering, Germany
1975	990	Columbia Nitrogen Corp. AugustaGa	Georgia, Augusta	USA	Braun, USA
1974	1000	Sonatrach	Annaba	Inner Linggu Chemical Industry Co. Ltd., Yixing, Linggu	Krebs, France
1973	1000	ANIC	Ravenna	Italy	Krebs, France
1973	1800	Azot Sanayii	Gemlik	Turkey	Heurtey, France
1973	725	Agrico Chemical Corporation	Oklahoma, Tulsa	USA	Kellogg Continental, The Netherlands

2. Ammonium Nitrate

2.3. PLANTS

YEAR OF ORDER	TOTAL CAPACITY (mt/d)	CLIENTS	LOCATION	COUNTRY	CONTRACTOR
1968	1800	Mediterranean Fertilizer Industry	Mersin	Turkey	Continental Engineering, The Netherlands
1967	855	Cuba Industrial	Cienfuegos	Cuba	Simon Carves, England
1967	1050	Societe Rhodannienne d'Engrais	Chasse	France	Continental Engineering, The Netherlands
1967	483	CSBP & Farmers	Perth	Australia	CSBP & Farmers Ltd
1966	900	Masinimport	Tirgu Mures	Rumania	Didier-Werke, Germany
1966	450	Chemokomplex	Petfürdo	Hungary	Chemokomplex, Hungary
1965	800	Société Belge de l'Azote et des Produits Chimiques du Marly, Liege	Liege	Belgium	SBA, Belgium
1965	540	Fisons	Milnerton	South Africa	Simon Carves, England
1965	450	Produits Chimiques Péchiney-St. Gobain	Rouen	France	Péchiney, France
1965	317	Associated Chemical Companies	Harrogate	England	Humphreys & Glasgow, England
1962	332	SASOL	Sasolburg	South Africa	Simon Carves, England
1962	600	Al Nasr Co.	Helwan	Egypt	Didier-Werke, Germany
1962	113	SASOL	Sasolburg	South Africa	Simon Carves, England
1962	408	Columbia Nitrogen Corp.	Georgia, Augusta	USA	Braun, USA
1959	1850	Fertilizer Corporation of India	Rourkela	India	Fertilizer Corporation of India
1949	150	Engrais et Produits Chimiques de la Meuse	Tilleur	Belgium	Engr. et Prod. Chim. de la Meuse
1940	80	Hibernia	Wanne-Eickel	Germany	Uhde, Germany
1939	85	Mekog	IJmuiden	The Netherlands	Mekog
1933-'50	1750	DSM	Geleen	The Netherlands	DSM

Stamicarbon
Mercator 3 - 6135 KW Sittard
The Netherlands
P.O. Box 53 - 6160 AB Geleen
The Netherlands

Tel. +31 46 4237000
Fax. +31 46 4237001

communication@stamicarbon.com
www.stamicarbon.com