

LIST OF REFERENCES



Born in 1962 thanks to the pioneering spirit of its founders, Eurotecnicca has been steadily growing, becoming one of the world's most reliable technology provider, engineering and contracting company. Today Eurotecnicca is the world leading licensor and contractor of the Group's high-end technologies.

Based in Milan, Italy, Eurotecnicca is part of Proman Group, a corporation with assets in USA, Trinidad & Tobago, Mexico, Germany, Switzerland, Italy, Oman.

Proman Group shares the same values of good engineering practice, efficient project management and uncompromising commitment to safety and environmental care.

Present on four continents and in more than 12 countries, Proman Group has 31 operating subsidiaries and some 1,500 employees worldwide.

The group also includes Proman GmbH, Methanol Holding (Trinidad) Ltd., IPSL, Southern Chemical Corporation, Oman Methanol LLC, Caribbean Nitrogen, Nitro2000.





Melamine

Melamine is a high-end chemical used in the manufacturing of wood-based products, laminates, molding compounds, fire-extinguishing foams. Melamine is produced by direct synthesis of urea, a common fertilizer. Eurotecnica Group is world leading licensor and implementer of high-pressure melamine plants whose technology has been selected by QAFCO for its world-scale facility at Mesaieed, Qatar



Carbon Black

Carbon black is one of the most important chemicals, widely applied in the automotive industry. Carbon black is produced through partial combustion and thermal decomposition of highly aromatic hydrocarbon oils. Eurotecnica Carbon Black technology has been selected by ADNOC Takreer for their brand new facility at Ruwais, UAE.



Oil & Gas, Refinery, Petrochemical

Oil & Gas, Refinery, Petrochemical are industry sectors where Eurotecnica has been active since the company foundation. Its ability to design and implement units in these sectors attracted the attention of companies the likes of UOP LLC which selected Eurotecnica as preferred contractor for a number of units based on their processes, ranging from Continuous Catalyst Regeneration Reforming, to Benzene-Toluene- Xylene, Hydrotreating and N-paraffins extraction.



Methanol Derivatives

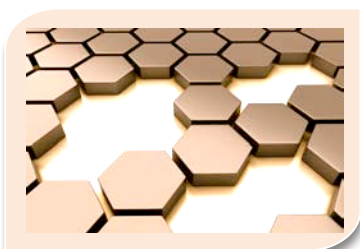
Paraformaldehyde (mainly used in melamine resins, herbicide/pesticide, shale oil & gas), polyols such as Penta, TMP, NPG (mainly used in the painting and coating industry) are some of the major downstream application of methanol. Eurotecnica Group relevant technologies have been applied at facilities in Italy, Saudi Arabia, China, Korea.



CSP Solar

An efficient way to generate electricity during the evening hours is to harvest the sun energy during daylight, transfer it to molten salts and store them into large tanks for later use.

The extraordinary performance of Andasol-3 TES system designed by Eurotecnica sets a new standard for safety and reliability in a pioneering industry.



Eurotecnica Scope of Work

- Licensing
- Feasibility Studies
- Engineering
- Procurement
- Construction Supervision
- After-sales Assistance and Spare Parts Management
- Networking and Product Sales Assistance

Year of Completion	Client / Location	Project	Capacity (MTPY)	Technology	Scope of Work
2020	PETROBRAS - Brazil	Melamine	40,000	EUROTECNICA	B,E,P,CS
2016	XINJIANG XLX CHEMICAL Xinjiang, China	Melamine	60,000	EUROTECNICA	B,E,P,CS
2016	XINJIANG JIACHENG CHEMICAL Xinjiang, China	Melamine	80,000	EUROTECNICA	B,E,P,CS
2016	ADNOC TAKREER Abu Dhabi - UAE	Carbon Black	40,600	EUROTECNICA	B,CS
2013	JSC "METAFRAX" - Gubakha, Russian Federation	Pentaerythritol	25,000	FAR POLIOLI	F
2013	SHAGAYA Concentrated Solar Power, Kuwait	Thermal Energy Storage System	1000 MWt-h	EUROTECNICA	F
2012	ASHALIM Concentrated Solar Power, Israel	Thermal Energy Storage System	1000 MWt-h	EUROTECNICA	F
2011	ANDASOL 3 Concentrated Solar Power - Andalusia, Spain	Thermal Energy Storage System	1010 MWt-h	EUROTECNICA	B,E,CS
2011	ILANGA Concentrated Solar Power, South Africa	Thermal Energy Storage System	1245 MWt-h	EUROTECNICA	F
2010	AKSANDRA Concentrated Solar Power, Rajasthan, India	Thermal Energy Storage System	918 MWt-h	EUROTECNICA	F
2010	IBERDROLA Concentrated Solar Power, Mohave, USA	Thermal Energy Storage System	6455 MWt-h	EUROTECNICA	F
2010	EXTREMASOL Concentrated Solar Power, Extremadura, Spain	Thermal Energy Storage System	1010 MWt-h	EUROTECNICA	F
2011	LOCKHEED MARTIN Concentrated Solar Power, Arquala valley, USA	Thermal Energy Storage System	4485 MWt-h	EUROTECNICA	F
2010	METHANOL HOLDINGS LTD - Point Lisas - Trinidad & Tobago	Melamine II	30,000	EUROTECNICA EUROMEL®	B,E,P,CS
2010	METHANOL HOLDINGS LTD - Point Lisas - Trinidad & Tobago	Melamine I	30,000	EUROTECNICA EUROMEL®	B,E,P,CS
2010	QATAR MELAMINE COMPANY Mesaieed - Qatar	Melamine	60,000	EUROTECNICA EUROMEL®	B,E,P,CS
2009	ESFAHAN PETROCHEMICAL - Tehran, Iran	Phthalic Anhydride	40,000		B,E,P,CS
2008	CARBON SIMORGH - Mahallat - Iran	Carbon Black	42,000	EUROTECNICA	B,E,P,CS
2008	GUJARAT STATE FERTILIZERS & CHEMICALS Ltd. - Vadodara, India	Melamine	20,000	EUROTECNICA EUROMEL®	F
2007	PETROCHINA Urumqi - China	Melamine	30,000	EUROTECNICA EUROMEL®	B,E,P,CS
2007	JIANFENG CHEMICALS Fuling - China	Melamine	30,000	EUROTECNICA EUROMEL®	B,E,P,CS
2007	SICHUAN CHEMICAL WORKS Chengdu (Sichuan) - China	Melamine II	30,000	EUROTECNICA EUROMEL®	B,E,P,CS
2007	DODEH SANATI PARS COMPANY Saveh, Iran	Carbon Black	20,000 (modernization)	EUROTECNICA	B,E
2006	GAZPROM NEFT Omsk - Russian Federation	Paraxylene Plant Modernization	165,000	UOP	E,P,CS
2006	GRUPA AZOTY ZAP Pulawy - Poland	Melamine Recovery Unit	for 60,000	EUROTECNICA EUROMEL®	B,E,P,CS

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2005	SIBNEFT-ONPZ Omsk, Russian Federation	CCR Platforming	1,000,000	UOP	E,P,CS
2005	ZHONGYUAN DAHUA GROUP Puyang (Henan) - China	Melamine III	30,000	EUROTECNICA EUROMEL®	B,E,P,CS
2004	KHORASAN PETROCHEMICAL CO. Bojnurd - Iran	Melamine	20,000	EUROTECNICA EUROMEL®	B,E,P,CS
2004	NANTONG JIANGTIAN CHEM Co. Nantong (Jiangsu)- Cina	Paraformaldehyde Plant	10,000	LIBRA	B,E,P,CS
2004	GRUPA AZOTY ZAP Pulawy - Poland	Melamine II	30,000	EUROTECNICA EUROMEL®	B,E,P,CS
2003	PT SRI MELAMINE REJEKI Palembang - Indonesia	Melamine Recovery Unit	20,000	EUROTECNICA EUROMEL®	B,E,P,CS
2002	ZHONGYUAN DAHUA GROUP Puyang (Henan) - China	Melamine II	12,000	EUROTECNICA EUROMEL®	B,E,P,CS
2001	FUJIAN SANMING CHEM. Co. Sanming (Fujian) - China	Melamine	15,000	EUROTECNICA EUROMEL®	B,E,P,CS
2001	CONDEA AUGUSTA Augusta - Italy	Unloading wharf		EUROTECNICA	E,P,C
2001	UFANEFTECHIM Ufa -Russian Federation	Paraxylene Plant modernization	165,000	UOP	E,P,CS
2001	GRUPA AZOTY ZAP Pulawy - Poland	Melamine I	30,000	EUROTECNICA EUROMEL®	B,E,P,CS
2000	SICHUAN CHEMICAL WORKS Chengdu (Sichuan) - China	Melamine	15,000	EUROTECNICA EUROMEL®	B,E,P,CS
2000	ZHONGYUAN DAHUA GROUP Puyang (Henan) - China	Melamine I	12,000	EUROTECNICA EUROMEL®	B,E,P,CS
1999	YUNTIANHUA CO. Shuifu - China	Pentaerythritol Plant	11,000	FAR POLIOLI	E,P,CS
1997	NAMHAE CHEMICAL Co. Yochun - S. Korea	Melamine	15,000	EUROTECNICA EUROMEL®	B,E,P,CS
1995	GATEWAY Co. Ijebu Ode-Ogun Nigeria	Pharmaceuticals Factory			B,E,P,CS
1994	PT SRI MELAMINE REJEKI Palembang - Indonesia	Melamine	20,000	EUROTECNICA EUROMEL®	B,E,P,CS
1994	PRAOIL Priolo - Italy	Aromatics plant, control systems and instr. revamping			E,P,C
1994	PRAOIL Priolo - Italy	New bunkerized control room for aromatics plant			E,P,C
1994	PRAOIL Gela - Italy	Multi-Services Network at Gela Refinery			B,E,P
1994	SARAS	Blow-down system revamping			E,CS
1994	UFANEFTECHIM Russian Federation	Waste water primary treatment	2,500		E,P,C
1993	AGIP Sannazzaro dei Burgundi - Italy	Hydrocarbon Control System and advanced Quality Control			E
1993	ENICHEM AUGUSTA Porto Torres	Linear Alkyl Benzene revamping	100,000	ENICHEM	B,E
1993	UFANEFTEKIM Ufa - Russian Federation	Durene separation from C9 + aromatics	125,000 (Feedstock)	EUROTECNICA	E
1992	ENICHEM ANIC Ravenna - Italy	Waste water primary treatment 1,500 m3/h			B

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1992	ENICHEM AGRICOLTURA Milano - Italy	Wet oxidation for caprolactam plant effluents (20 m ³ /h)		EUROTECNICA	B
1992	ENICHEM AUGUSTA Augusta - Italy	Normal-Olefin Dimers (NOD)	15,000	ENICHEM	B
1992	ENICHEM AUGUSTA Augusta - Italy	Blowdown system revamping of a detergent plant			E
1992	PRAOIL Priolo - Italy	Vacuum plant (economic assessment)			E
1992	UFANEFTECHIM Ufa - Russian Federation	Aromatics complex revamping	o-X:230,000 p-X:200,000	UOP	E
1991	ENIMONT Ravenna - Italy	Ethylene Dichloride (Oxychlorination)	72,000	EVC	E,P,C
1990	ENICHEM ANIC Augusta - Italy	Linear and branched alcohol fractionation (crystallization)	15,000	ENICHEM	E, P,C
1990	ENICHEM AUGUSTA Augusta - Italy	Product storage tanks, loading bays and relevant facilities			E,P,CS
1990	ENICHEM TECNORESINE Milano - Italy	Polycarbonates	15,000	ENICHEM	B
1990	EUROTECNICA Novara - Italy	Wet oxidation pilot plant		EUROTECNICA	E,P,C
1989	ENICHEM ANIC Gela - Italy	HCN recovery from acrylonitrile	13,000	SOHIO	E,P,C
1989	ENICHEM AUGUSTA Gela - Italy	Oxamide	10,000	HOECHST	E,P,C
1989	ESSO ITALIANA Trecate - Italy	Refinery units (revamping)			E
1989	LARK Correzzana - Italy	Dimethyl aniline wastes treatment			B
1988	AGIP PETROLI S. Nazzaro - Italy	Refinery units (revamping)			E
1988	ENICHEM AUGUSTA Augusta - Italy	Normal-Olefine Dimers (NOD)	Pilot Plant	ENICHEM	E
1988	TERNI INDUSTRIE CHIMICHE Nera Montoro - Italy	Technopolymers compounds production	7,500	TERNI IND. CHIM.	E,P,C
1986	CHIMICA AUGUSTA Porto Torres	Dodecylbenzene	50,000	CHIM. AUGUSTA	E
1986	ROHM & HAAS ITALIA Mozzanica - Italy	Fine chemicals	Undisclosed	ROHM & HAAS	E,CS
1985	ENOXY CHIMICA Porto Torres - Italy	Ethylene loading terminal			E,P,CS
1985	TECHMASHIMPORT Ufa - USSR	Paraxylene (PAREX)	165,000	UOP	E,P,CS
1985	TECHMASHIMPORT Ufa - USSR	C8 aromatics isomerization (ISOMAR)	800,000	UOP	E,P,CS
1985	TECHMASHIMPORT Omsk - USSR	C8 aromatic isomerization (ISOMAR)	800,000	UOP	E,P,CS
1985	TECHMASHIMPORT Omsk - USSR	Paraxylene (PAREX)	165,000	UOP	E,P,CS
1982	KUWAIT MELAMINE INDUSTRIES Shuaiba - Kuwait	Boiler make-up water treatment			E,P,C
1981	ANIC Gela - Italy	Acrylonitrile effluents treatment		VISTRON	E,P,C

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1980	CNTIC Nanjing - China	Kerosene hydrotr./n-paraffins extraction (UNIBON/MOLEX)	280,000/50,000	UOP	E,P,CS
1980	CNTIC Nanjing - China	Linear Alkyl Benzene (PACOL-HF)	50,000	UOP	E,P,CS
1980	KUWAIT MELAMINE INDUSTRIES Shuaiba - Kuwait	Melamine	15,000	EUROTECNICA EUROMEL®	E,P,C
1980	MOCERAM Nsu - Nigeria	Wall and floor tiles (600,000 sq.m/y)		EUROTECNICA	E,P,C
1980	MOCERAM Umuahia - Nigeria	Sanitary and table wares (2,500,000 Pcs/y)		EUROTECNICA	E,P,C
1979	KSC Kuwait City - Kuwait	Sanitary and table wares (250,000 Pcs/y)		CERAMICA POZZI	E,P,C
1979	KSC Kuwait City - Kuwait	Floor and wall tiles (350,000 sq.m/y)		EUROTECNICA	E,P,C
1979	TECHMASHIMPORT Ufa - USSR	Ammonium sulphate (within caprolactam plant)	300,000	SNIA VISCOSA	E
1978	S.I.R. Porto Torres - Italy	Oxo-alcohols	50,000	UGINE KUHLMANN	E
1977	TECHMASHIMPORT Angarsk - USSR	Benzene from pyrolysis gasoline (PYROTOL)	120,000	HOUDRY	E,P,CS
1976	CIBA-GEIGY Napoli - Italy	Ecological effluents treatment and solvent recovery		EUROTECNICA	E,P
1976	LIQUICHIMICA AUGUSTA Augusta - Italy	Oxo-alcohols	50,000	SHELL	E,CS
1975	LIQUICHIMICA AUGUSTA Augusta - Italy	Ballast water treatment			E,P,C
1975	LIQUICHIMICA AUGUSTA Augusta - Italy	Sea wharf			E,P,C
1974	LIQUICHIMICA AUGUSTA Augusta - Italy	Artifoam		KANEGAFUCHI	E,P,C
1974	LIQUICHIMICA AUGUSTA Augusta - Italy	Linear Alkyl Benzene (PACOL-HF)	50,000	UOP	E,CS
1974	LIQUICHIMICA AUGUSTA Augusta - Italy	n-Paraffins from kerosene (ISOSIV)	120,000	UNION CARBIDE	E,CS
1974	LIQUICHIMICA AUGUSTA Augusta - Italy	Utilities and off-sites expansion			E,P,C
1974	LIQUICHIMICA DO BRASIL Santos - Brasil	Tank farm			E,P,C
1974	LIQUIFARM DO BRASIL Santa Ceclilia - Brasil	Breeding center (2,500 cattle)		EUROTECNICA	E,P,C
1974	ZAMBELETTI Milano - Italy	Waste water treatment			E,P,C
1973	FERVET Napoli - Italy	Solvent recovery			E,P
1973	LIQUICHIMICA AUGUSTA Augusta - Italy	n-Olefins (PACOL-OLEX)	50,000	UOP	E,CS
1973	PETKIM PETROKIMIA Izmit - Turkey	Carbon black	15,000	PHILLIPS	E,CS
1972	LIQUICHIMICA AUGUSTA Augusta - Italy	N-paraffins from kerosene (ISOSIV)	40,000	UNION CARBIDE	E,CS
1972	LIQUICHIMICA AUGUSTA Augusta - Italy	N-paraffins from gasoil (ISOSIV)	70,000	UNION CARBIDE	E,CS

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1972	LIQUICHIMICA Augusta - Italy	Utilities and off-sites			E,P,C
1972	PETROMIN Pitesti - Rumania	Vacuum (distillation/visbreaking)		IPIP	E,P,CS
1972	ROMCHIM Pitesti - Rumania	Styrene (fractionation)	40,000	UNION CARBIDE	E,P,C
1972	ROMCHIM Pitesti - Rumania	Benzene from toluene (DETOL)	40,000	HOUDRY	E,P,C
1972	SNIA VISCOSA Ireland	Nylon-6 spinning		SNIA VISCOSA	E
1971	MASINOIMPORT Rumania	Styrene (fractionation)	10,000	EUROTECNICA	P
1971	INDUSTRIALIMPORT Borzesti - Rumania	SBR rubber finishing	32,000	IPOCHIM	P
1971	LIQUICHIMICA Robassomero - Italy	Hydrogen (Reforming / PSA)	1,500 SCM/d	EUROTECNICA / UNION CARBIDE	E,P,CS
1970	INDUSTRIALIMPORT Pitesti - Rumania	Kerosene / gasoil hydrotreating 900,000 MTPY		EUROTECNICA /IPIP	E,P,CS
1970	INDUSTRIALIMPORT Pitesti - Rumania	Topping unit			E,P,CS
1970	MONTECATINI EDISON Priolo - Italy	Pyrolysis gasoline hydrogenation	500,000	MONTEDISON	E
1970	MONTECATINI EDISON Mantova - Italy	Propylene tetramer	100,000	MONTEDISON	E
1970	MONTECATINI EDISON Priolo - Italy	Aromatics (distillation)	500,000	MONTEDISON	E
1970	MONTECATINI EDISON Priolo - Italy	Propylene tetramer	100,000	MONTEDISON	E
1970	MONTECATINI EDISON Priolo - Italy	Facilities and off-sites			E,P,C
1969	CERAMICA POZZI Gazvin - Iran	Sanitaryware		CERAMICA POZZI	E,P,C
1969	INDUSTRIALIMPORT Rumania	Benzene from toluene (DETOL)	50,000	HOUDRY	E,P,CS
1969	INDUSTRIALIMPORT Bucarest - Rumania	Hydrofining			P
1969	INDUSTRIALIMPORT Rumania	Gasoline hydrotreating		EUROTECNICA / IPIP	E,P,CS
1969	ISOR Italy	Dearomatization and desulphurization units			P
1969	MONTECATINI EDISON Priolo - Italy	Ethylene plant upgrading	100,000	MONTEDISON	E
1968	FERRERO Alba - Italy	Automated warehouse			E,P,C
1968	FERRERO Alba - Italy	Industrial foods		FERRERO	E,P,C
1968	SPIDA Catania - Italy	Sucrose esters		SPIDA	E,P,C
1968	TECHNOIMPORT Burgas - Bulgaria	Straight run naphtha (hydrotreating / reforming)	180,000	EUROTECNICA	E,P,C
1968	TECHNOIMPORT Burgas - Bulgaria	Aromatics (superfractionation)	210,000	EUROTECNICA	P

Year of Completion	Client / Location	Project	Capacity (MTPY)	Technology	Scope of Work
1968	TECHNOIMPORT Burgas - Bulgaria	Aromatics (reforming)	180,000	EUROTECNICA	E,P,C
1968	TECHNOIMPORT Burgas - Bulgaria	Pyrolysis gasoline (hydrotreating / hydrogenation)	200,000	EUROTECNICA	P
1968	TECHNOIMPORT Burgas - Bulgaria	Aromatics (extraction)	150,000	EUROTECNICA	P
1967	SPIDA Catania - Italy	Licorice		SPIDA	E,P,C
1966	FERRERO Alba - Italy	Cocoa and chocolate		FERRERO	E,P,C
1965	FERRERO Alba - Italy	Vegetal fatty acids		FERRERO	E
1964	CERAMICA POZZI Ferrandina - Italy	Facilities and off-sites for ceramic factory			E,P,C
1964	MASINOIMPORT Onesti - Rumania	Styrene (fractionation)	10,000	EUROTECNICA	E,P,C
1963	RUMIANCA Cagliari - Italy	Tank farm			P
1963	SHELL CONDOR	Expansion of power distribution system for refinery			E

- F FEASIBILITY STUDY
- B PROCESS / BASIC ENGINEERING DESIGN
- E FRONT END / DETAILED ENGINEERING DESIGN
- P PROCUREMENT OF EQUIPMENT AND MATERIALS
- C CONSTRUCTION
- CS CONSTRUCTION SUPERVISION



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