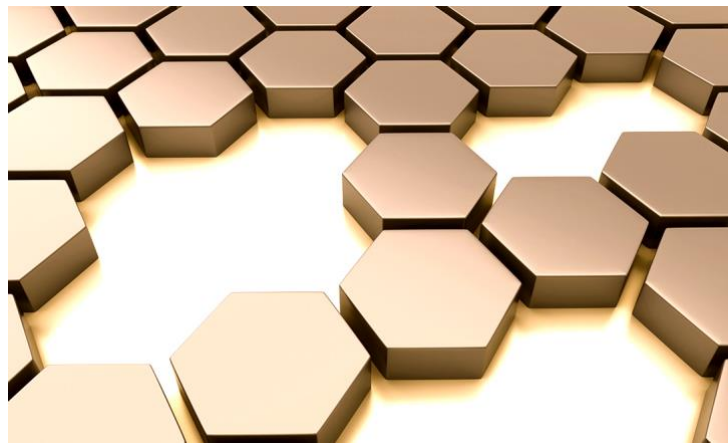


# REFERENCE LIST 2018





# Eurotecnic

Established in 1962 Eurotecnic Group is one of the world's most reliable for its technology providers, engineering and contracting company.

Eurotecnic is part of Proman Group - a corporation with assets in Trinidad & Tobago, USA, Mexico, Germany, Switzerland, Italy, Portugal, Oman.

Eurotecnic Group's proprietary technologies encompass the notable:

**EUROMEL® MELAMINE PROCESS**, the leading and best available technology for the production of melamine, a high-end chemical used in the manufacturing of wood-based products, laminates, moulding compounds, fire-extinguishing foams.

**ET BLACK™ PROCESS**, the technology of reference for the production of carbon black, one of the most important chemicals widely applied in the automotive industry.

**ET SUN ENERGY™ PROCESS**, a reliable green technology applied at CSP solar plants for harvesting the sun energy during daylight and releasing throughout the evening to enhance the dispatchability of electric power.

Eurotecnic is also known for its massive experience as engineering and contracting company in the Oil & Gas, Refinery and Petrochemical sectors, wherein it is active since the foundation. The ability to design and implement units with innovative solutions have attracted the attention of companies the likes of UOP LLC, that selected Eurotecnic as preferred contractor for a number of units based on their own technologies, ranging from CCR Reforming, to Benzene-Toluene- Xylene, Hydrotreating and N-paraffins extraction.

Eurotecnic spectrum of activities include:

- ▣ Licensing
- ▣ Feasibility Studies
- ▣ Engineering
- ▣ Procurement
- ▣ Construction Supervision
- ▣ After-sales Assistance and Spare Parts Management



Year of Completion	Client / Location	Project	Capacity	Technology	Scope of Work
2018	ADNOC TAKREER Abu Dhabi - UAE	Carbon Black	40,600 MTPY	EUROTECNICA <i>ET BLACK</i> <sup>™</sup>	B,E,P,S
2018	XINJIANG XLX ENERGY CHEMICAL - Xinjiang, China	Melamine II	60,000 MTPY	EUROTECNICA <i>EUROMEL</i> <sup>®</sup>	L,B,P,CS
2016	XINJIANG XLX ENERGY CHEMICAL - Xinjiang, China	Melamine I	60,000 MTPY	EUROTECNICA <i>EUROMEL</i> <sup>®</sup>	L,B,P,CS
2016	XINJIANG YIHUA CHEMICAL - Xinjiang, China	Melamine	80,000 MTPY	EUROTECNICA <i>EUROMEL</i> <sup>®</sup>	L,B,P,CS
2013	SHAGAYA Concentrated Solar Power, Kuwait	Thermal Energy Storage System	1000 MWt-h	EUROTECNICA <i>ET SUN ENERGY</i> <sup>™</sup>	F
on hold	PETROBRAS - Brazil	Melamine	40,000 MTPY	EUROTECNICA <i>EUROMEL</i> <sup>®</sup>	L,B,P,CS
2012	BRIDGESTONE CORPORATION - Tokio, Japan	Carbon Black for Tamaulipas plant, Mexico	30,000 MTPY	EUROTECNICA <i>ET BLACK</i> <sup>™</sup>	F
2012	ASHALIM Concentrated Solar Power, Israel	Thermal Energy Storage System	1000 MWt-h	EUROTECNICA <i>ET SUN ENERGY</i> <sup>™</sup>	F
2011	ANDASOL 3 Concentrated Solar Power - Andalusia, Spain	Thermal Energy Storage System	1010 MWt-h	EUROTECNICA <i>ET SUN ENERGY</i> <sup>™</sup>	B,E,CS
2011	ILANGA Concentrated Solar Power, South Africa	Thermal Energy Storage System	1245 MWt-h	EUROTECNICA <i>ET SUN ENERGY</i> <sup>™</sup>	F
2010	AKSANDRA Concentrated Solar Power, Rajasthan, India	Thermal Energy Storage System	918 MWt-h	EUROTECNICA <i>ET SUN ENERGY</i> <sup>™</sup>	F
2010	IBERDROLA Concentrated Solar Power, Mohave, USA	Thermal Energy Storage System	6455 MWt-h	EUROTECNICA <i>ET SUN ENERGY</i> <sup>™</sup>	F
2010	EXTREMASOL Concentrated Solar Power, Extremadura, Spain	Thermal Energy Storage System	1010 MWt-h	EUROTECNICA <i>ET SUN ENERGY</i> <sup>™</sup>	F
2011	LOCKHEED MARTIN Concentrated Solar Power, Arquala valley, USA	Thermal Energy Storage System	4485 MWt-h	EUROTECNICA <i>ET SUN ENERGY</i> <sup>™</sup>	F
2010	METHANOL HOLDINGS LTD - Point Lisas - Trinidad & Tobago	Melamine II	30,000 MTPY	EUROTECNICA <i>EUROMEL</i> <sup>®</sup>	L,B,P,CS
2010	METHANOL HOLDINGS LTD - Point Lisas - Trinidad & Tobago	Melamine I	30,000 MTPY	EUROTECNICA <i>EUROMEL</i> <sup>®</sup>	L,B,P,CS
2010	QATAR MELAMINE COMPANY Mesaieed - Qatar	Melamine	60,000 MTPY	EUROTECNICA <i>EUROMEL</i> <sup>®</sup>	L,B,E,P,CS
2009	ESFAHAN PETROCHEMICAL - Tehran, Iran	Phthalic Anhydride	40,000 MTPY		L,B,E,P,CS
2008	CARBON SIMORGH - Mahallat - Iran	Carbon Black	42,000 MTPY	EUROTECNICA <i>ET BLACK</i> <sup>™</sup>	L,B,E,P,CS
2008	GUJARAT STATE FERTILIZERS & CHEMICALS Ltd. - Vadodara, India	Melamine	20,000 MTPY	EUROTECNICA <i>EUROMEL</i> <sup>®</sup>	F
2007	PETROCHINA Urumqi - China	Melamine	30,000 MTPY	EUROTECNICA <i>EUROMEL</i> <sup>®</sup>	L,B,P,CS
2007	JIANFENG CHEMICALS Fuling - China	Melamine	30,000 MTPY	EUROTECNICA <i>EUROMEL</i> <sup>®</sup>	L,B,P,CS
2007	SICHUAN CHEMICAL WORKS Chengdu (Sichuan) - China	Melamine II	30,000 MTPY	EUROTECNICA <i>EUROMEL</i> <sup>®</sup>	L,B,P,CS
2007	DODEH SANATI PARS COMPANY Saveh, Iran	Carbon Black	20,000 MTPY (modernization)	EUROTECNICA <i>ET BLACK</i> <sup>™</sup>	B,E
2006	GAZPROM NEFT Omsk - Russian Federation	Paraxylene Plant Modernization	165,000 MTPY	UOP	E,P,CS



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2006	GRUPA AZOTY ZAP Pulawy - Poland	Melamine Recovery Unit	for 60,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
2005	SIBNEFT-ONPZ Omsk, Russian Federation	CCR Platforming	1,000,000 MTPY	UOP	E,P,CS
2005	ZHONGYUAN DAHUA GROUP Puyang (Henan) - China	Melamine III	30,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
2004	KHORASAN PETROCHEMICAL CO. Bojnurd - Iran	Melamine	20,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
2004	NANTONG JIANGTIAN CHEM Co. Nantong (Jiangsu)- Cina	Paraformaldehyde Plant	10,000 MTPY	LIBRA	L,B,P,CS
2004	GRUPA AZOTY ZAP Pulawy - Poland	Melamine II	30,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
2003	PT SRI MELAMINE REJEKI Palembang - Indonesia	Melamine Recovery Unit	20,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
2002	ZHONGYUAN DAHUA GROUP Puyang (Henan) - China	Melamine II	12,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
2001	FUJIAN SANMING CHEM. Co. Sanming (Fujian) - China	Melamine	15,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
2001	CONDEA AUGUSTA Augusta - Italy	Unloading wharf		EUROTECNICA	E,P,C
2001	UFANEFTECHIM Ufa -Russian Federation	Paraxylene Plant modernization	165,000 MTPY	UOP	E,P,CS
2001	GRUPA AZOTY ZAP Pulawy - Poland	Melamine I	30,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
2000	SICHUAN CHEMICAL WORKS Chengdu (Sichuan) - China	Melamine	15,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
2000	ZHONGYUAN DAHUA GROUP Puyang (Henan) - China	Melamine I	12,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
1999	YUNTIANHUA CO. Shuifu - China	Pentaerythritol Plant	11,000 MTPY	FAR POLIOLI	L,B,P,CS
1997	NAMHAE CHEMICAL Co. Yochun - S. Korea	Melamine	15,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
1995	GATEWAY Co. Ijebu Ode-Ogun Nigeria	Pharmaceuticals Factory		EUROTECNICA	B,E,P,CS
1994	PT SRI MELAMINE REJEKI Palembang - Indonesia	Melamine	20,000 MTPY	EUROTECNICA EUROMEL®	L,B,P,CS
1994	PRAOIL Priolo - Italy	Aromatics plant, control systems and instr. revamping		EUROTECNICA	E,P,C
1994	PRAOIL Priolo - Italy	New bunkerized control room for aromatics plant		EUROTECNICA	E,P,C
1994	PRAOIL Gela - Italy	Multi-Services Network at Gela Refinery		EUROTECNICA	B,E,P
1994	SARAS	Blow-down system revamping		EUROTECNICA	E,CS
1994	UFANEFTECHIM Russian Federation	Waste water primary treatment	2,500 MTPY	EUROTECNICA	E,P,C
1993	AGIP Sannazzaro dei Burgundi - Italy	Hydrocarbon Control System and advanced Quality Control		EUROTECNICA	E
1993	ENICHEM AUGUSTA Porto Torres	Linear Alkyl Benzene revamping	100,000 MTPY	ENICHEM	B,E
1993	UFANEFTEKIM Ufa - Russian Federation	Durene separation from C9 + aromatics	125,000 MTPY (Feedstock)	EUROTECNICA	E

Year of Completion	Client / Location	Project	Capacity	Technology	Scope of Work
1992	ENICHEM ANIC Ravenna - Italy	Waste water primary treatment 1,500 m3/h		EUROTECNICA	B
1992	ENICHEM AGRICOLTURA Milano - Italy	Wet oxidation for caprolactam plant effluents (20 m3/h)		EUROTECNICA	B
1992	ENICHEM AUGUSTA Augusta - Italy	Normal-Olefin Dimers (NOD)	15,000 MTPY	ENICHEM	B
1992	ENICHEM AUGUSTA Augusta - Italy	Blowdown system revamping of a detergent plant		EUROTECNICA	E
1992	PRAOIL Priolo - Italy	Vacuum plant (economic assessment)		EUROTECNICA	E
1992	UFANEFTECHIM Ufa - Russian Federation	Aromatics complex revamping	o-X:230,000t/y p-X:200,000t/y	UOP	E
1991	ENIMONT Ravenna - Italy	Ethylene Dichloride (Oxychlorination)	72,000 MTPY	EVC	E,P,C
1990	ENICHEM ANIC Augusta - Italy	Linear and branched alcohol fractionation (crystallization)	15,000 MTPY	ENICHEM	E,P,C
1990	ENICHEM AUGUSTA Augusta - Italy	Product storage tanks, loading bays and relevant facilities		EUROTECNICA	E,P,CS
1990	ENICHEM TECNORESINE Milano - Italy	Polycarbonates	15,000 MTPY	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 MTPY	SOHIO	E,P,C
1989	ENICHEM AUGUSTA Gela - Italy	Oxamide	10,000 MTPY	HOECHST	E,P,C
1989	ESSO ITALIANA Trecate - Italy	Refinery units (revamping)		EUROTECNICA	E
1989	LARK Correzzana - Italy	Dimethyl aniline wastes treatment		EUROTECNICA	B
1988	AGIP PETROLI S. Nazzaro - Italy	Refinery units (revamping)		EUROTECNICA	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 MTPY	TERNI IND. CHIM.	E,P,C
1986	CHIMICA AUGUSTA Porto Torres	Dodecylbenzene	50,000 MTPY	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		EUROTECNICA	E,P,CS
1985	TECHMASHIMPORT Ufa - USSR	Paraxylene (PAREX)	165,000 MTPY	UOP	E,P,CS
1985	TECHMASHIMPORT Ufa - USSR	C8 aromatics isomerization (ISOMAR)	800,000 MTPY	UOP	E,P,CS
1985	TECHMASHIMPORT Omsk - USSR	C8 aromatic isomerization (ISOMAR)	800,000 MTPY	UOP	E,P,CS
1985	TECHMASHIMPORT Omsk - USSR	Paraxylene (PAREX)	165,000 MTPY	UOP	E,P,CS
1982	KUWAIT MELAMINE INDUSTRIES Shuaiba - Kuwait	Boiler make-up water treatment		EUROTECNICA EUROMEL®	L,B,P,CS

Year of Completion	Client / Location	Project	Capacity	Technology	Scope of Work
1981	ANIC Gela - Italy	Acrylonitrile effluents treatment		VISTRON	E,P,C
1980	CNTIC Nanjing - China	Kerosene hydrotr./n-paraffins extraction (UNIBON/MOLEX)	280,000/50,000 MTPY	UOP	E,P,CS
1980	CNTIC Nanjing - China	Linear Alkyl Benzene (PACOL-HF)	50,000 MTPY	UOP	E,P,CS
1980	KUWAIT MELAMINE INDUSTRIES Shuaiba - Kuwait	Melamine	15,000 MTPY	EUROTECNICA EUROMEL®	E,P,C
1980	MOCERAM Nsu - Nigeria	Wall and floor tiles (600,000 sq.m/y)		EUROTECNICA	E,P,C
1980	MOCERAM Umuhia - 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 MTPY	SNIA VISCOSA	E
1978	S.I.R. Porto Torres - Italy	Oxo-alcohols	50,000 MTPY	UGINE KUHLMANN	E
1977	TECHMASHIMPORT Angarsk - USSR	Benzene from pyrolysis gasoline (PYROTOL)	120,000 MTPY	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 MTPY	SHELL	E,CS
1975	LIQUICHIMICA AUGUSTA Augusta - Italy	Ballast water treatment		EUROTECNICA	E,P,C
1975	LIQUICHIMICA AUGUSTA Augusta - Italy	Sea wharf		EUROTECNICA	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 MTPY	UOP	E,CS
1974	LIQUICHIMICA AUGUSTA Augusta - Italy	n-Paraffins from kerosene (ISOSIV)	120,000 MTPY	UNION CARBIDE	E,CS
1974	LIQUICHIMICA AUGUSTA Augusta - Italy	Utilities and off-sites expansion		EUROTECNICA	E,P,C
1974	LIQUICHIMICA DO BRAZIL Santos - Brasil	Tank farm		EUROTECNICA	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		EUROTECNICA	E,P,C
1973	FERVET Napoli - Italy	Solvent recovery		EUROTECNICA	E,P
1973	LIQUICHIMICA AUGUSTA Augusta - Italy	n-Olefins (PACOL-OLEX)	50,000 MTPY	UOP	E,CS
1973	PETKIM PETROKIMIA Izmit - Turkey	Carbon black	15,000 MTPY	PHILLIPS	E,CS
1972	LIQUICHIMICA AUGUSTA Augusta - Italy	N-paraffins from kerosene (ISOSIV)	40,000 MTPY	UNION CARBIDE	E,CS

Year of Completion	Client / Location	Project	Capacity	Technology	Scope of Work
1972	LIQUICHIMICA AUGUSTA Augusta - Italy	N-paraffins from gasoil (ISOSIV)	70,000 MTPY	UNION CARBIDE	E,CS
1972	LIQUICHIMICA Augusta - Italy	Utilities and off-sites		EUROTECNICA	E,P,C
1972	PETROMIN Pitesti - Rumania	Vacuum (distillation/visbreaking)		IPIP	E,P,CS
1972	ROMCHIM Pitesti - Rumania	Styrene (fractionation)	40,000 MTPY	UNION CARBIDE	E,P,C
1972	ROMCHIM Pitesti - Rumania	Benzene from toluene (DETOL)	40,000 MTPY	HOUDRY	E,P,C
1972	SNIA VISCOSA Ireland	Nylon-6 spinning		SNIA VISCOSA	E
1971	MASINOIMPORT Rumania	Styrene (fractionation)	10,000 MTPY	EUROTECNICA	P
1971	INDUSTRIALIMPORT Borzesti - Rumania	SBR rubber finishing	32,000 MTPY	IPOCHIM	P
1971	LIQUICHIMICA Robassomero - Italy	Hydrogen (Reforming / PSA)	1,500 SCMD	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		EUROTECNICA	E,P,CS
1970	MONTECATINI EDISON Priolo - Italy	Pyrolysis gasoline hydrogenation	500,000 MTPY	MONTEDISON	E
1970	MONTECATINI EDISON Mantova - Italy	Propylene tetramer	100,000 MTPY	MONTEDISON	E
1970	MONTECATINI EDISON Priolo - Italy	Aromatics (distillation)	500,000 MTPY	MONTEDISON	E
1970	MONTECATINI EDISON Priolo - Italy	Propylene tetramer	100,000 MTPY	MONTEDISON	E
1970	MONTECATINI EDISON Priolo - Italy	Facilities and off-sites		EUROTECNICA	E,P,C
1969	CERAMICA POZZI Gazvin - Iran	Sanitaryware		CERAMICA POZZI	E,P,C
1969	INDUSTRIALIMPORT Rumania	Benzene from toluene (DETOL)	50,000 MTPY	HOUDRY	E,P,CS
1969	INDUSTRIALIMPORT Bucarest - Rumania	Hydrofining		EUROTECNICA	P
1969	INDUSTRIALIMPORT Rumania	Gasoline hydrotreating		EUROTECNICA / IPIP	E,P,CS
1969	ISOR Italy	Dearomatization and desulphurization units		EUROTECNICA	P
1969	MONTECATINI EDISON Priolo - Italy	Ethylene plant upgrading	100,000 MTPY	MONTEDISON	E
1968	FERRERO Alba - Italy	Automated warehouse		EUROTECNICA	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 MTPY	EUROTECNICA	E,P,C



Year of Completion	Client / Location	Project	Capacity	Technology	Scope of Work
1968	TECHNOIMPORT Burgas - Bulgaria	Aromatics (superfractionation)	210,000 MTPY	EUROTECNICA	P
1968	TECHNOIMPORT Burgas - Bulgaria	Aromatics (reforming)	180,000 MTPY	EUROTECNICA	E,P,C
1968	TECHNOIMPORT Burgas - Bulgaria	Pyrolysis gasoline (hydrotreating/hydrogenation)	200,000 MTPY	EUROTECNICA	P
1968	TECHNOIMPORT Burgas - Bulgaria	Aromatics (extraction)	150,000 MTPY	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		EUROTECNICA	E,P,C
1964	MASINOIMPORT Onesti - Rumania	Styrene (fractionation)	10,000 MTPY	EUROTECNICA	E,P,C
1963	RUMIANCA Cagliari - Italy	Tank farm		EUROTECNICA	P
1963	SHELL CONDOR	Expansion of power distribution system for refinery		EUROTECNICA	E

- L TECHNOLOGY PROVISION
- 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
- S ADVISORY SERVICES / SUPERVISION





# Engineered to perform Built to be durable.

Across a 40 years journey as licensors and contractors, we have been committing to protect the environment through the continuous improvement of proprietary technologies, providing our customers sustainability without affecting profitability.

Eurotecnica Group long lasting reputation as prime technology provider, engaged in the preservation of the environment through responsible design and innovative operational techniques, is an invaluable asset for our customers, partners, employees and shareholders.

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