



EUROTECNICA
Contractors and Engineers.



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Eurotecnica is an international engineering and contracting company active in the fields of melamine, chemicals and refinery operations. A staff of more than 100 highly skilled employees is the core of the company and the driving force of Eurotecnica. To date Eurotecnica has successfully carried out more than 130 projects, implemented all over the world to the clients' full satisfaction.

Implementation of process plants - worldwide

Thanks to its reliability, Eurotecnica earned a remarkable standing among process oriented engineering and contracting companies, thus making the company a natural choice whenever project risks are to be minimized.

Eurotecnica is known worldwide for its High Pressure Melamine Technology, which is, as of today, the most widespread melamine process.

Furthermore, Eurotecnica can offer a wide range of technologies in the field of petrochemicals and refinery units.

Together with our Clients and our Partners, Eurotecnica can address the most demanding tasks with the greatest flexibility.



Milestones

- 2007 MAN Ferrostaal awards Eurotecnica a contract for the design and supply of a 2 x 30,000 MTPY Melamine Plant to Methanol Holdings in Trinidad and Tobago.
- 2006 Qafco, the Qatar Fertilizer Company awards Eurotecnica the EPS contract for the complete design and supply of a 60,000 MTPY Melamine plant.
- 2004 Commissioning of a CCR Reforming unit 1,000,000 MTPY capacity, at Sibneft facility of Omsk – Russian Federation. Technology source: UOP (USA).
- 1999 Commissioning of the first Pure Pentaerythritol Plant in the People's Republic of China: 12,000 MTPY capacity at Yunnan Yuntianhua Co., Ltd. facility in Shuifu. Technology source: F.A.R.- Polioli, Milan, Italy.
- 1998 EPS contract for the first 30,000 MTPY – single reactor – Melamine plant newly developed by the Company.
- 1998 Eurotecnica acquires the ownership and all the rights and grants for the Melamine technology and know-how from Allied Signal (USA).
- 1985 Successful commissioning, at Omsk and Ufa refineries – former U.S.S.R., of 2 x 800,000 MTPY C8 Aromatics Isomerization units (ISOMAR) and 2 x 165,000 MTPY Paraxylene (PAREX) units based on UOP technology.
- 1980 EPS contract for the first Linear Alkyl Benzene Plant (UNIBON-MOLEX-PACOL-HF based on UOP technology) in the People's Republic of China. 50,000 MTPY unit at Nanjing facilities – Jiangsu province (nowadays Sinopec).
- 1980 First Melamine plant. EPC contract for a 15,000 MTPY unit at Kuwait Melamine Industries facilities, Shuaiba – Kuwait. The plant design was based on the Allied Signal (USA) technology.
- 1973 Commissioning of the first Linear Alkyl Benzene Plant (PACOL-HF) based on UOP (USA) technology. 50,000 MTPY unit at Liquichimica Augusta facilities, Sicily, Italy.
- 1963 The first EPC contract signed: 10,000 MTPY Styrene fractionation unit at Onesti – Romania.
- 1962 A team of highly experienced managers from the Italian petrochemical, chemical and oil refining industries gather and establish the foundation of Eurotecnica S.p.A. in Milan, Italy.

Commitments

True Reliability.

Since its foundation, Eurotecnica has been considered one of the most reliable engineering and contracting companies. Eurotecnica adopts a conservative and safe approach on every single aspect of the project and we dedicate ourselves to our Clients from the very initial shaping of the idea up to the end of the plant life.

The people and the tools

People are the key of Eurotecnica's reliability and commitment to Clients. Careful personnel selection, on the job training and tutorship, flat organization structure, collective decision processes: we strive to make Eurotecnica an exceptional workplace, so our people can focus on their passion: process engineering.

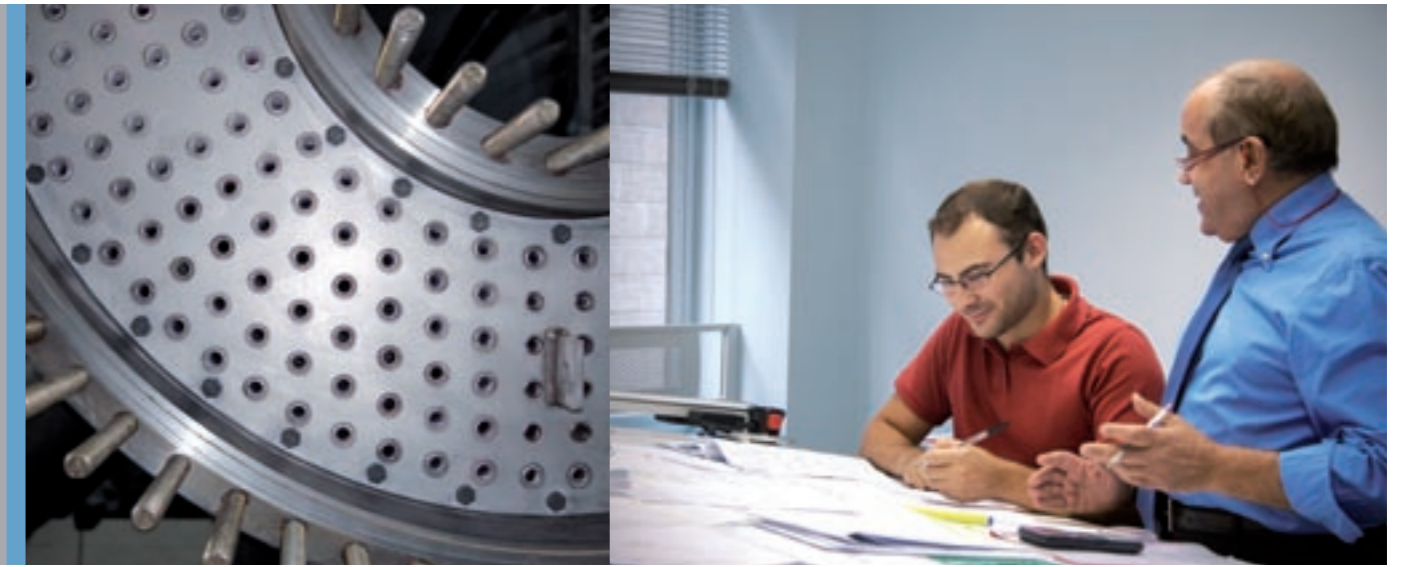
This is supported by a superior quality control system and the latest software and hardware tools.

Opportunities for our Customers

Our commitment to reliability translates into opportunities for our Customers; their investments are built on stronger basis, as project risks are minimized. New or not accessible market niches can be safely exploited and existing technologies are strengthened by Eurotecnica's renowned process expertise.

Services

The Range.



Project front end Services

- Feasibility Studies
- Project financing assistance

Engineering

- Process Design Package (PDP)
- Basic Design and Front End Engineering (FEED)
- Detailed Engineering

Procurement

- Purchasing
- Expediting
- Inspection
- Testing
- Shipping coordination

Project Execution

- Project management
- Site Supervision Services for Construction & Erection, Pre-Commissioning, Commissioning, Start-up
- Theoretical and practical training of Client's personnel
- Assistance with plant operation
- After sales technical assistance

Type of contracts

- Engineering
- Engineering, Procurement and Supervision
- Turn Key

Contractual arrangements

- Reimbursable
- Cost plus fee
- Lump sum
- Project financing

Range of Technologies

Melamine.
Chemicals.
Refinery.

Eurotecnica's strong process foundations and proven management capabilities give our customers access to a wide range of technologies, ranging from melamine to a long list of chemicals and refinery operations.



ET MELAMINE

Melamine is used to produce melamine/formaldehyde resins that fit a large variety of applications: flooring, laminates, thermosetting plastic.

Other applications include paints, glues, flame retardants and slow-release fertilizers.

The melamine is normally produced in several grades, depending on its purity.

This is not the case of Eurotecnica's melamine plants, which can produce top commercial grade only and enjoy high standing in the international market because of the quality and consistency of their product.

Eurotecnica is the world leader in melamine technology and its High Pressure Melamine Technology is the process of choice for new installations because of its outstanding features.

- **Continuous production of top grade melamine**
- **Time between normal turn arounds more than 500 days with plant operating 24hr/day without interruptions.**
- **Catalyst free operation – no downtime, no production ramp-up for fluid bed tuning, no variation in quality, no costs for catalyst purchase and disposal**
- **Turn down ratio less than 50 %.**
- **Ammonia and carbon dioxide rich off gases fully recycled at medium pressure to the upstream urea plant or to a dedicated urea unit.**
- **No extra chemicals added to the process: just urea and ammonia.**
- **Environmentally friendly – no liquid and solid effluents are released to the environment.**

ET CHEMICALS

In keeping with our philosophy of providing opportunities through true reliability, Eurotecnica can bridge the gap between customers and a wide range of technologies.

Eurotecnica utilizes and, in certain cases, develops in partnership proven and referenced technologies of international companies and research institutes active in the chemical and petrochemical fields and with whom it maintains technological alliances.

The resulting portfolio of chemical technologies encompasses the entire chemical industry.

ET REFINERY

When it comes to refinery operations and petrochemical units, reliability is of the essence. That is why Eurotecnica enjoys a very high standing in front of the major global Licensors.

The cooperation with UOP is a clear demonstration: Eurotecnica performed a number of projects with their technologies, ranging from Continuous Catalyst Regeneration Reforming (CCR), to Benzene-Toluene-Xylene systems (BTX), to Hydrotreating and to N-paraffins extraction.

Furthermore, Eurotecnica has been one of the very first companies to build UOP's Linear Alkyl Benzene plants, thus paving the way to its current leadership in that field.

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