

[www.fastechsrl.it](http://www.fastechsrl.it)



TECHNOLOGY

VALUE

SOLUTIONS



UPDATED & TAILOR-MADE SOLUTIONS  
TO PETROCHEMICAL COMPANIES

Technologies  
Licensors &  
Engineers



*We are here to help you  
through tailor-made solutions*







*FasTech Srl is an Italian Technology Company, offering innovative and tailor-made technologies, solutions and engineering services to the growing new markets for:*

- **Construction of new plants**
- **Revamping and expansion of existing plants**
- **Product development and market expansion**

*FasTech was founded in 2003 as young, dynamic and fast-growing technology and engineering company. The technical & engineering offices are located in Ferrara, the town where the most advanced chemical and petrochemical developments took place in the early fifties thanks to the work of Nobel Prize winner, Giulio Natta.*

*We offer support to our clients for development, market introduction and commercial expansion thanks to our collaboration with Tecnopolimeri S.p.A.*

## Technologies and solutions for chemical and petrochemical world

Our services and professional work embrace the full range of activities provided by leading world-wide engineering companies:

*Process Design Packages*

*Basic Engineering Design Package*

*Detailed Engineering (supervision)*

*Procurement Services*

*Revamping and upgrading of existing plants*

*Feasibility Studies*

*Technical Assistance for Plant Commissioning and Start Up*

*Technical Training*



### Broad assistance for:

**Process Selection**

**Package Selection**

**Feasibility Study**

**Size of Plant Selection**

**Engineering Company Selection**

**Personal Training**

**Equipment Procurement**

**Construction Management**

**Commissioning and Start-up**

**Operation and Maintenance**

**Activation of New Products Market  
and Product Buy Back**

# Technologies portfolio

## SYNTHETIC RUBBERS

- High-Cis polybutadiene, based on Nd catalyst
- Low-Cis polybutadiene based on Li catalyst
- Emulsion Styrene-Butadiene Rubber (E-SBR)
- Solution Styrene-Butadiene Rubber (S-SBR)
- Thermoplastic rubbers, such as SBS and SIS
- Polyisoprene
- EP(D)M rubbers, via “slurry” and “solution” technologies



## PLASTIC MATERIALS

- Polyolefins, mainly for revamping and upgrading of existing plants
- Engineering polymeric materials



## CHEMICAL AND PETROCHEMICAL INTERMEDIATES

- Butadiene from C4 fraction
- Isoprene from C5 fraction
- Caprolactam
- Ethylidene Norbornene (ENB)
- Other intermediates and derivatives.



## PROCESS ENGINEERING

The activities of our process design team, based on the original know-how of our experts, include:

- Thermodynamic modeling
- Steady-state (and dynamic) process simulation
- Material and heat balance calculation
- PFDs (process flow diagrams) conceptual design
- Process design (preliminary sizing) of critical equipment.

During the last few years, many important thermodynamic models have been developed by FasTech engineers.

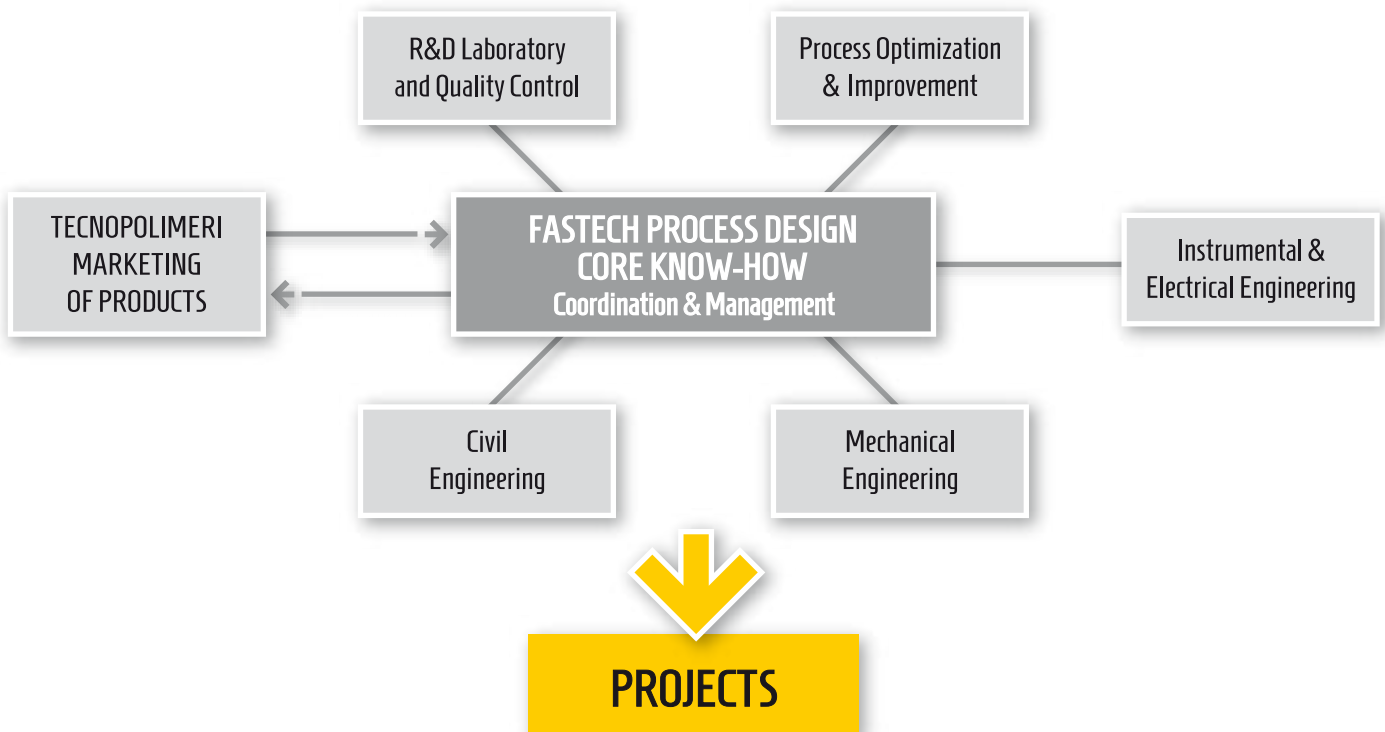
## MECHANICAL ENGINEERING

Thanks to experts' experience and the utilization of professional software our mechanical engineers and draftsmen can produce advanced engineering documents including, for example:

- Plot plan and layout
- P&IDs (process and instrumentations diagrams)
- Equipment design and datasheet
- Piping class design

Through the use of Autocad 2013, ESapro P&ID and Esapro Datasheet (designed by ESain, a famous Italian software house) our professionals are able to design P&IDs and PFDs with many advantages such as dynamic updating system, bi-directional congruence and automatic generation of various PDP documents.

## FASTECH "Satellite System"



[www.fastechsrl.it](http://www.fastechsrl.it)



#### **HEADQUARTERS**

Via Solferino, 10  
20831 Seregno (MB) - Italy  
Tel. +39.0362.224101  
Fax +39.0362.221880  
[info@fastechsrl.it](mailto:info@fastechsrl.it)

#### **TECHNICAL DEPARTMENT**

Via Bela Bartok, 29/G  
44124 Ferrara (FE) - Italy  
Tel. +39 0532 909438  
Fax +39 0532 970070

