

## **Abstract Tile - High Value Niche Products: Butene and Hexene Alpha Olefins**

### **Abstract**

Game changers, should they be of economical, political, geographical or environmental nature or mix thereof are likely to shape the future of refining and petrochemicals industry. Licensing and catalyst business has to be a smart and proactive way of thinking, anchored in the reality of past experience, making the present efficient and appropriate, and contributing to shape the future by anticipating the solutions that can match tomorrow's probable demand.

The presentation will review in essence this philosophy applied to the base material of the polymer industry such as to key building blocks that are ethylene and co-monomers.

- Evolutions of C4 co-monomer production routes from conventional C4 route where native potential 1-butene is present and recovered, to alternate route based on ethylene dimerization. This evolution typically reflects the modification of economical incentive and technical production potential that appears in a gas feed vs naphtha fed steam cracking plant.
- New technology development for the production of new co-monomers

Anticipating is for sure tricky; whatever the form in which future will materialize, agility, know-how and belief in technology are among the keys in which our industry will find the answers and maintain its excellence.