

The Laboratory of Environmental Fuels and Hydrocarbons (LEFH) in collaboration with the Laboratory of Analysis and Characterization of Solids is able to carry out collaborative or contract research on applied catalysis based on the following key competencies derived from the following knowledge base:

- Analytical methods for physical and chemical analysis of gaseous and liquid organic mixtures (GC, GC/MS, PIONA, S speciation in gasoline).
- Analysis and characterization of heterogeneous catalysts.
- Operation and data analysis from bench and pilot scale batch and continuous fixed and fluid bed reactor system.

Based on the above core competencies unique technology has been developed (LEFH is used by BP, HAR, OMV, Akzo/Nobel among others for outsourcing key research and technology services) in the following main areas:

- Fluid Catalytic Cracking (FCC) catalyst evaluation studies
- FCC additives evaluation studies
- Hydrogen Desulfurization (HDS) catalyst evaluation studies

Services Provided 2000-2004

Title

FCC Catalyst Evaluation

Hellenic Petroleum

Fuel quality control

SME's

Refining Catalyst Testing Programme

BP

Relating to Catalytic Cracking of the Future

European Companies

FCC Catalyst Evaluation

European Companies

HDS Catalyst Evaluation

European Catalyst Company

Naphtha Testing

European Catalyst Company

BPCPU-SERVICE

BP

? P WEST COAST PRODUCTS LLC

BP

Pilot Plant testing of four fresh FCC Catalysts

European Refinery

Protocol development for bench scale evaluation of FCC catalysts for iron tolerance

European Catalyst Company

Pilot Plant Testing of FCC Catalysts

South East Asia Companies

Catalyst Testing Program

European Catalyst Company

Refining Catalyst Testing Program

BP Products North America Inc

Testing of hydrotreating catalysts

European Catalyst Company

Evaluation of catalyst relating to Hydrocracking processes

BP

Conduct of Pilot Plant trials in Greece

European Catalyst Company

