



TIM SHEPPERD VP of Technical Services



Summary of Qualifications

Through over 25 years of experience in the HF Alkylation Industry, Tim has attained extensive knowledge of the HF Alkylation process and the technology that supports these units across the globe. Tim's unique expertise in this field ranges from refining to design and licensing. He has personally been on site to audit and provide advice to over 40 HF units worldwide including Western Europe, China, South Africa, South America, Russia and the USA. Just some of his satisfied clients include: ExxonMobil, BP, Total, Reficar, Marathon, Valero, Sinopec, Repsol and others.

Career Experience

2014 to present

HF Alkylation Consultants –
VP Technology & Consulting Services

Oversee all areas of consulting engagements which include:

- Full API 751 Audits with existing protocol & best practice (RP 751).
- Customized Operator & Maintenance Training.
- Operating & Maintenance Procedures Production and Review.
- Turnaround Planning & Support.
- Chemical Cleaning Planning & Support.
- PSSR (Pre-Startup/Shutdown Safety).
- Project Engineering Proposals.
- Operational and Corrosion Issue Troubleshooting.

2007 to 2014

UOP – Principal Chemical Engineer

Key areas of focus include:

- Technology services specialist for HF Alkylation units worldwide.
- General troubleshooting.
- Safety and unit operability reviews.
- Project scoping.
- PSSR (PreStartup Safety Review).
- PSM/MOC (Process Safety Management/Management of Change) Support or Participation.
- Crafted Customized Operator & Maintenance training for HF Alkylation personnel.
- Technical Design Reviews for HF and Merox
- Patent Review Committee

2004-2007

ConocoPhillips Headquarters – Process Engineering
Licensing Specialist

Key areas of focus include:

- Technology services specialist for HF Alkylation, Delayed Coking and SZORB units worldwide.
- Technical Design Reviews
- New Unit Start Ups
- Design Basis Guarantee and Royalty Delivery
- Secrecy and Confidentiality Agreements
- Foreign and Domestic Licensing Agreements

1987-2004

Mobil, British Petroleum and ConocoPhillips – Refining
Management and Process Specialist

Key areas of focus include:

- Engineering specialist for HF Alkylation Unit
- Oversaw large groups of operators and contract personnel in various capacities
- Lead safety reviews, training and audits per API-751.
- Responsible for the day to day operation of numerous process units but primary expertise was with HF Alkylation
- Established new operating and maintenance procedures.
- Coordinated day to day operations, maintenance and production.
- Managed numerous capital projects
- Planned and executed equipment and unit outages & TARs.
- Created safety, operations and maintenance procedures.
- Developed and conducted training for Operations, Maintenance and Contract personnel.
- Managed safety equipment requirements (i.e. PPE improvements)
- Participated in and lead Process Safety Audits.
- Coordinated HAZMAT responder training and site HF specific emergency drills
- Member of the refinery EMT and Fire Brigade Teams
- Extensive Emergency Response Training and Lead