

HF Alkylation Services

Preventing a loss of containment requires understanding how equipment degrades over time and recognizing potential issues before they become bigger problems.

Becht helps refiners strengthen HF alkylation reliability through hands-on experience gained from working with HF units around the world.

Why Choose Becht?

Field-Proven Team

Average 40+ years of SME owner/operator experience

Trusted By Industry

Extensive experience supporting 95% of HF units globally

Standards Committee Leadership

Active contributors to API RP 751 and other key standards

Multidisciplinary Approach

PSM, MI, Operations, and Engineering, all on one team

This was hands down the most interesting training I've had in years. Tim and Jeff succeeded in providing a **full insight in HF alky technology**.

[Understanding] the link between the design and chemistry behind the HF alky process [was highly useful]."

– Yannick Wauters,
Process Operator, TOTAL Antwerp

What We Do

- **API 751 Audits:** Full-scope audits aligned with API RP 751 Rev 5, including protocol pre-population, on-site execution, and identification of Findings and OFIs with clear recommendations and customized closeout support.
- **Benchmarking & Corporate Gap Assessment:** Assess and compare practices across sites and identify systemic gaps and fleet-level priorities.
- **Inspection Program & MI Support:** Development and review of HF-specific inspection programs, CCD/IOWs, flange inspection, corrosion monitoring, and turnaround readiness.
- **Operator, Process Engineer, & Maintenance Training:** Site-specific, hands-on fundamentals training, including leak response, equipment prep, IOW awareness, and safe operations.
- **Risk Reduction & Mitigation Planning:** Support for HF RMP programs, mitigation system design/review, shutdown planning, and alternate technology evaluations.
- **Conceptual Design (FEL-0) For New or Upgraded Equipment:** Early-stage planning, scope development, and integration of safety, process, and MI considerations into front-end design decisions.

Contact | Tim Shepperd
<https://becht.com> | tshepperd@becht.com

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