

Workshop on H₂S Scavengers at Aalborg University Esbjerg

30 April 2024, Aalborg University, Campus Esbjerg, Niels Bohrs Vej 8A, 6700, Esbjerg

08:30 - 09:00

Welcome and coffee

- Presentation of the participants
- Objectives of the workshop

09:00 - 09:50

SLB

- The basics of H₂S-scavenging and H₂S-scavengers
- Operational experiences, typical challenges and learnings from field testing and evaluations

09:50 - 10:10: Break

10:10 - 11:00

AAU research and learnings on H₂S scavenging

- H₂S scavenging in produced gas by direct injection of MEA-triazine: chemistry and process engineering aspects (H₂S Scavenging Optimization - SCAVOP project)
- Spent and unspent H₂S scavengers - Chemistry and analysis (ZeroH₂S project)
- Recovery of MEA-triazine from spent and unspent H₂S scavengers via nanofiltration (ZeroH₂S project)
- Hydrothermal oxidation of spent H₂S scavengers (ZeroH₂S project, ZEROH₂S - DEMO project)
- Fouling issues in receiving refineries associated to the use of formaldehyde releasers (H₂S Scavenging Optimization - SCAVOP project)

11:00 - 12:00

Open discussion

- What is limiting the effect of H₂S-scavengers?
- Challenges (volumes, scales, deposits/gunking, Environmental Impact Factor associated to discharge)

12:00 - 13:00: Lunch break

13:00 - 14:00

Lab tour

14:00 - 15:00

Open discussion

- Identification of common challenges and priorities
- Possible technical solutions and how to bring them to field application

15:00 - 16:00

Opportunities for collaboration

- Identification of potential R&D projects between AAU, SLB and O&G operators
- Roadmap and timeline for starting new projects