EFFECTS
online training agenda

GEXCON

EFF

Knowledge makes the world a safer place ▶▶

Day 1 (EFFECTS)

08:00 – 10:00 (CEST /GMT +02:00)
- Introduction to consequence modelling
- Introduction to EFFECTS: Key elements and functionality
- Chemical database and using background maps

10:00 – 10:15 (CEST /GMT +02:00)
- Break / Q&A session

10:15 – 12:00 (CEST /GMT +02:00)
- Overview of models in EFFECTS
- Theory of release models
- Theory of pool evaporation models
- Theory of fire modelling

12:00 – 12:30 (CEST /GMT +02:00)
- Q&A session

Afternoon

Participants will have to simulate a series of practical cases on their own.

Questions about the exercises will be solved the day after.

Exercises that need to be done:
- Exercise 1: Liquid release
- Exercise 2: Gas release
- Exercise 3: LPG release
- Exercise 4: LPG top venting release
- Exercise 5: Long pipeline release
- Exercise 6: Pool evaporation

Day 2 (EFFECTS)

08:00 – 08:30 (CEST /GMT +02:00)
- Wrap-up Day 1/Questions about exercises

08:30 – 10:30 (CEST /GMT +02:00)
- Theory of dispersion modelling
- Theory of explosion modelling

10:30 – 10:45 (CEST /GMT +02:00)
- Break / Q&A session

10:45 – 12:00 (CEST /GMT +02:00)
- Receivers: vulnerable and congestion areas
- Theory of damage models
- Combined models: the easy way (predefined scenarios)

12:00 – 12:30 (CEST /GMT +02:00)
- Q&A session

Afternoon
Participants will have to simulate a series of practical cases on their own.

Exercises that need to be done:
- Exercise 7: BLEVE
- Exercise 8: Pool fire
- Case 1: Ammonia
- Case 2: Propane
- Case 3: Warehouse fire
- Case 4: Battery runaway
- Case 4: Hydrogen release
- Case 5: Tank overfilling

Questions?
Please email effects@gexcon.com