



## DIGITAL SOLUTIONS

# SAFETI OFFSHORE TRAINING

Course code: SA-15

Duration: 4 days

**Prerequisite:**

The course is suitable for new users and for users who maintain a knowledge of the purpose of process industry consequence analysis and risk analysis approaches.

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### DESCRIPTION

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Safeti Offshore is the new, world leading software tool for offshore quantitative risk analysis (QRA). This training course will give you hands-on experience in the software, creating an offshore unit and adding all of the elements required to perform a QRA. Beginning with building the physical structure, areas, decks and walls, you will begin to see the unit visualized in the 3D viewer of Safeti Offshore. The topsides process equipment will be added and inventory and failure frequency calculations will be performed.

The next step will use Safeti Offshores inbuilt time-saving case generation tool for systematic, automatic creation of all of your failure cases. These include creation of cases for dynamic discharge calculations which take account of success or failure of detection, blow-down and isolation systems.

Fire, smoke, and explosion calculations will be introduced and their results reviewed. The contribution of accidents to escalation, impairment and fatality will be assessed in the reporting tools. Amongst the many hundreds of thousands of possible hazardous outcomes, the fires, explosions, and smoke results can be seen in the 3D viewer. You will use the 3D environment to walk through the event with a timeline controller - with this you will understand how the event unfolds, watch the failure of walls and decks and see escalation of neighbouring containment causing fire spreading, or you may see that the safety systems were effective at mitigating the event.

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### LEARNING OBJECTIVES

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Upon completion of this course, you will have a broad understanding of the capabilities of Safeti Offshore and develop competence in its application to offshore consequence analysis and quantitative risk assessment projects.

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### TARGET GROUP

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Safety Engineers, Risk Analysts, Process Safety Engineers, Technical Engineers.