

SAFETI

Manage hazards for safe and efficient operations



DNV's Safeti software provides a user-friendly, industry standard method for carrying out quantitative risk analysis (QRA) of onshore process, chemical and petrochemical facilities or analysis of chemical transport risk. Safeti allows you to quickly identify major risk contributors. Time and effort can then be directed to mitigating these highest risk activities.

Manage risk throughout the asset lifecycle

Your management of hazards doesn't stop with consequence analysis. Accounting for the likelihood of loss of containment scenarios and performing risk analysis is a core function of any process safety professional.

Safeti models both consequences and risks in one interface, giving you the means for effective management of your hazards.

Evaluate key risk metrics for ALARP demonstration

Individual and societal risk metrics are provided as standard: location-specific individual risk (LSIR) contours, FN curves and potential loss of life (PLL).

Risk ranking points allow you to determine the risk at any location on your map and identify major risk contributors.

With flexible ways to setup your study and perform sensitivity studies, it's easy to evaluate the impact of risk reduction measures identified as part of your as low as reasonably practicable (ALARP) demonstration process.

Risk-based design for cost-effective operations

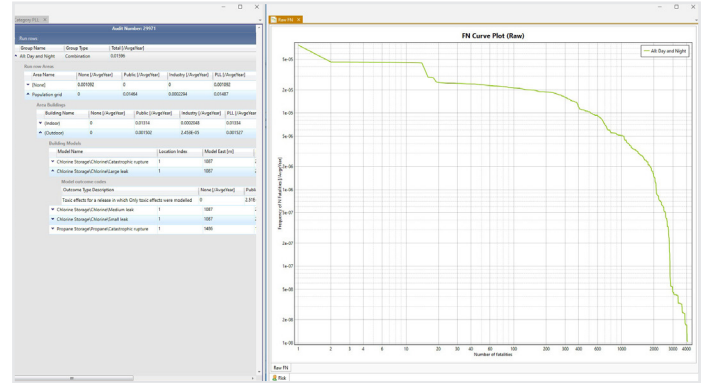
Why prevent the worst-case consequence when it has a one in a million chance of occurring?

Many regulations around the world allow for risk-based design, where risks are mitigated in areas where it matters most.

Safeti supports easy identification of the highest risk contributors, so that meaningful mitigation measures can be proposed by your stakeholders and evaluated further for their risk impact.



Individual Risk (IR) contours



Societal risk (PLL and FN curves)

Applications of Safeti

Safeti incorporates our Phast consequence analysis software and calculates risk based on user-provided leak frequencies, ignition data, weather data, populations and vulnerability data.

In addition to the applications of Phast, Safeti is great for:

- Cost-benefit analysis
- Fire and explosion risk assessment (FERA)
- Occupied buildings risk assessment (OBRA)
- Quantitative risk analysis (QRA)
- Risk-based design
- Sensitivity analysis

Safeti extensions

- Safeti Explosions for analysing explosions in three dimensions, directional modelling effects and visualization of combined effect contours
- Safeti Multi Component for advanced modelling of complex mixtures (e.g. two-phase releases)

Benefits

- Facilitates cost reduction in terms of losses and insurance
- Risk ranking and hazard zone identification for guidance concerning possible mitigation including operation, emergency response or land use planning
- Provides traceability and consistency in calculations
- Able to run comparison with user-defined acceptance criteria based on generated FN Curves
- Facilitates integration of QRA into your plant lifecycle management activities

Short and long term lease options available.

Please visit store.veracity.com/safeti or scan the code for more details:

