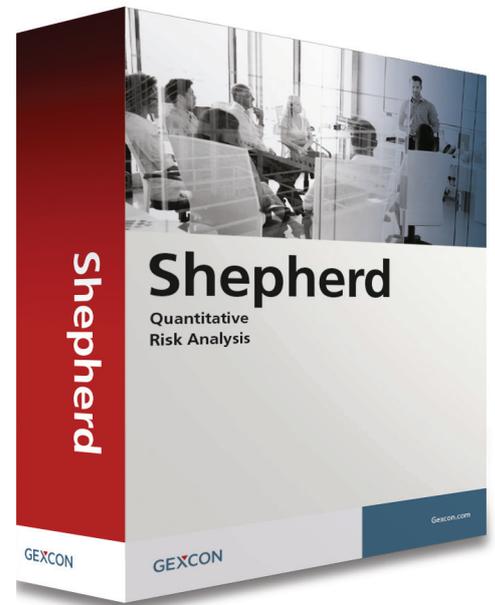


Quantitative Risk Assessment

Shepherd



Shepherd is Shell's Quantitative Risk Assessment tool for onshore facilities and operations.

It allows fast and reliable predictions of risks related to incidents such as the release of flammable or toxic fluid, fires and explosions.

Shepherd has been continuously developed and validated by Shell since the 1990s and has been relied upon by oil, gas and petrochemical operating companies, engineering contractors, insurers and regulators.

Its easy-to-use, high quality interface enables data to be imported from multiple sources so models and parameters can be exposed to accurate case data.

Previously only available for use on Shell projects, it can now be universally applied to any facility, streamlining resources and maximising value.

Key Benefits

- At-a-glance overview of the risk picture
- Analysis of accurate site-specific operational practises rather than generic
- Sensitivity analysis for layout options
- Ability to import data from multiple sources
- Allows users to easily document and record their design options and decision-making.
- Transparent tracking of the decision making process
- Allows operating companies to maintain control of risk analysis performed by consultants and engineering contractors

Uses and applications

- Quantitative Risk Assessment
- Facility layout optimisation
- Domino effects / escalation management studies

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Gexcon

A world-leading company in the field of safety and risk management and advanced dispersion, explosion and fire modelling.

Shell

Shell is an international energy company that aims to meet the world's growing need for more and cleaner energy solutions in ways that are economically, environmentally and socially responsible.

