

PHAST™ and SAFETI

Explosions add-on

Taking explosion modelling one step further



Efficient explosion modelling

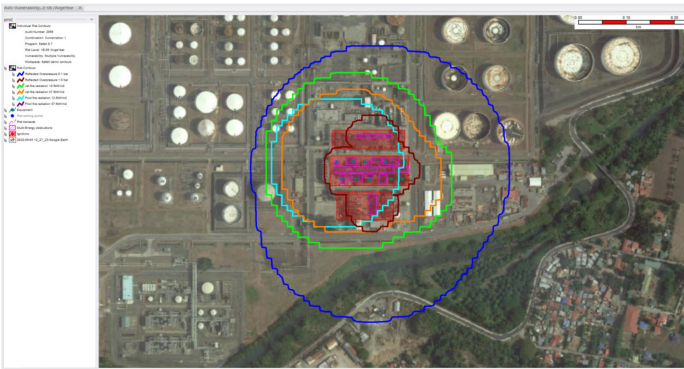
The Explosions add-on brings more detailed and extensive consideration of explosion consequences in comparison to the standard versions of Phast and Safeti.

It has advanced vapour cloud explosion modelling (VCE) capability that considers flammable cloud interaction with congested regions within process plants. This allows for a more realistic consideration of the explosion hazards.

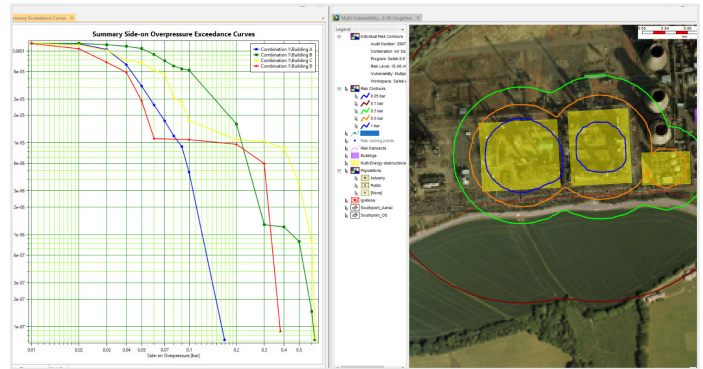
Inherent safe design

A key feature of this Phast and Safeti add-on is the ability to plot combined effect contours from multiple scenarios. This makes it easier to visualize, communicate and interrogate results associated with a range of hazards.

Combined effect contours can be plotted for overpressure, impulse, thermal radiation and toxic concentrations, facilitating the layout and design of equipment and buildings.



Combined effect contours from multiple scenarios



Exceedance curves and risk effect contours in Safeti

Occupied buildings assessment

The Phast and Safeti Explosions add-on uses both the Baker-Strehlow-Tang (BST) and Multi-Energy (ME) explosion models, offering options for modelling vapour cloud explosion hazards.

To facilitate comprehensive assessments, the add-on includes Points of Interest in Phast and Risk Ranking Points in Safeti. These features allow users to obtain critical results, such as worst-case explosion, at specific locations.

Additionally, the add-on supports design of buildings in accordance with guidance like the Chemical Industries Association (CIA) and API Recommended Practices 752 and 753.

Risk-based design

The Safeti Explosions add-on allows you to define building categories with different vulnerabilities, providing a more accurate QRA.

In addition to standard risk results, the Safeti Explosions add-on provides exceedance curves and risk effect contours to support risk-based decision-making.

Short and long term lease options available.

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

