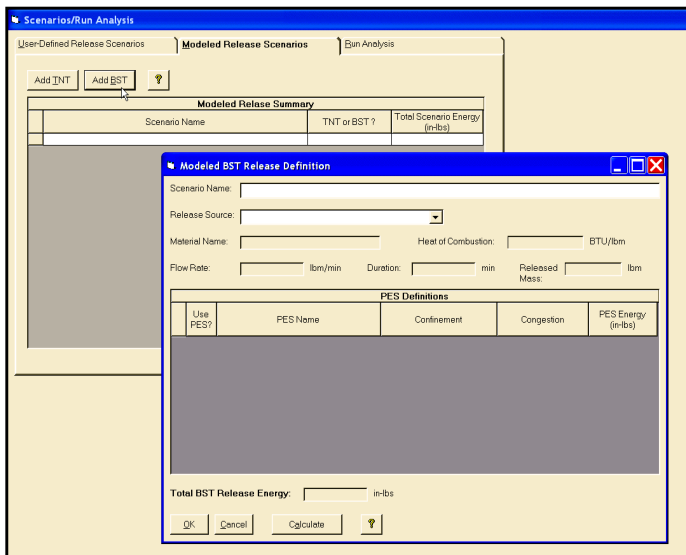


The continuing trend towards the construction of single train, highly integrated and world-class size process units increases the potential for greater property damage and business interruption losses. BakerRisk's MaxLoss™ model provides an easy and consistent means of quantifying these loss potentials.

- ◆ *Aids Insurance Risk Engineers in development of credible loss estimates from fire or explosion hazards by analyzing thousands of potential event locations*
- ◆ *Assists Risk Managers in establishing reasonable property damage and business interruption insurance limits with higher confidence*
- ◆ *Helps Insurance Underwriters understand potential financial exposures*

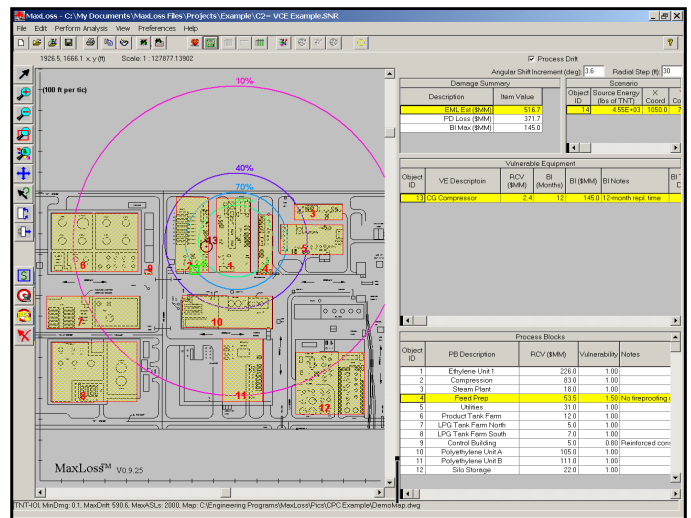
utilizing the program's "drift" feature. The drifted analysis is accomplished by quickly computing property damage and business interruption at thousands of analysis shift locations and reporting the worst-case scenario.

MaxLoss™ is flexible, utilizing a powerful map-based Graphical User Interface (GUI) that allows easy import of complex CAD files and images which facilitates rapid identification of assets and release sources. Release source parameters are automatically calculated through a comprehensive discharge model utilizing the DIPPR database but an option to utilize user-defined input provides additional flexibility. The state-of-the-art Baker-Strehlow-Tang (BST) methodology can be used to estimate explosion effects, or the user may choose to base the analysis on the more traditional and often conservative TNT Equivalency.



MaxLoss™ Scenario Definition

Analysis methods include the BST flame speed approach, providing consistency with other consequence analysis studies.



MaxLoss™ Calculation Screen

Scenarios are quickly defined through the graphical user interface. Process blocks, buildings, vulnerable equipment items and release sources are easily created.

MaxLoss™ allows the risk professional to eliminate the guesswork of defining a worst-case loss by



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About BakerRisk

Baker Engineering and Risk Consultants, Inc. is one of the world's leading explosion analysis, structural design, and risk engineering companies. BakerRisk provides comprehensive consulting, engineering, laboratory and range testing services to government agencies and private companies who are involved with dangerous, highly hazardous, reactive, or explosive materials.



Blast Effects & Explosion Testing



**Dynamic Structural Analysis
and Design**



Risk Engineering



Process Safety



Incident Investigations



**Reactive Chemicals Testing &
Management Systems**

www.BakerRisk.com

MAXLOSS™
Loss Estimating Software

FEATURE LIST

EXPLOSION ANALYSIS METHODS

- Traditional TNT Equivalency approach
- Baker-Strehlow-Tang (BST) methodology (accommodates multiple zones of congestion and confinement)
- Source parameters can be directly input or automatically calculated through a comprehensive discharge model
- Bursting pressure vessel analysis
- Material properties are based on the DIPPR database and both single components and mixtures can be analyzed

WORST-CASE LOSS ESTIMATES

- Static loss estimates
- "Drifted" analysis quickly computes property damage and business interruption at thousands of analysis shift locations and reports worst-case scenario
- Third party liability estimates

POWERFUL MAP-BASED GRAPHICAL USER INTERFACE (GUI)

- Allows users to import a variety of photographs, computer aided design (CAD) files, and many other graphical images
- Process blocks, buildings, vulnerable equipment items, and release sources can be easily created

Special Features

EVALUATES EFFECTS OF SMALL (HANDCARRIED) OR LARGE (VEHICLE) HIGH EXPLOSIVE CHARGES

- Used in developing terrorism loss estimates

INCLUDES STATE-OF-THE-ART EXPLOSION BLAST LOAD MODELS

- Developed by BakerRisk through the Explosion Research Cooperative



Flammable Vapor Cloud Explosion Test

CONTAINS LINKS TO BAKER RISK'S SAFESITE_{3G}™ AND FIRE CONSEQUENCE MODELS

- Enables more rigorous consequence analysis