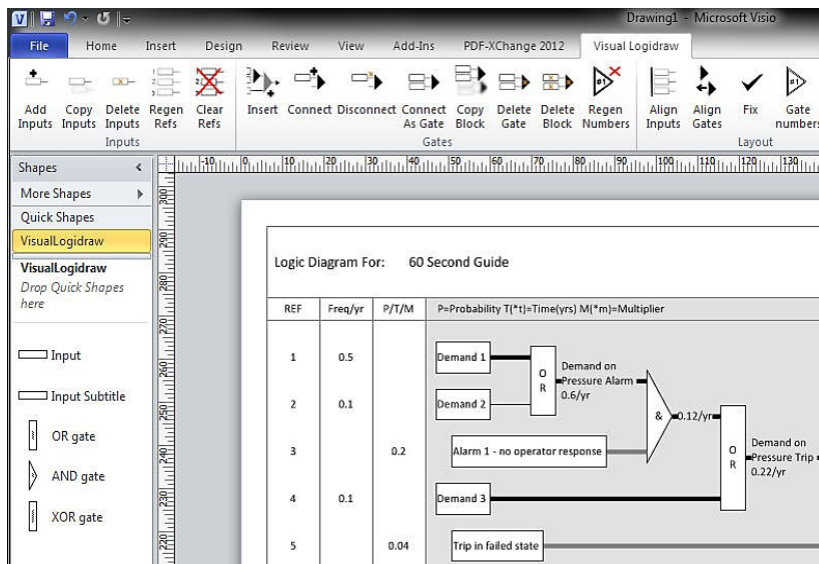


# PEL Visual Logidraw

## For fault diagrams (new version)



Updated software improves flexibility of models created in Logidraw.

Logidraw is an application for drawing fault and event trees. The original version has over 17 years of distinguished service but now ABB has released a new version that has been developed as an 'Add-In' for Microsoft Visio. This update improves on the flexibility of models created in Logidraw, and incorporates the most popular changes that clients have been asking for.

Fault tree analysis involves drawing a logic diagram to show the logical links between certain failure (basic) events, such as operator error or component failure, and an undesired outcome (top) event, such as an explosion at an oil storage depot.

The diagram can then be used in two ways:

- **Qualitatively** - to show the combinations of basic events sufficient to cause the occurrence of the top event
- **Quantitatively** - to estimate the probability or frequency of an event

Logidraw helps you create fault tree diagrams by adding each of the basic failure events as a series of inputs and then linking them using AND and OR logic gates. Each input can be quantified typically as a probability or a frequency, with the output of the final gate providing a frequency for the final (undesired) outcome.

### General features

- Visio based drawing tool for fault tree diagrams
- Fully automatic left to right layout
- Automatic checking of Logic validity
- Automatic input sensitivity calculation

### New features

- Combines the rich functionality of Visio with the automatic layout functionality of Logidraw
- Copy, cut, move, and paste fault tree logic to any part of the Visio drawing. Then use the automatic 'fix layout' action to layout the diagram
- Copy and paste any part of the fault tree logic into Word and most other Windows applications
- Change fonts, line colours and styles, background colour, input and gate spacing, label orientation etc. It is also possible to use a different shape palette rather than modify the supplied one
- Use Visio to add arbitrary diagram annotation, background images etc. to your fault tree diagrams
- Create a standard template file, and save your favourite display and layout settings for next time
- Logic can be constructed on multiple pages
- Use the inbuilt capabilities of Visio to print to 1 sheet or span across multiple sheets
- Export to Logidraw LDR file format

### Requirements

Works in ALL versions of Visio from 2003 onwards.

### Benefits

- New version improves flexibility of models created in Logidraw
- A common fault tree that maximises the involvement of others and helps develop a correct hazard analysis
- Saves time by eliminating tedious manual drawing and redrawing of fault trees as they are developed and modified
- Hazard analysis is always logically valid because Logidraw allows only logically feasible combinations of events

### Why ABB?

We are leading Hazard Analysis (HAZAN) experts, having completed hundreds of HAZAN studies, fault trees, LOPAs etc. We run IChemE accredited HAZAN and SIL courses and have trained hundreds of engineers.

We pride ourselves on the quality of the support service we offer. The licence agreement provides unlimited hotline support via email and phone.

The software is extremely easy to use and you can be up and running within minutes. Our range of training documentation includes a 60 Second Guide, reference guide and full user manual to ensure that you get the most out of the software.



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