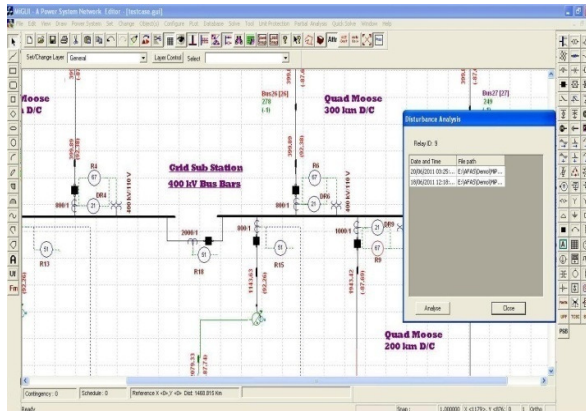


Introduction

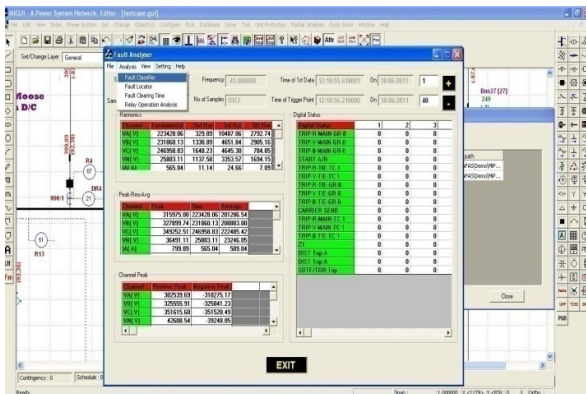
MiPower Fault Analysis System (MiFAS) is a unique package which helps in analyzing the system conditions during disturbances. MiFAS is aimed at performing various major type of analysis such as fault identification, fault classification, fault location, fault signature analysis and relay operation analysis.

MiFAS



- Inputs are considered as per IEEE standard C37.111-1991/99 COMTRADE format.
- Selection among various input files.
- Creation and Editing of network.
- Facilities for both Manual and Automated mode
- Deriving various quantities as an output such as rms, peak, average, harmonic content etc...
- Options to provide various level of analysis.

Types of Analysis

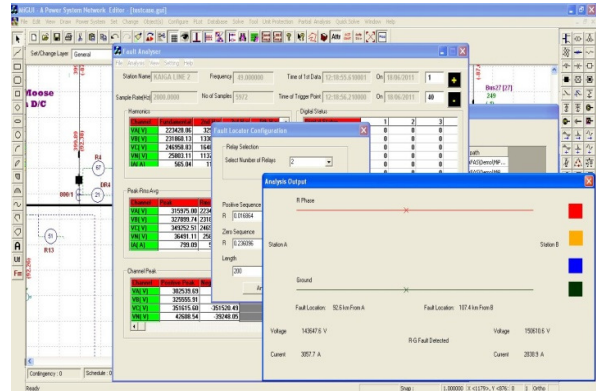


The package provides various types of analysis such as:

- Fault Classifier
- Fault Locator
- Fault clearing time
- Relay operation Analysis

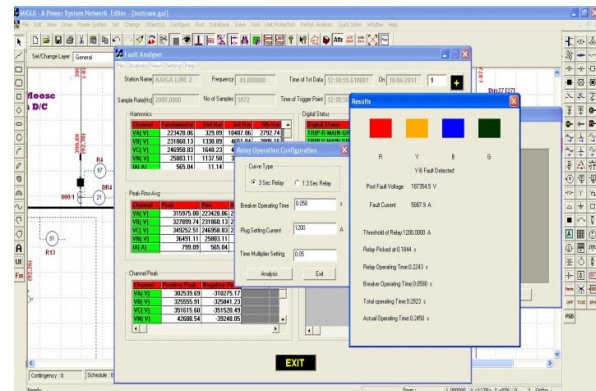
Fault Classification and Location

- MiFAS effectively differentiate between normal and abnormal conditions in the system.
- Analysis provides classification for various type of fault.
- Provides location of the fault on the transmission line by using both single ended and double ended algorithms.

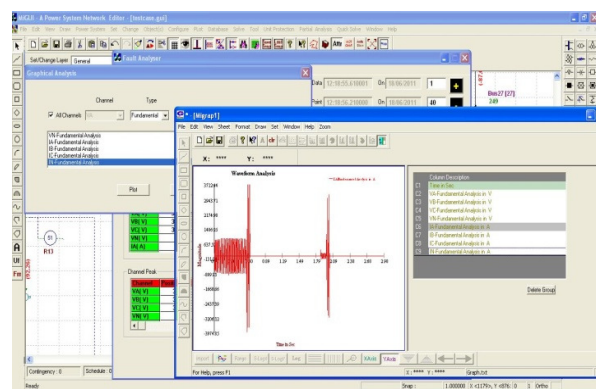


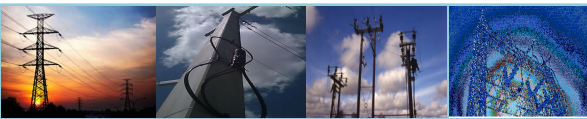
Relay Operation Analysis

- This analysis can be utilized to verify various protective schemes.
- It can assess the performance of protective schemes under critical situations

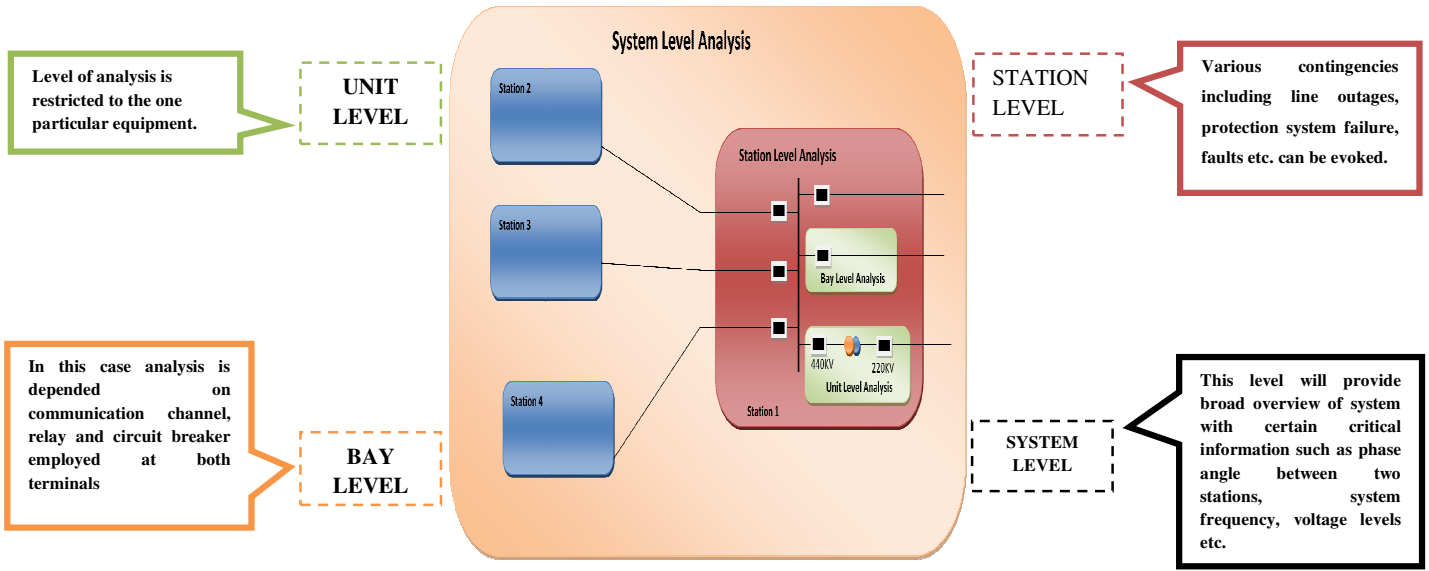


Graphical Analysis





Four Levels of Analysis



Description of Analysis

