

## SKM Power\*Tools For Windows Electrical Engineering Software

SVRI is distributor in the Netherlands of SKM Power\*Tools for Windows (PTW) software. SKM Systems Analysis develops and improves electrical power system analysis software. The company is settled in Manhattan Beach, California (USA). The most popular modules in the Netherlands are included in this leaflet.

### DAPPER - Integrated Electrical Analysis Software

Load flow calculations and comprehensive short circuit calculation (not according to the IEC or ANSI standards) are the most important calculations in DAPPER.

DAPPER contains also a graphical interface to design One-Line Diagrams, a Component Editor and a library for the input of data. All other modules are optionally delivered in combination with DAPPER.

DAPPER is available for 50, 100, 300, 1000, 2000 and 5000 buses (nodes). For industrial use we recommend at least 300 buses. More extensive industrial distribution networks might require more buses.

### IEC\_FAULT 909 - Short Circuit Study

With IEC\_FAULT 909 you can make short circuit calculations according to the IEC 60909. This standard is normally used in Europe.

### IEC\_FAULT 363 - Short Circuit Study

With IEC\_FAULT 363 you can make short circuit calculations according to the IEC 61363. This standard is especially used for maritime applications (ships, offshore).

### TMS - Transient Motor Starting

TMS simulates transient motor starting. The simulations are presented graphical in the time

domain. If your grid has its own power generation and the influence of the turbine and generator control can not be neglected, the simulation should be done with I\*SIM.

### CAPTOR - Time-Overcurrent Coordination

With CAPTOR you can execute selectivity studies and determine settings of overcurrent and earth fault protection relays. CAPTOR presents graphical current/time (It-)diagrams.

### HI\_WAVE - Harmonic Investigation

HI\_WAVE is used for Load Flow calculations of harmonics in the current and voltage. The software module can be used to evaluate corrective filter designs before they are installed.

### I\*SIM - Dynamic Simulation and Transient Stability

I\*SIM simulates the dynamic response of symmetrical disturbances in a weak grid, like utility failure or a generator trip and motor starting. Turbine speed governors and generator excitation controllers have to be modeled.

### Local Area Network (LAN) Options

A Single User License allows one user at a time. A Multiple User License allows multiple, separate program modules to be accessed at the same time by different users. Simultaneous User License allows a single program or multiple program modules to be accessed at the same time by multiple users.

### For more information...

... please visit our website [www.svri.nl](http://www.svri.nl) or contact Hans Stutvoet M.Sc..