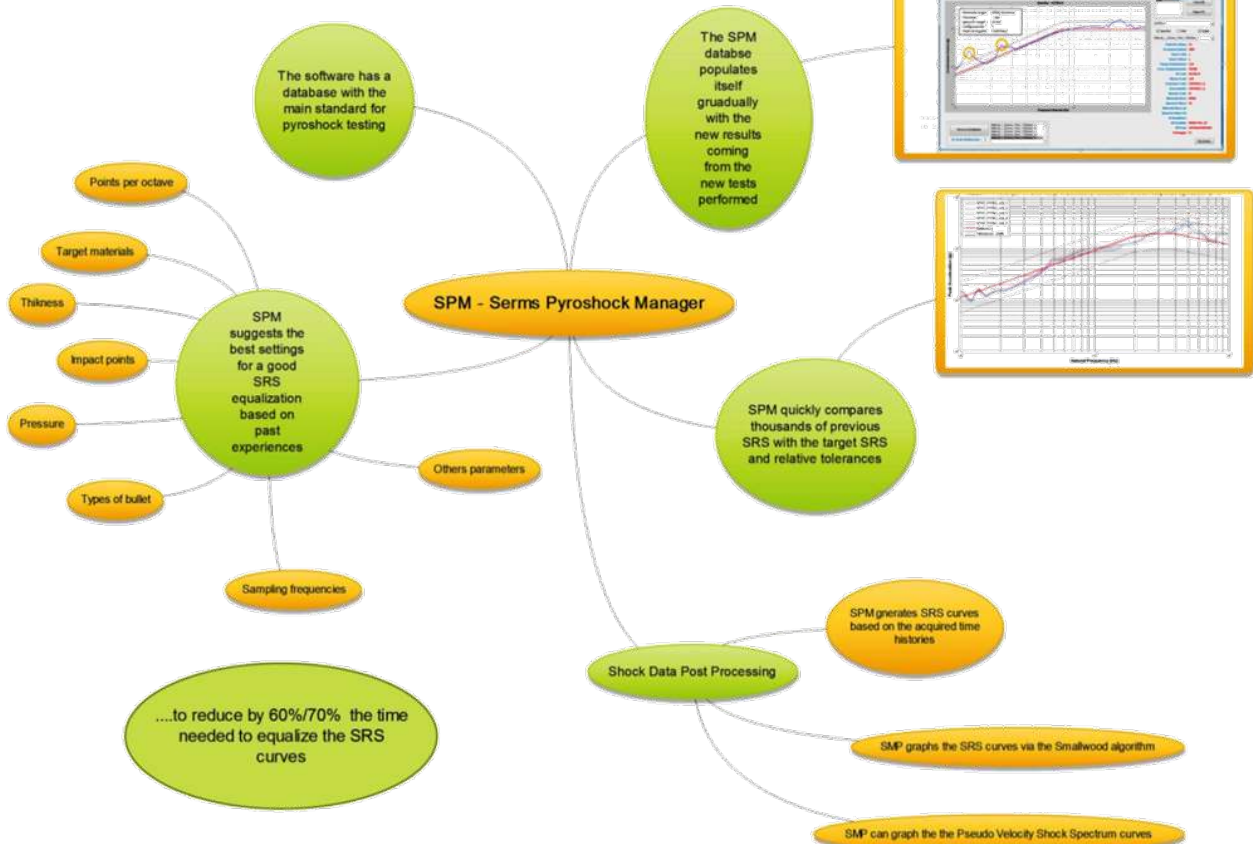
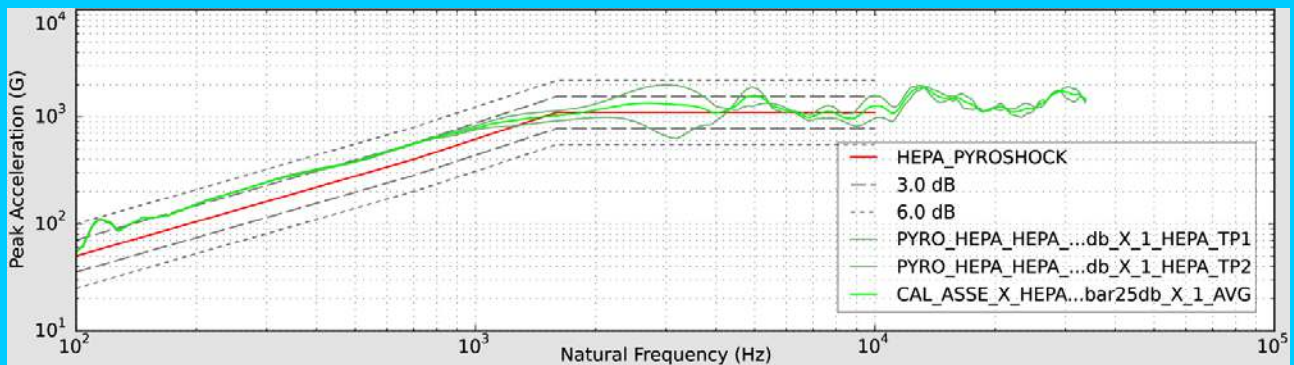
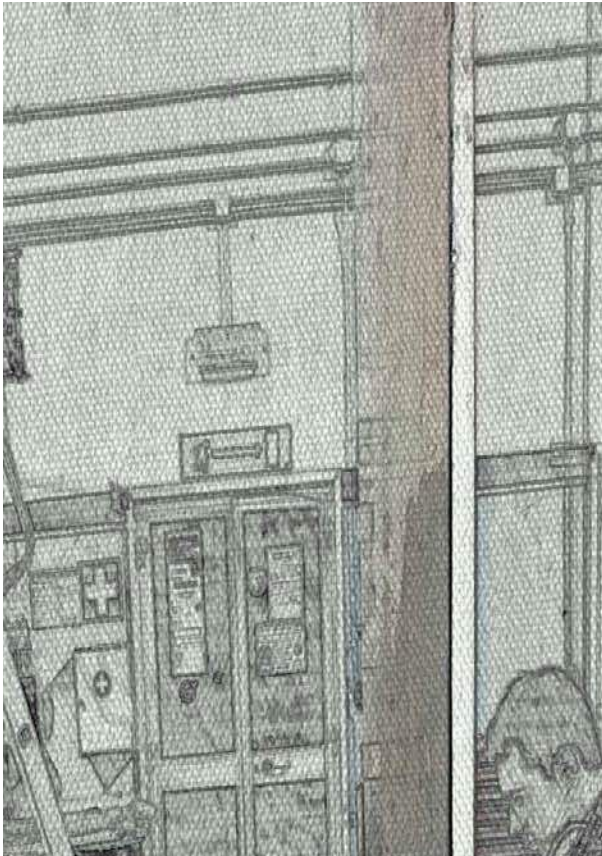


# SPM - SERMS PYROSHOCK MANAGEMENT

SPM is a software created to strongly accelerate the pyroshock testing equalization of the SRS within the relative tolerances. It uses a DB which progressively populates based on previous measurements in order to quickly suggest the calibration settings of the simulator. With SPM, the time needed for an equalization can be reduced by 70%. SPM is also very useful to allocate a proper time slot to do a qualification and, consequently, to accurately define a budget for the test campaign.

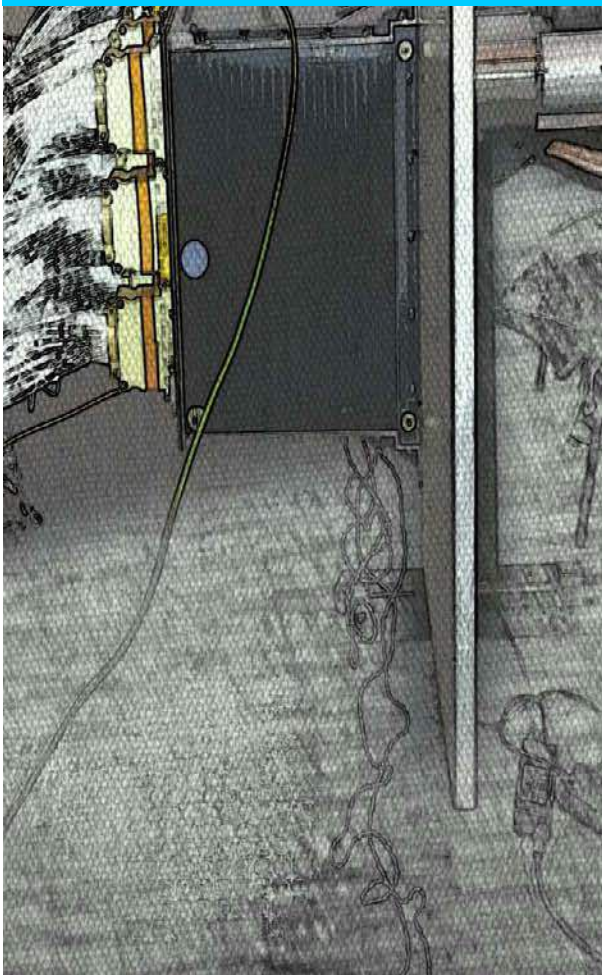




- Installer for MS Windows and GNU/Linux
- Easy activation: no need to install auxiliary license management tools
- Life-time license, no expiration date
- Friendly and intuitive user interface
- Database population via UNV/UFF (universal file format) or two columns text files
- Great compatibility: the software is compatible with any software able to generate UNV/UFF files
- The curves can be quickly imported by the "Fast add" feature
- Previously created SPM databases can be imported
- The importation algorithm automatically recognizes and merges the curves of the reference accelerometers of the same pyroshock event (doing the average)

## SERMS PYROSHOCK MANAGEMENT

### Main features



- Easy and intuitive search menu: it allows to choose the maximum number of points over the specification target, the number of results to be displayed
- The result window enables the user to rapidly skip through results
- All the set up parameters used for the test as well as the acceleration peak of the time history can be displayed
- Axis ranges can be freely set by the operators
- The graph can be exported in vector graphic for a practically infinite zoom capability without quality loss and using only a few bits
- Easy set up of specification curves with one or two tolerance bands changeable in different parts of the spectrum
- Complex search algorithm based on several criteria (e.g. Average SRS between two or more points, the percentage of the points greater than the nominal test reference)
- HDF5 database with a high degree of compression and post processability with dedicated HDF5 tools