NoiseMap fi√e

Comparison with NoiseMap Enterprise

NoiseMap fi√e is the upgrade that users of NoiseMap Enterprise have been waiting for. NoiseMap Enterprise users can use their existing noise models and get their results in the way that they are used to, whilst having advanced new features.

New features for NoiseMap Enterprise users include:

- RoadNoise/ RailNoise/ SiteNoise integrated into a single model;[*]
- Practically unlimited model size;[**]
- Five to ten times faster calculation with multi-core option;
- Fully automatic model creation from suitable digital mapping and GIS;
- Full modelling of buildings — buildings are treated as solid objects;[***]
- No need to enter buildings separately as noise barriers;
- Intelligent noise contouring round buildings – noise contours spread correctly around building outlines;
- Intelligent automatic generation of receiver points around building outlines;
- Multiple scenarios stored – no need to remember which file belongs to which scenario;
- Intelligent storage of results in model database – no need for separate results files;
- Persistent properties windows for all objects – click on any object and immediately see its properties;
- Automatic linking of properties windows – e.g. click on a site workings and immediately see the activities and plant;
- Spreadsheet-style editing of many properties windows;
- Additional calculation methods, including L_{den}, (UK and Irish methods) & octave band calculations in *SiteNoise*;
- Calculation options are remembered in the model;
- Import and export of models and results from spreadsheets and shapefiles;
- Transfer results to and from Enterprise using archive files;
- Command interface (scripting interface) automates repetitive operations;

Differences from NoiseMap Enterprise

NoiseMap fi√e uses a different method of storing models and results, compared with NoiseMap Enterprise. The results are stored locally or on any network in a 'flat-file' database that looks like any other computer file to the user. It doesn't require any set-up or administration system.

The old 'mnemonic' or keyword storage format is not used by NoiseMap fi√e, but files in this format can still be read by NoiseMap fi√e, and it can export archive files that can be read by Enterprise. You can still create models by assembling a variety of object files into a Masterfile.

Benefits of full database server system

The full database server system still offers advantages to many users. These include:

- Faster operation on very large databases
- Distributed processing
- Simultaneous access by any number of users (collaborative working)
- User access controls
- Secure access over internet connections

These advantages can be important on large projects, particularly with the increased processing and results storage needs of hourly noise levels.

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* Each calculation option is separately licensed

** Enterprise was limited to 16,000 instances of each type of object

*** Enterprise you have to enter the building walls as if they are noise barriers

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