

TrasguNET

The TrasguNET Software is commercially marketed in three modules:

Design Module

- This contains the tools for modelling the zone:
 - Introduction of the map.
 - Definition of views.
 - Definition of sources.
 - Assignment of sensors.
- It can be used any number of times.
- It generates .fdp modelling files.

Calculation Module

- It serves to generate the calculation files.
- It is in the Network and its use is on request.
- The resource is provided for a specific time and job.
- Once the adjustment and the pre-calculation of the model are finished, the .pre files are provided.

Map Generating Module

- This is an engine which generates the previously requested maps.
- With the data from the sensors it recalculates the maps.
- It resides in the Web which supports the map.

Environmental Noise Prediction Software

TrasguNET performs calculations in accordance with the EC Directive on ENVIRONMENTAL NOISE



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Proceso Digital de Audio

Environmental Noise Prediction Software

TrasguNET

Generation of dynamic noise strategic maps.
 Generation of incident maps of noise sources in the environment.
 Prediction of interior sound pressure levels in industrial premises.



TrasguNET has been developed to fulfil the requirements of the "Management and Evaluation of Environmental Noise" Directive (2002/49/EC) and that described in the National Noise Law (Law 37/2003), fulfilling the recommendation of the Commission of 06/08/2003 with regard to the methods of calculating to be used in the predictive software for the distribution of sound levels.

The TrasguNET software calculates the distribution of sound levels produced in geographical areas, in terms of the topography of the terrain and of the sources of noise existing in it. It updates the power of the sources in terms of measurements performed on the ground in real time by means of Type I or Type II sonometers which are integrated in the monitoring networks of the Environmental Noise Supervisory Systems (SSMmR) of Proceso Digital de Audio, and which gives the sound pressure distribution existing in the area in question, expressed in the equivalent level of the period considered.

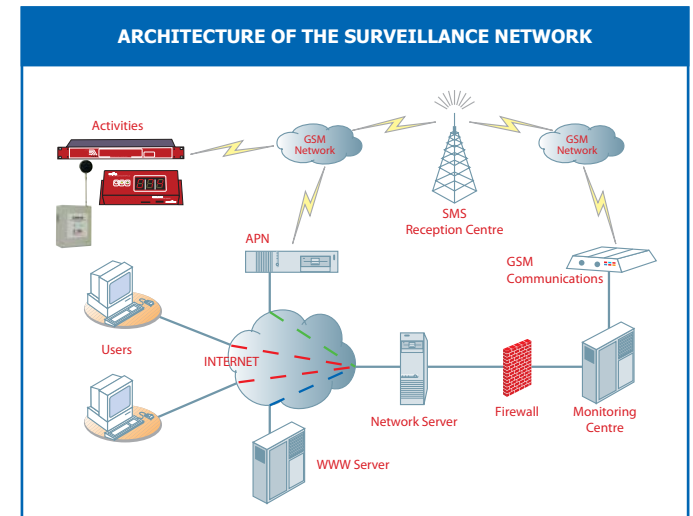
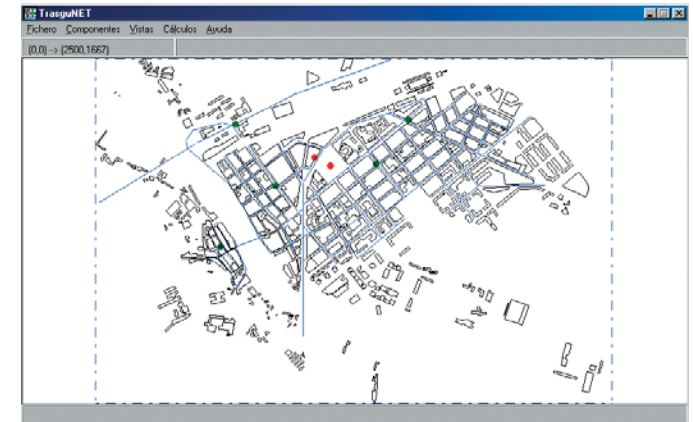


Access to the topographical maps is carried out by means of DXF files, other digital formats or manually. On the map, the noise sources are marked and characterised by:

- Lineal sources.
- Specific sources.
- Sources enclosed in areas.
- Radiant maps.

These sources are characterised so that their sound levels can be evaluated, for which we use the inverse method of prediction (knowing the sound pressure level produced at a point, the sound level of the source is evaluated).

The application gives us a graphical result in .jpg or .bmp format, with the equivalent levels of the period estimated on the calculating grid. The results are also presented in .txt or .xls files with the coordinates of the point and the level calculated at the different heights. This serves as a link with other geographical representation applications (GIS).



SDR 500



EQD



SDR 100