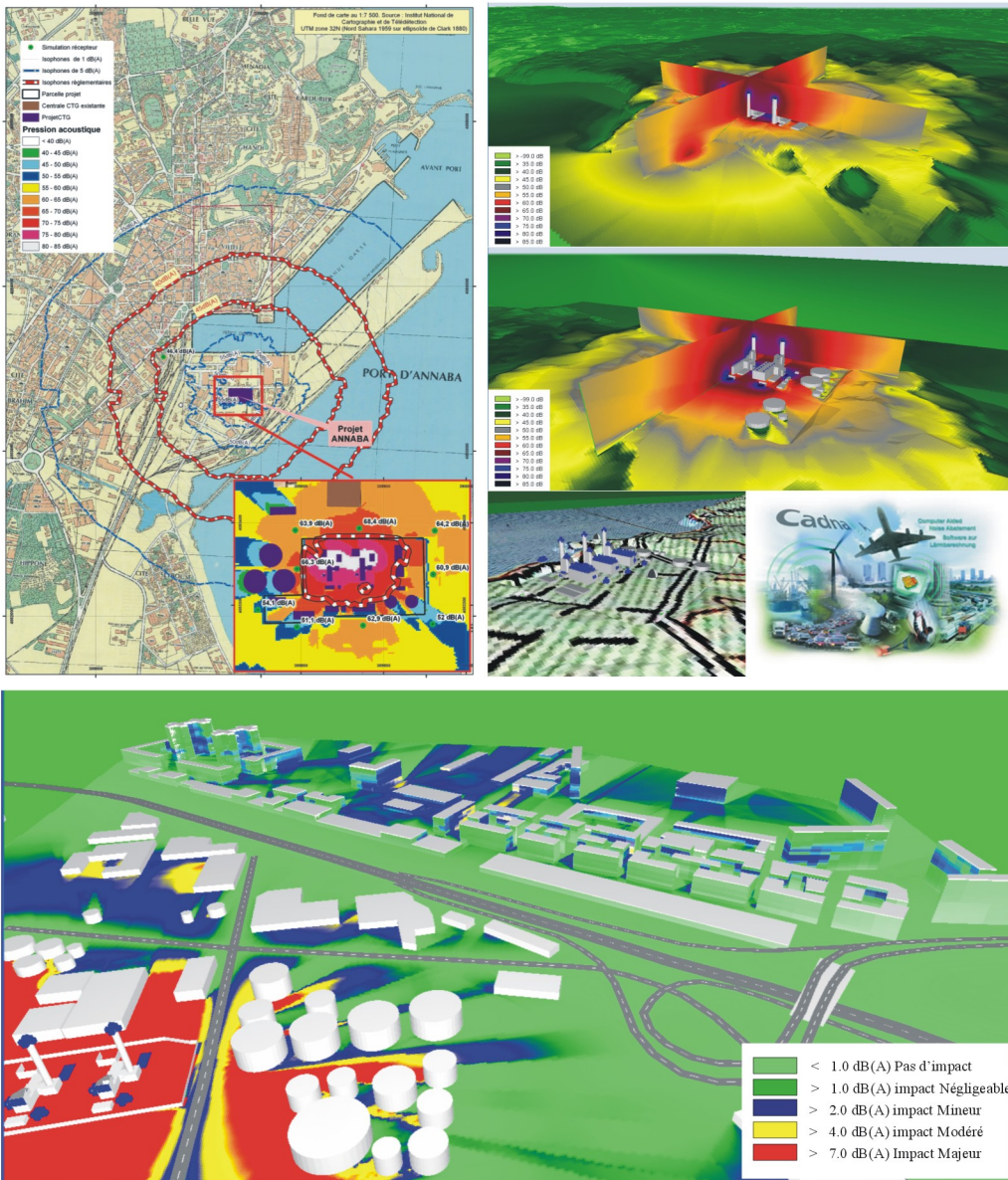


Acoustic modelling and mapping



Sogreah Magelis' prestation

Sogreah assists its clients by conducting environmental noise modelling studies in the framework of:

- Environmental Impact Assesment
- Application for licence to operate

Noise prediction is based on the calculation of the sound power level and of sound propagation from the source to the receiver; this calculation is a key tool for Environmental Impact Assessment. In addition, engineering measures for noise abatement can be calculated with models. Therefore SOGREAH Magelis can provide assistance for the design of industrial projects.

SOGREAH Magelis performs noise modelling using the **CadnaA** software (developed by Datakustik), a Class 1 measuring chain (**Solo**, 01 dB Metraavid) and noise mapping using GIS tools (**ArcGis**).

CadnaA prediction software, is a benchmark tool in the field of environmental noise mapping, for both transport and industry. CandaA covers most of the computation modules for industrial projects (including roads and railways) and is in compliance with international standards, such as ISO 9613-2 and NMPB96.

Mapping and outputs complies with the requirements of European directive 2002/49/CE.



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