NoisePlatform

APPLICATION SHEET
A_SW101_03_v0001_20160512_EN

SMART CITIES

THE CHALLENGE: To reduce noise pollution in towns and cities

Citizens' concern with noise pollution in cities is increasing all the time: heavy traffic, alarms, sirens, selective waste collection, etc.

This has led local administrations to be increasingly more committed to the control noise. For this purpose, strategic noise maps are produced and action plans are implemented.

The evaluation of the effectiveness of these action plans and noise level monitoring in excessively noisy or quiet areas requires new economically sustainable tools that provide sufficiently dynamic information in order to respond flexibly to citizens' demands.

THE SOLUTION: NoisePlatform generates comparative reports before, during and after the action plans

NoisePlatform facilitates the deployment of a network of sensors in the areas studied in order to collect and store real-time noise level data.

Moreover, different time periods can be compared in order to track the noise reduction as a result of the action taken.

NoisePlatform can characterise annoying or unwanted noisy behaviours, generating time patterns of over-the-limit repetitions. It also identifies random cases of excessive noise that cannot be detected by sporadic or one-off measurements.

BENEFIT: Improve environmental quality levels and drive forward in sustainable city design

The continuous generation of reliable data for monitoring action plans enables the rapid assessment of these plans' effectiveness and the taking of decisions regarding their continuance, thus saving time and economic resources.

NoisePlatform generates the most effective action plan in the shortest possible time.

Moreover, the information produced can be used to carry out information, awareness-raising and citizens' participation campaigns related to noise pollution.

APPLICATIONS:

- Selective waste collection services control
- Noise control in hospitals: Arrival of ambulances or medical helicopters
- Inspection of the construction of urban infrastructure: underground, sewerage systems, etc.
- Verification of the timetable and proper use of leisure areas for dogs
- Evaluation of loading and unloading activities