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Graffiti Buster™

Acoustic Detection of Graffiti Spraying

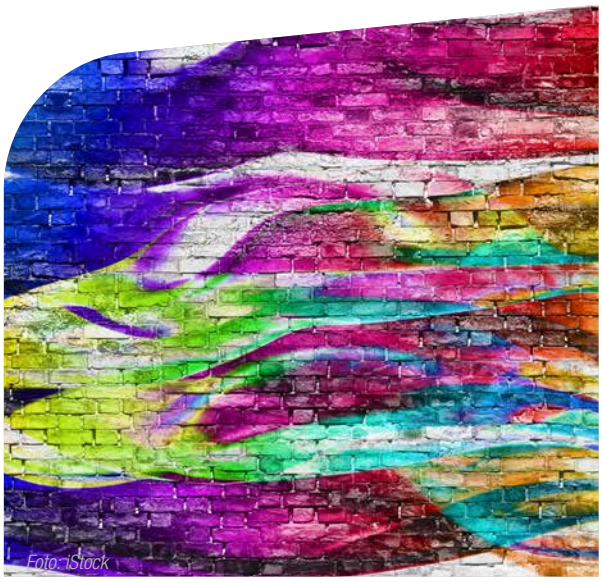
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Foto: Pixelio.de, Rike


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THE INNOVATION COMPANY

Graffiti Buster™

Graffiti causes both high economic and image costs for companies and public institutions. Rapid detection of graffiti spraying and alerting is essential if the costs of repair are to be minimized. The acoustic monitoring of the object and its environment by Graffiti Buster™ can reliably detect the sound of a can being shaken and the act of spraying itself.

Graffiti ...

- Damages all kinds of infrastructure and rolling stock
- Causes high cleaning costs
- Leads to loss of revenue
- Results in considerable image loss

Graffiti Buster™ ...

- Alerts within 2 seconds of start of spraying
- Warns when shaking of a can is detected
- Prevents damage to infrastructure
- Works day and night in all weather conditions (even in fog!)

And how?

- Using microphones to detect sounds
- Automatically classifying sounds using machine learning algorithms
- Sending messages to a control centre

Integration

- Embed miniature and inconspicuous microphones in your building or rolling stock
- Unobtrusive installation
- Dust and waterproof according to IP64

Customer Scenarios

Railway

Foto: Gerhard Frassa/pixelio.de

- Miniature microphones installed either on rolling stock or infrastructure
- Reduce loss of service due to cleaning

Public spaces

Foto: Michael Ottersbach/pixelio.de

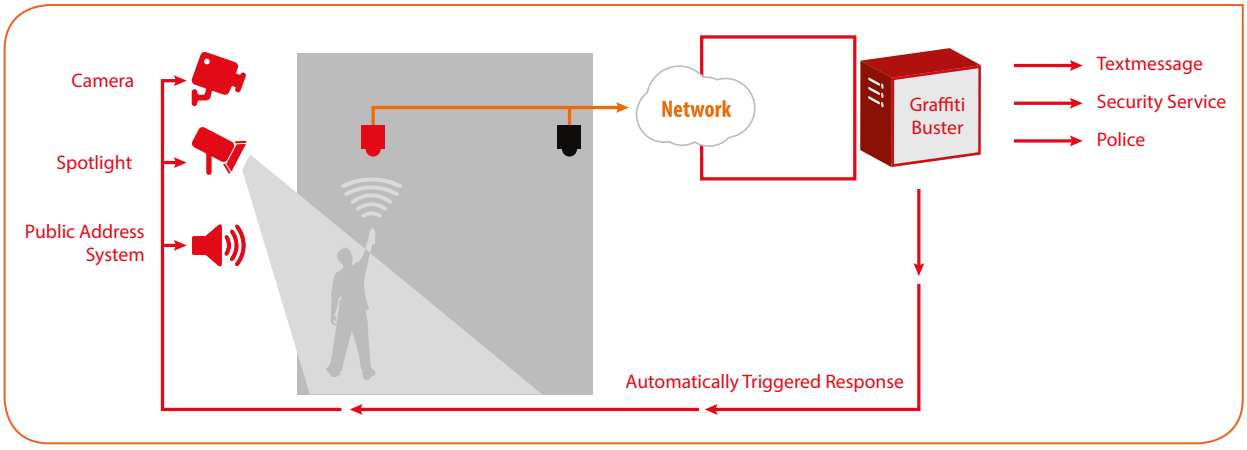
- Weather-proof miniature microphones
- Maintain value of the building and its location

Indoor locations

Foto: CFalk/pixelio.de

- Increased feeling of safety
- Discreet sensor design – less obtrusive than cameras

How it works



Specifications

- Detection range per microphone: up to 40 m (depends on environmental conditions)
- Protection class: IP64
- Operating temperature: -20°C to +50°C
- Sensor dimensions H x W x D: approx. 80x80x30 mm
- Sensor weight: approx. 500g
- Audio transmission protocols: RTP
- Alarm Interface: TBD together with customer
- Power supply for sensor: power over IP, 110VAC, 230VAC, 12VDC, 24VDC

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