Visual Graffiti Detector(VGD)

For Hamburg Urban City
(The story is fictional!)

Tom Ruge
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Problem: So Far

Hamburg City Camera System

Manual Checking of Graffiti
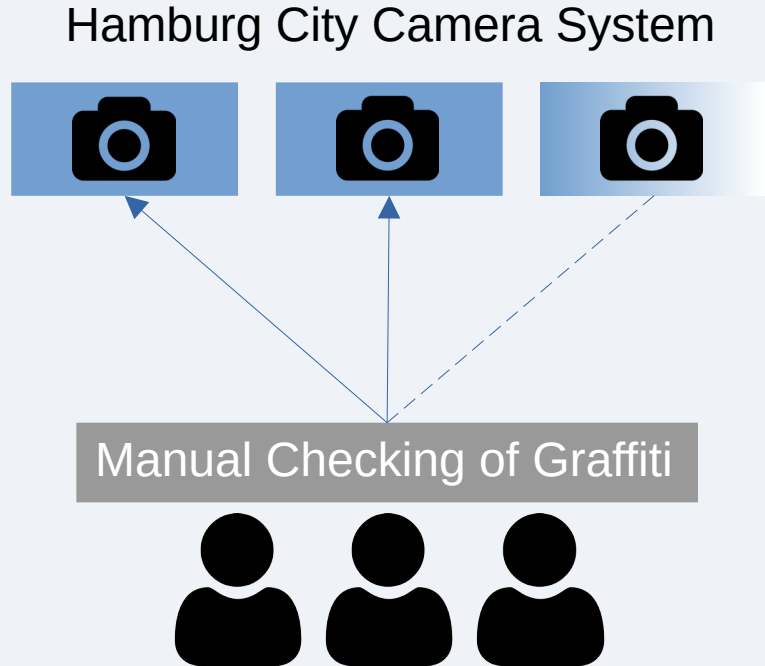
- More personnel needed for graffiti detection

- Graffiti inspections are not conducted frequently

- Quality of life decreases due to unremoved graffiti

Tom Ruge

Solution: Visual Graffiti Detector
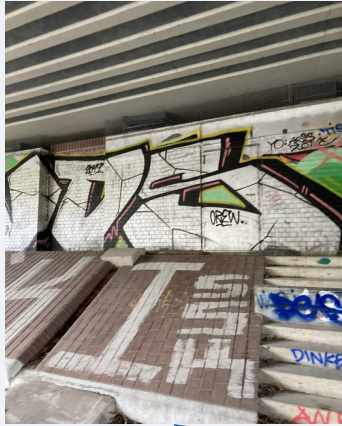
Is Graffiti

High Priority for Cleanup

No Graffiti

- Deep Learning Model(State of the Art)
- Graffiti checking around the clock
- No personnel required
- Metric for priority
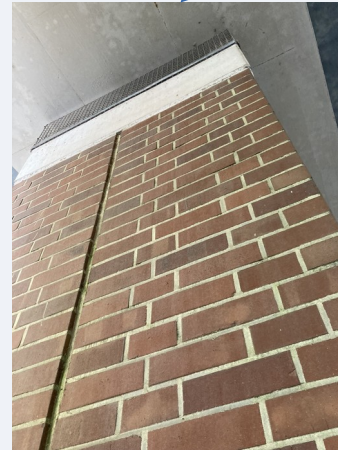- More effective city maintenance
- Data already aquired

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VGD: Available Data

387 non graffiti pictures

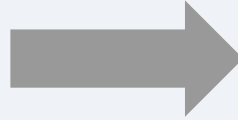Diverse → real world data

496 graffiti pictures

Diverse → real world data

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Benefits for City Hamburg

- Improved Urban Aesthetics

- Increased Property Values

- Enhanced Public Safety

- Deterrence of Vandalism

- Better Resource Allocation

- Suport for Tourism

A Happy City!

Tom Ruge

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