



Digital wall assessment of repointing needs

STUDENT PROJECT



BACKGROUND

Clay brick facades repointing needs

- Repointing interval in Sweden between 40 – 80 years
- Assessment of the need for repointing often based on generic schemes
- Visual inspection is time consuming and expensive
- Digital tools for assessment are appreciated



PROJECT

Digital wall assessment of repointing needs

- Data collection
 - Taking pictures of brick masonry wall and/or wall segment
 - Performed by students or provided by me
- Data analysis
 - Image processing to detect lines in brick masonry walls (joints)
 - Pre-study was made which can be used as a start
 - Image processing to detect parts of joints which needs to be renewed
 - Main part
- Data Use
 - Output Generation
 - A: Picture with marking of “defect” joints for manual renewing
 - B: Generate executable robot code to rake out parts which needs to be renewed (optional)

Contact

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