

Occupational hazards, risk, and solutions

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Topics

- introduction
- examples
- structure of solution database
- quality of input
- coding of solutions and field test
- conclusions

Kasimir Malevich, 1911, polishers



Lewis Hine, 1931, pneumatic drill



Foundation pile removal



Elisabeth Parmetier, 1988 zinc line Beek en Donk



Process operations

- Removing surface layer (Malevich, polishers)
- Removing concrete (Hine, drill)
- Guiding material flow (Parmetier, zinc line)

Starting points

hazard, risk

preventive measure

process

Classification of processes

PROCESSING OPERATIONS

- surface treatment
 - removing surface layer
 - polishing
 - buffing
 - sharpening
 - scraping off
 - grinding
 - adding surface layer