**Cost and Time Overruns**

**Introduction**

- Case study
- Individual and cross case analysis
- Overview building management tools
- Overall success factors
- Survey
- Descriptive and statistical analysis
- Validation corresponds mainly with the case study results
- Relations with ‘overruns’ and ‘success’ are defined

**Management Tools**

- Case study
- Tailoring of management tools
- Overview of building management tools
- Survey
- Relation between management tools and overruns
- Six management tools
- Consequent implementation leads to less overruns

**Success Factors**

- Case study
- Fundamental project management by building management tools
- Actual success is influenced by several factors
- Eight overrating factors
- Survey
- Relation between success factors and management tools
- Two success factors with seven management tools
- Use of these tools will lead to more success

**Recommendations Field**

- Consequent implementation
- Conscious and wide approach

**Recommendations for Further Research**

- Validation
- Use of management tools
- What is a success project?
- Control aspects

**Discussion**

- Availability theories
- Reliability case study results
- Reliability survey results

**Conclusions**

- Ongoing occurrence of overruns
- Large shortfalls and reputational damage
- Research has been done, no solution yet
- Research based on Van Notten (2013): new insights
- React on detections by steering and/or intervening
- Six management tools are directly related to overruns
- Two success factors are directly related to seven management tools
- The main research finding: an overview of building management tools to influence the process and success factors to deliver projects without overruns

**Recommendations for Business as Usual**

- How to manage a project successfully?
  - Step 1: Consequent implementation
  - Step 2: Control of success factors
  - Step 3: Detection of indicators
  - Step 4: The less adjustments the better

**From Failure to Success Projects by Steering and Intervening in Building Processes**

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