INVESTIGATING THE INCENTIVES FOR THE ADOPTION OF HAND HELD COMPUTING IN CITY MAINTENANCE PROGRAMMES

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BEFORE AND AFTER

Dr. Guillermo Aranda-Mena
Two stage case study [action research]

Stage_01: Field Mobile System development
- Road Management Act
- Interview agenda
- Study preparation
- Data collection
- Data analysis and interpretation

Stage_02: Field Mobile System Implementation
- Study method
  - Descriptive statistical analysis
  - Repertory Grids
- End-user measurement
  - Initial questionnaire
  - Training questionnaires
  - Utilisation questionnaire
- Data collection
  - 4 participants - crew members - plant operators
  - 4 Interval questionnaires over 7 weeks
- Data analysis and interpretation
  - Cluster analysis
  - Dendograms
  - Descriptive statistics

Results

2. Considering the uptake of this type of technology by similar asset management.
3. Insight into the adoption process by peer diffusion.

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STAGED 1 - Application Development

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CoGD - 16 Interviews
21.02.06 - 04.04.06
STAGED 2 - Application Implementation

Tablet PCs
Personal Digital Assistants
Phone
Pocket PC Windows
BSITE: MOBILISING CONSTRUCTION


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Asset Management Services

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