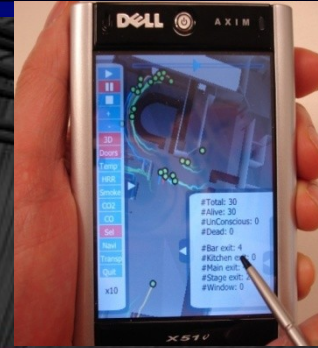


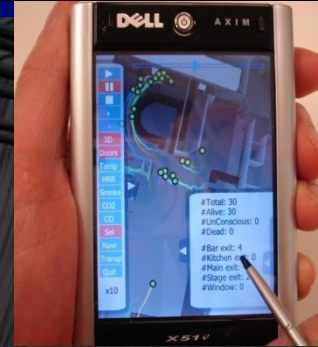
# MDRP: Context-aware Mobile Visual Analytics for Emergency Response



- Personnel: Ebert, Chaturvedi
- External Partners: IDHS, CERDEC, MUTC
- Goal: To provide advanced analytical insight to first responders and public safety command personnel by allowing them to analyze and understand on-scene, active emergency situations through interactive, integrated data analysis and visualization
- Approach:
  - Integrate situational and personnel related information obtained in the form of images, videos, 3D models and sensor data
  - Testing the visual analytic tools on simulated data for training and response exercises



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- Outcomes:
  - Visualizations to represent two types of information:
    - Personnel related* – identification, position, time, status (health, activity levels), etc.
    - Situational information* – temperature, toxic gas dispersion, contamination, etc.
  - Evaluation of two scenarios:
    - *The Station* nightclub fire (Rhode Island)
    - Testing rescue operation exercise in an elementary school
  - Feedback from the Fire Department and PHSI

