

City of Wilson Overview

- Solutions focused on distinct needs
- Mobile vs. Wireless

Will Aycock, Assistant Director of
Information Technology Services



The Challenge

How do we keep up with the growing demand for fire inspections without adding personnel?

Mobile Fire Inspections

- Addresses for pending inspections downloaded to mobile client each morning.
- Data entry complete in the field
- Report Printed in the field
- Copy of Inspection Report with narrative of Code Sections left with business
- 35% Increase in Productivity

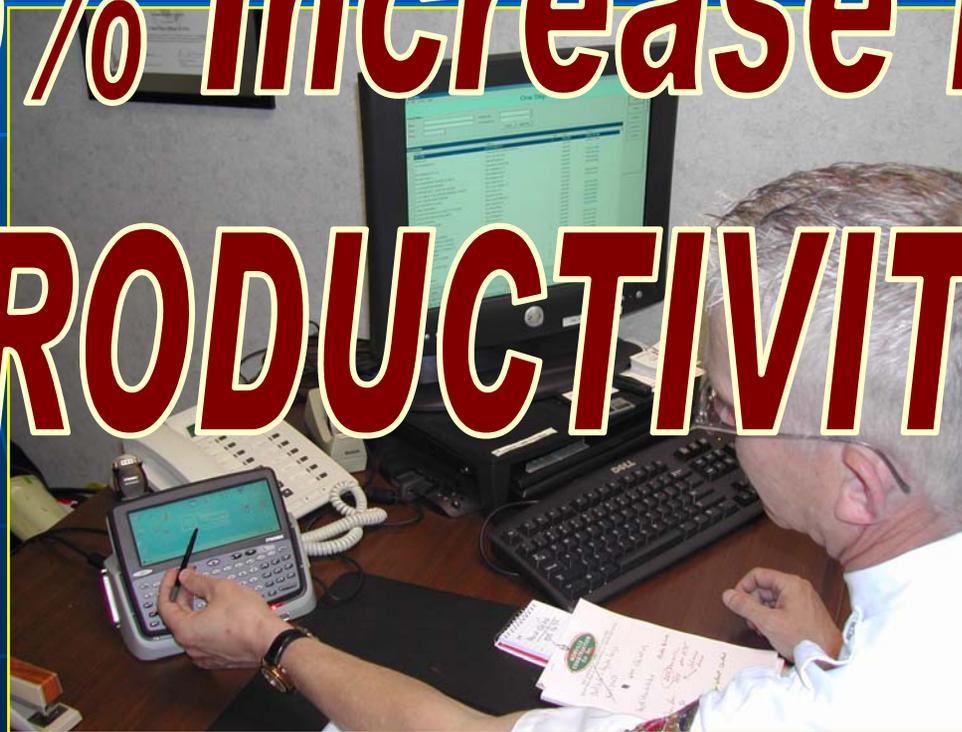


Mobile Fire Inspections

- All daily activities uploaded after shift
- Provides accurate up-to-date information

35% Increase in

PRODUCTIVITY



Increasing Efficiency

Mobile Fire Inspections

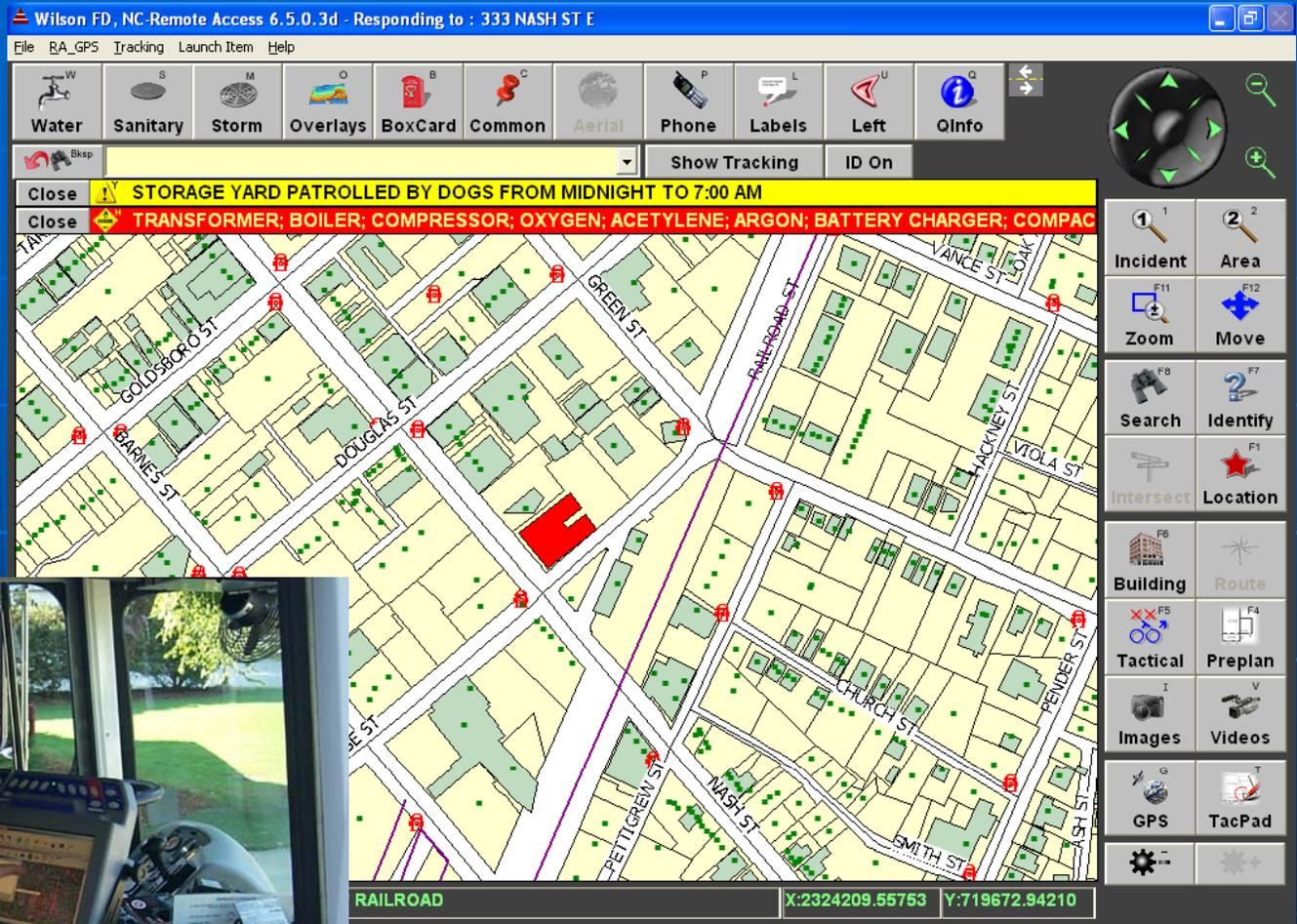
- Direct live communication to server
- Real time work prioritization updates

The Challenge

How do we provide first responders with information they need to more safely respond to incidents?

Mobile Tools for Emergency Response

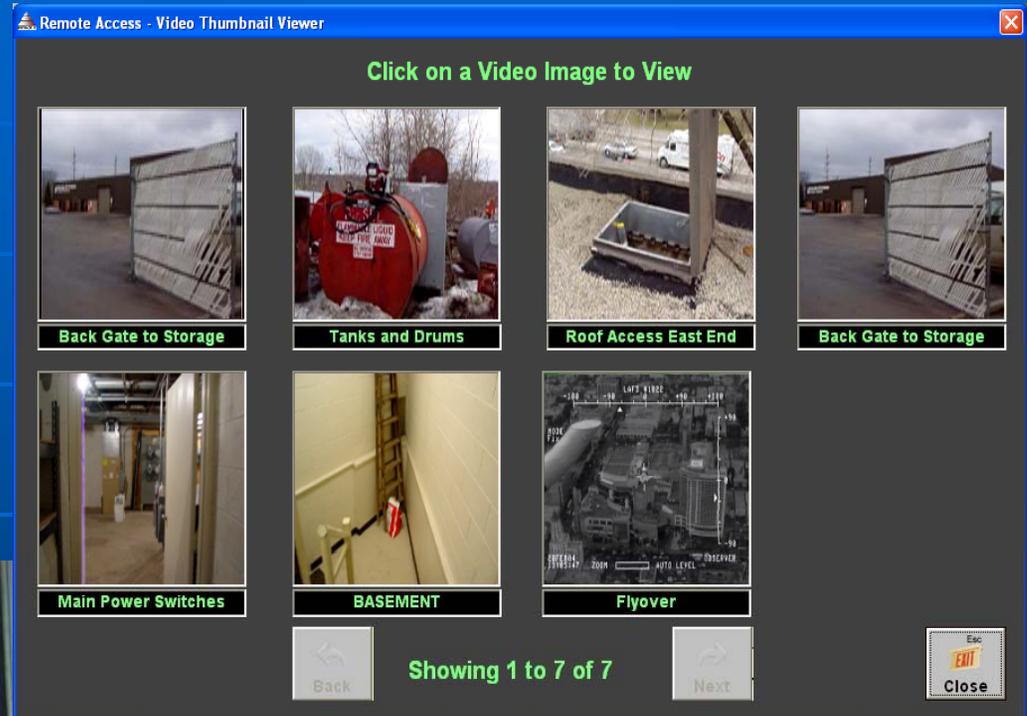
- GIS Data Access in the field



Enhancing Safety

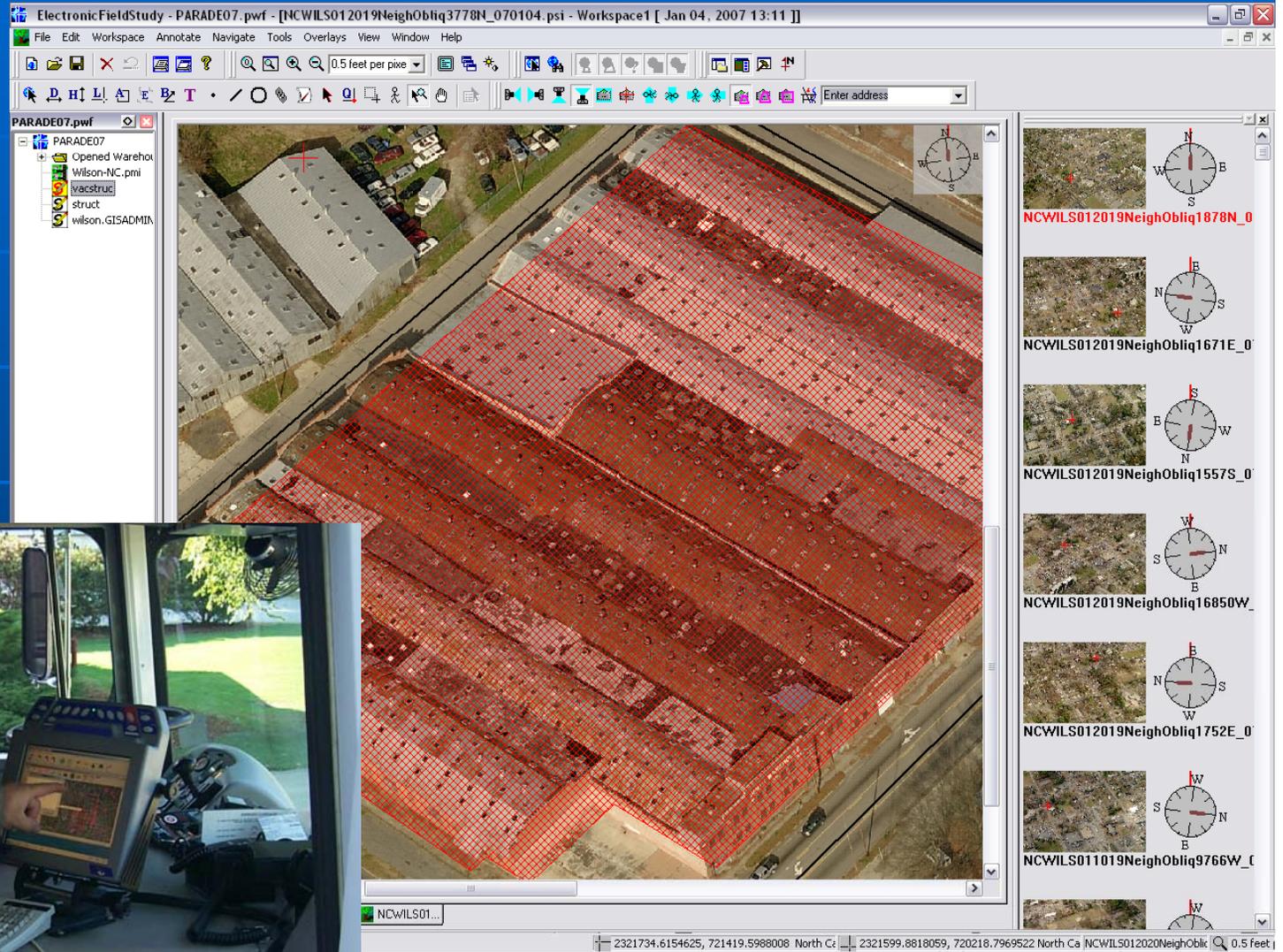
Mobile Tools for Emergency Response

- Digital Photographs of Key Features in the field



Mobile Tools for Emergency Response

- Geo-Referenced Oblique Imagery in the field



Enhancing Safety

Mobile Tools for Emergency Response

- Pre-Incident Surveys linked to Geographic Features

410 Goldsboro St SW.doc - Microsoft Word

File Edit View Insert Format Tools Table Window Help

Type a question for help

Revised 1/20/2005 WFRS PRE-INCIDENT SURVEY
(attach a diagram of floor plan)
District # 1 FDZ: 48 Date Created: 08/15/2006 Date Revised: Revision #
Business: Smith Warehouse
Address: 410 Goldsboro St SW

DEFENSIVE ATTACK – NO ENTRY

Occupancy Type:

<input type="checkbox"/> Assembly	<input checked="" type="checkbox"/> Storage
<input type="checkbox"/> Business	<input type="checkbox"/> Mixed
<input type="checkbox"/> Educational	<input type="checkbox"/> Church/Synagogue
<input type="checkbox"/> Factory/Industrial	<input type="checkbox"/> Foster Home
<input type="checkbox"/> Hazardous	<input type="checkbox"/> Public School
<input type="checkbox"/> Institutional	<input type="checkbox"/> Day Care
<input type="checkbox"/> Mercantile	<input type="checkbox"/> High Rise
<input type="checkbox"/> Residential	<input type="checkbox"/> Other

Business Phone: N/A Number of Employees: N/A
Shifts 1st 2nd 3rd
Day of Week Operation & Hours: N/A
Fire Flow 100% Involvement: 50646 Sprinkler Type: None Wet Dry
Sprinkler Location: None A B C D I
Standpipe Location: None A B C D I
Roof Load: None Light Moderate Heavy
Location FDC: N/A
Main Domestic Water Valve Location: A Side
Hyd# 871 Location: Goldsboro & Jones GPM 860

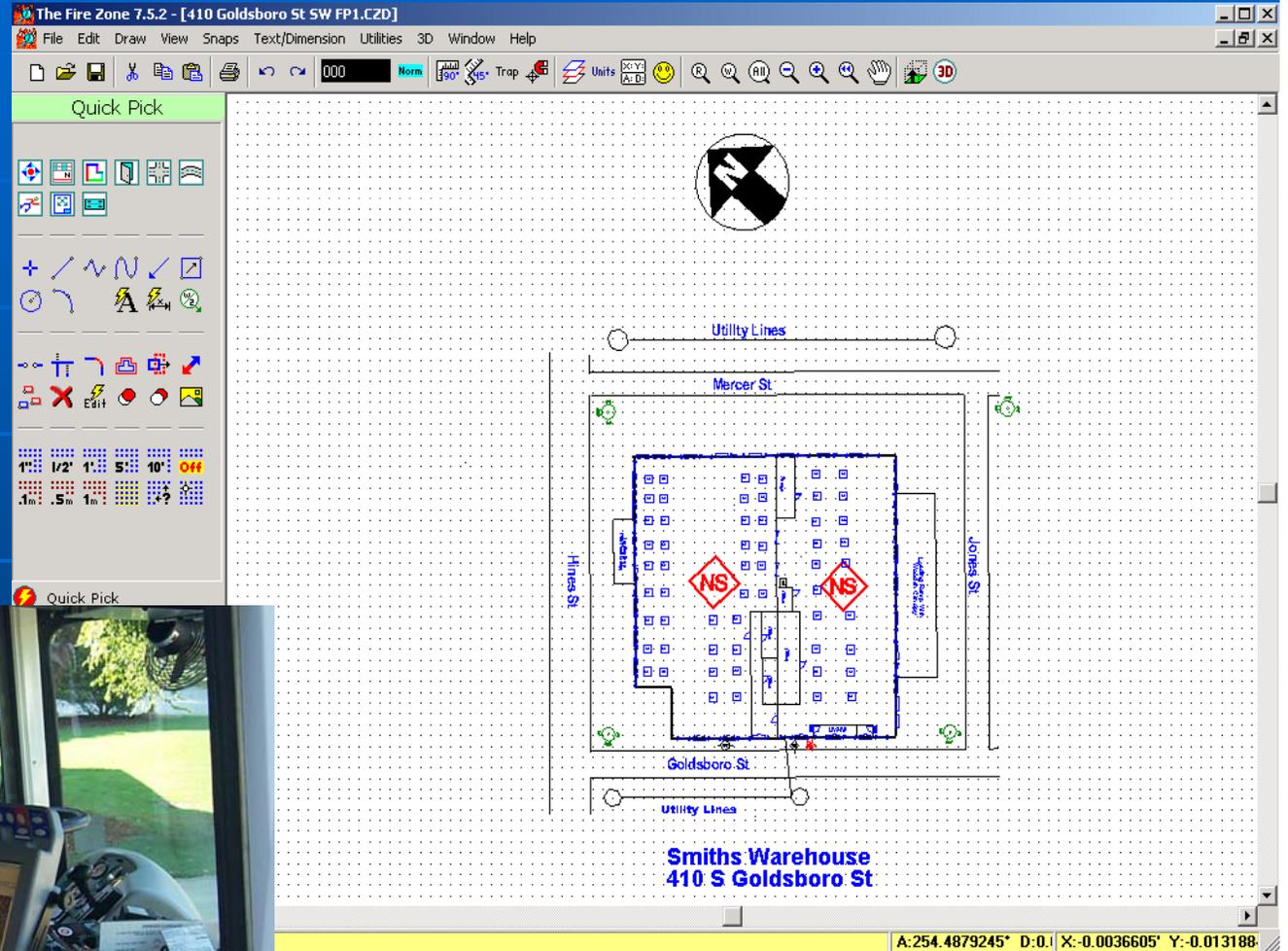
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Enhancing Safety

Mobile Tools for Emergency Response

- Annotated Floor Plans accessible in the field



Enhancing Safety

Mobile Tools for Emergency Response

- Automated Vehicle Location
 - Closest unit dispatch
- Live connection to Computer Aided Dispatch
- Silent Dispatch

The Challenge

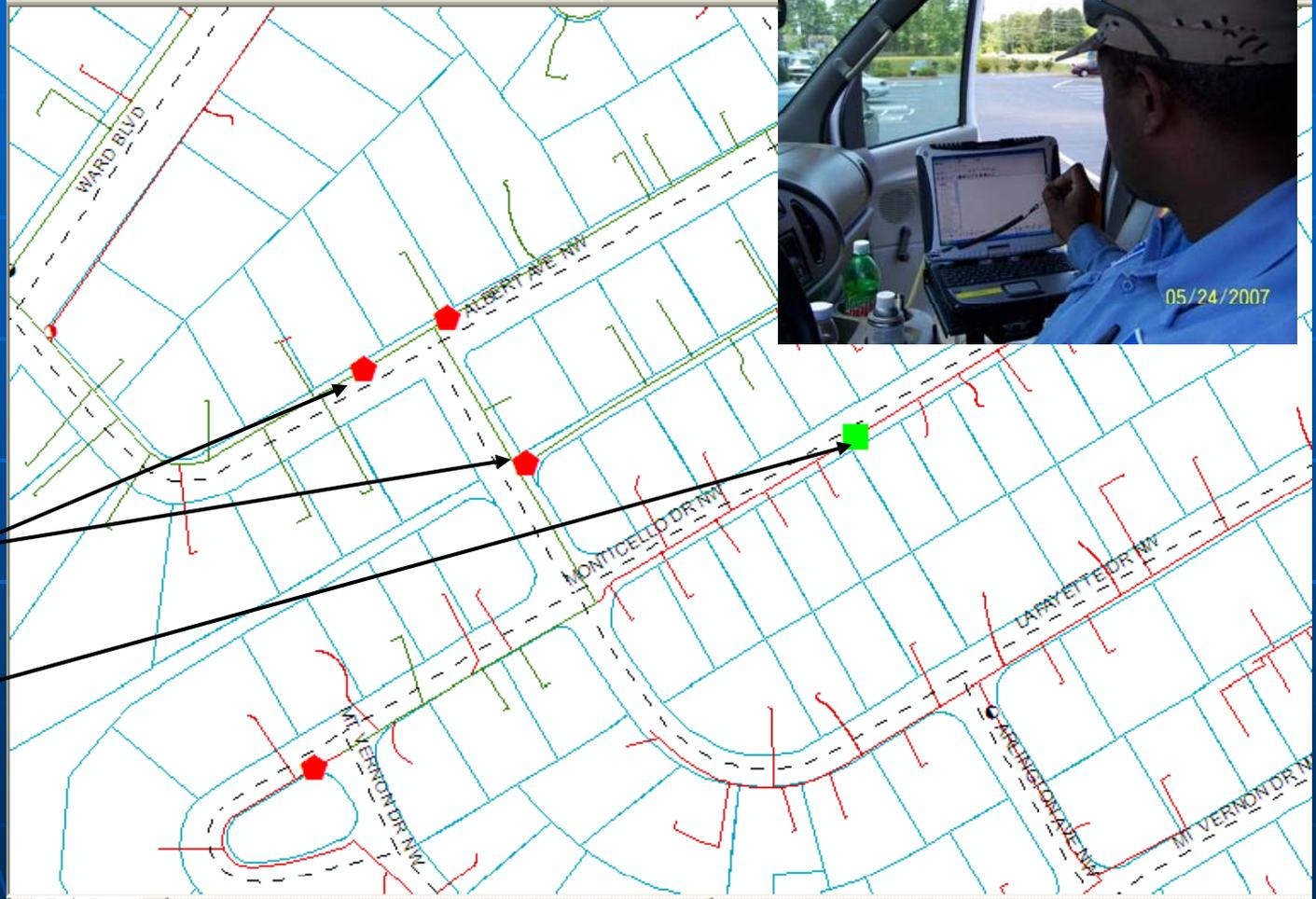
How do we enable field personnel to quickly conduct sophisticated analysis during emergency situations?

Mobile Tools for Advanced Analysis



Mobile Tools for Advanced Analysis

- Mobile Isolation Tracing (automated location of isolation valves in the field)



Enhancing Safety

The Challenge

How do we leverage mobile wireless technology to benefit the Police Department?

In Field Reporting for PD

- Field Reporting
- Direct Integration with CAD



Increasing Efficiency, Enhancing Public Safety

The Challenge

How do we insure personnel from different departments using diverse toolsets are able to collaborate in the field during urgent situations?

Standards in Mobile Tools

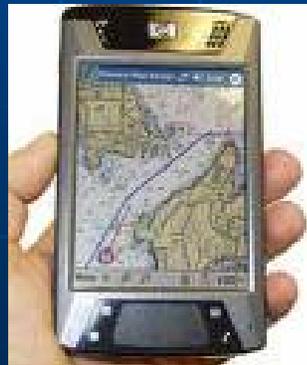


Enhancing Safety

Mobile Platforms

Hardware

- Fujitsu Lifebook
- Panasonic Tough Book
- IPAQ
- BlackBerry



Increasing Efficiency

Mobile Client Applications

Software

- OSSI
- Arc View
- Arc Reader
- Arc Pad
- Basic Web Applications

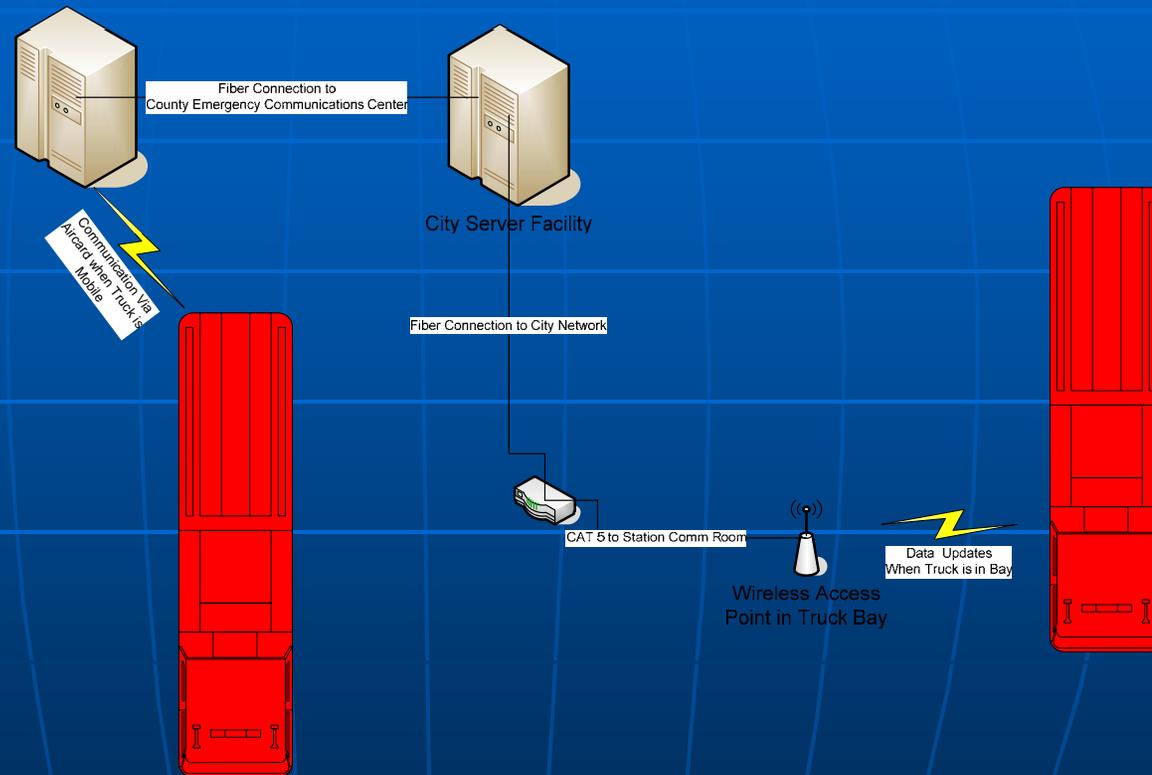
Wireless Infrastructure

Connectivity

- Wireless Hotspots
- Air Cards
- Cellular
- Netmotion

Security

- VPN
- Two Factor Authentication



In Summary, mobile technologies...

- Increase efficiency
- Reduce the need for direct communication between office and field personnel.
- Allow staff to more quickly meet customer needs while in the field.
- Put data in the hands of people best suited to identify and correct errors.
- Allow first responders to better understand the hazards they face and plan to more safely respond to emergency situations.