



APCO
International

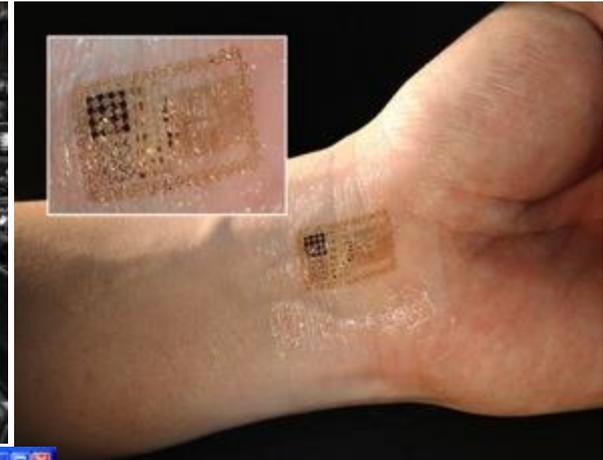
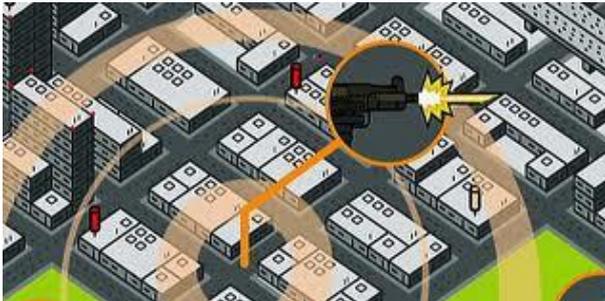
Leaders in Public Safety Communications™

Emerging Technology Forum

BIG DATA IN THE PSAP

Paul McLaren
Director of Support Engineering
Intrado

25 June 2013



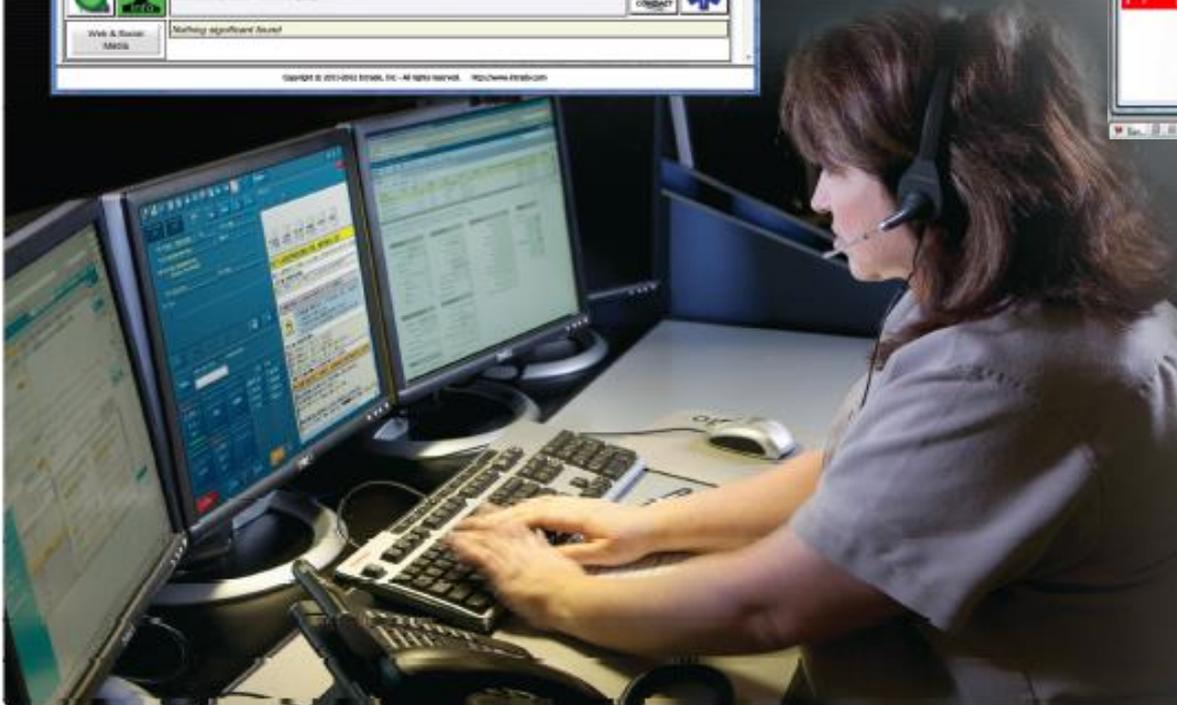
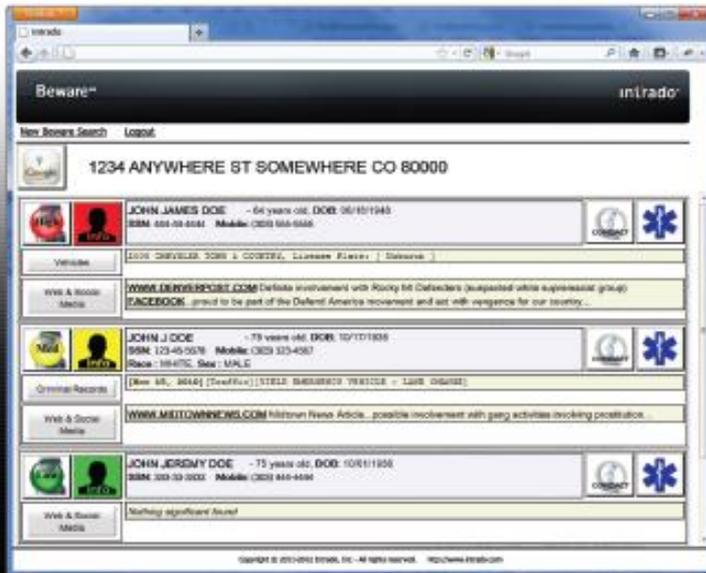
Big Data

- Too much data to handle!
- World's capacity has doubled every 40 Months
- 2013: About 3 quintillion bytes of data (3×10^{18})
- More information collected on individuals every day
- More automatic device, sensor, monitor data

Convergence of Call Handling, CAD, and Radio Control



Commercial Data Sourcing, Headlining, and Scoring



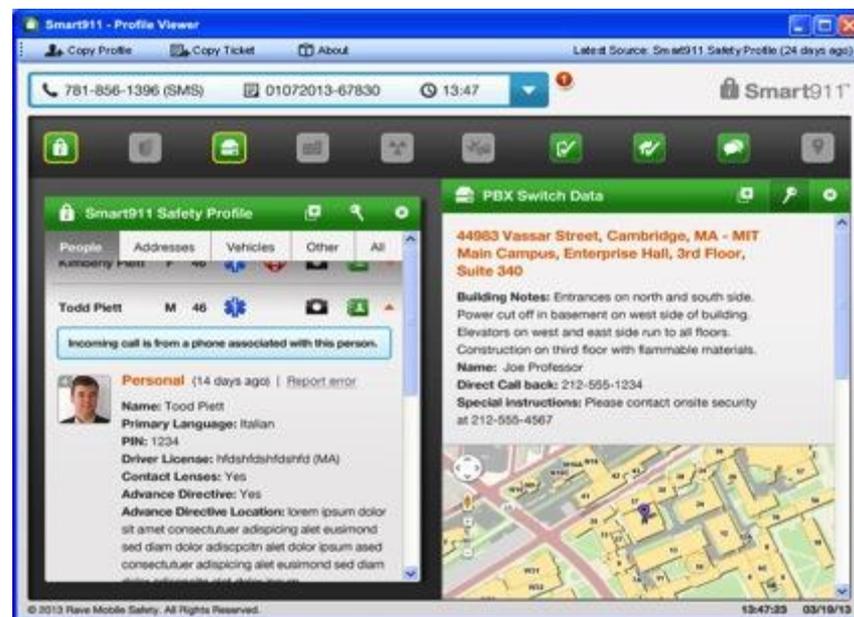
Detection and Sensoring



Hazardous Materials Location and Handling



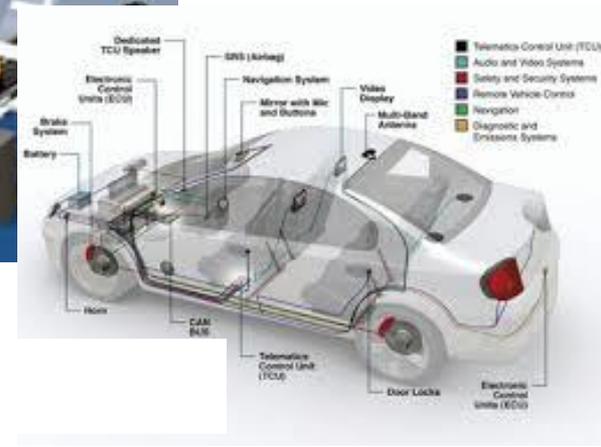
Personal Safety Applications



Premise Information



Vehicle Telematics



Oblique Images



Traditional View – What is it?

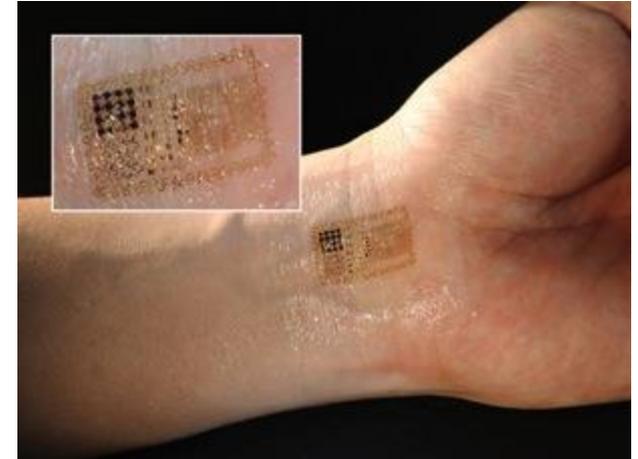
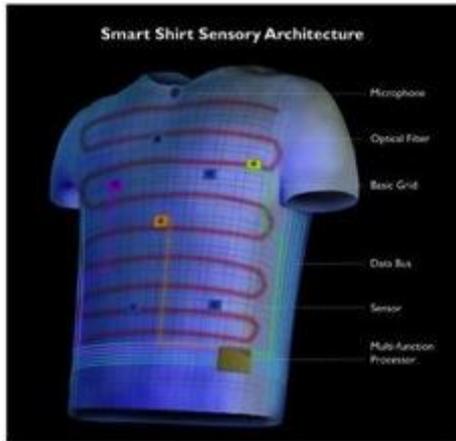


Oblique View

Image Derived Attribute Data



Medical Monitoring and Alerting



Medical Monitoring and Alerting



My911

Systolic Pressure	⌵
Diastolic Pressure	⌵
Oxygen Level	⌵
Pulse Rate	⌵
Glucose Level	⌵
Temperature	⌵
Weight	⌵

My911

Systolic (mmHg)

Systolic High Critical

140.0

Systolic Low Critical

90.0

Systolic High Personal

120.0

Systolic Low Personal

100.0

OK Cancel

So what's this all mean?

- Valuable Commercial Data is Available Today
 - NG infrastructure will support correlation to ANI/ALI
- Must be part of the Call Continuum
- Must decrease the PSAP workload
- Must deliver PSAP configuration by Data Type
 - Where and when Data is made available
 - Auto Event Initiation
 - Auto Dispatch
 - Enhance CAD Dispatch Recommendation Schemes
- Decrease Response Times

Questions

