



The First Responder Test-Bed Vision to Reality

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"Networked" Not Connected

- Surround the car occupant with the social network and global knowledge
 - Car interior as a friend delivering employee networks, all contacts, all news, entertainment, health, travel, and environmental control



Who's Playing





TAXABLE ..

































































LTE: Compelling for Responders



Narrow-band will remain platform of choice for mission-critical needs for some years to come... **THEN LTE**

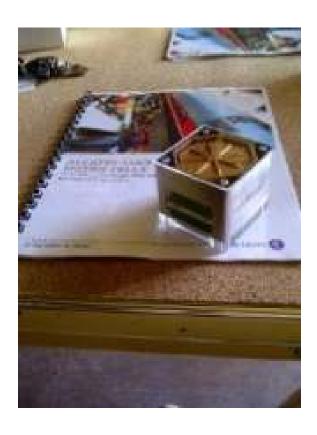
- Supported by all service providers, makers
- Vendors and device ecosystem support
- Simple antenna, multiple services
- Strong security
- Endorsed by major Public Safety associations
- Continuously evolving technology



NVA: Cloud and First Responders

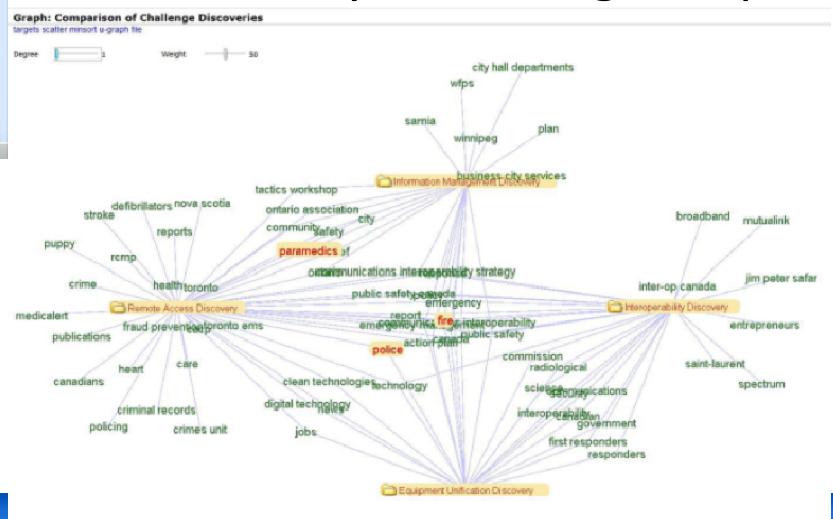


- New technology is rapidly being deployed that transforms the communications opportunities for First Responders.
- A Test-Bed will allow FRs to find optimal solutions and showcase uses.





Priorities by Knowledge Map









- Control and assembly area
- In-vehicle data hook-ups and back office

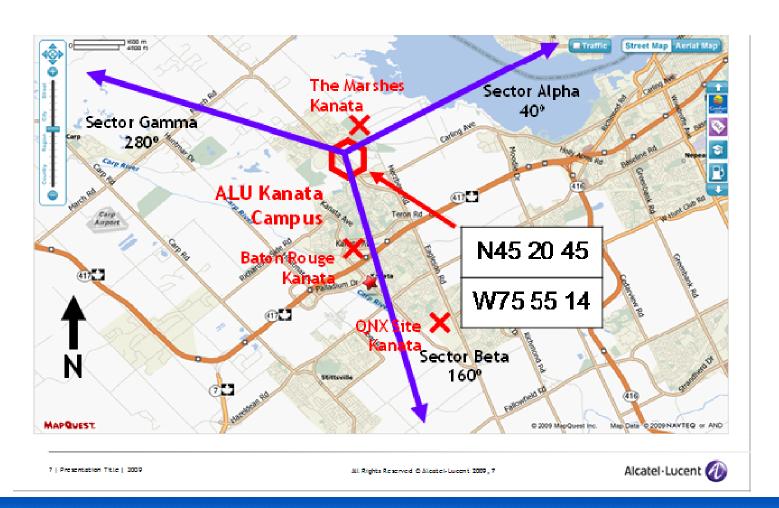






LANGE -

Kanata to U of O





Test-Bed Features

- Close to real field deployment environment: Spectrum, Speeds, Needs, Feeds
- Ability to deal with constant technology evolution, integration
- Diverse applications in various First Responder, verticals
- Adaptation to multiple standards, multiplicity of vendors
- Simultaneous service to different communities of interest
- IPR protection, secure information dissemination
- Privacy, Security, Legal administration
- Prelude to Nation wide remote connectivity



Test-Bed Steering Committee

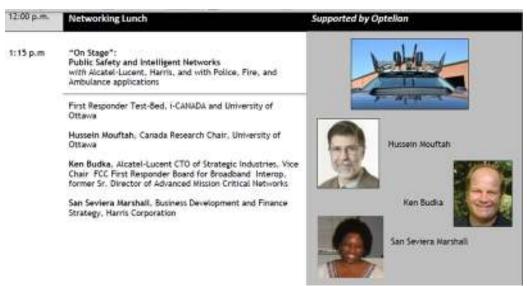
- Hussein Mouftah, Canada Research Chair, University of Ottawa
- Steve Palmer, Exec Dir, Canadian Centre for Public Safety and First Responders
- Lance Valcourt, Exec Dir, Cdn Interop Interest Group
- Steve Erwin and Dennis Tessarolo, MTO
- Rock Lavigne & Benoit Charron, Inspectors, Ottawa & Gatineau Police
- Michael Sullivan, Division Chief, Ottawa Fire Service
- Michael Doucet, CTO, RCMP
- James Palmer, Lt. Col., National Defence
- Barry Gander, Chair, NVA
- Alcatel, Motorola, Harris, WiSense, nTerop...



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Prep For World of 'Data Everywhere'









Prep:

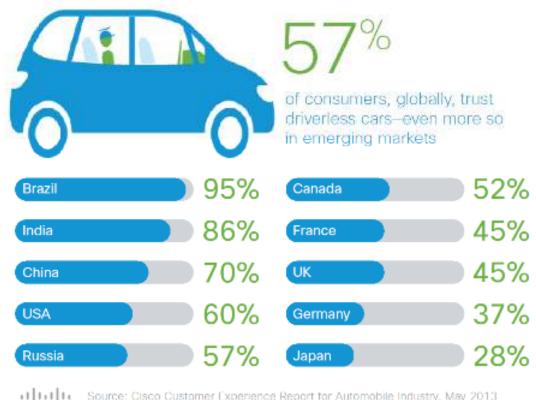
"Survey shows consumers comfort with technology and need for immediate information whether they are researching, buying, driving or servicing their vehicle"

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Peter Granger, senior industry marketing manager, Cisco Products Solutions

Consumers Desire More Automated Automobiles

Consumers Trust Driverless Cars

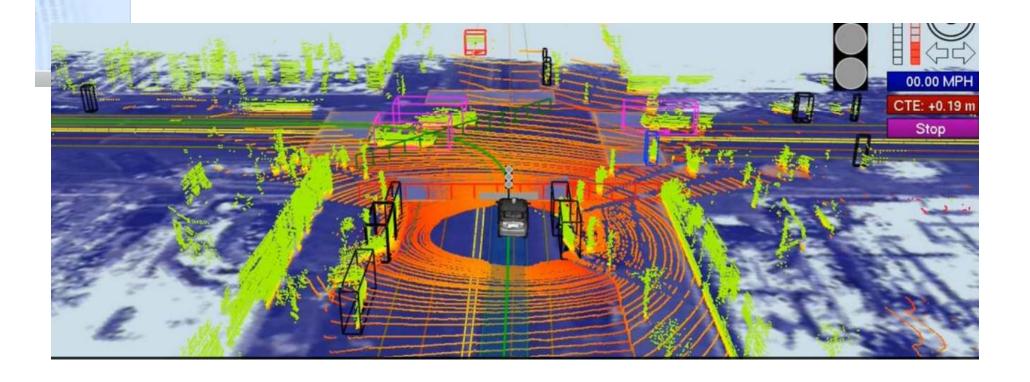


cisco

Source: Cisco Customer Experience Report for Automobile Industry, May 2013 survey of 1,511 consumers in 10 countries.

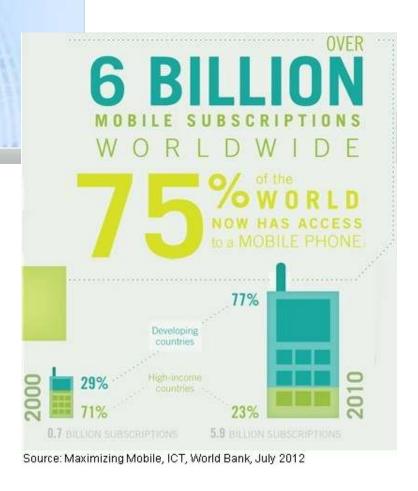


Gain Experience With High Data Flow





The mobile Cloud is Key to All Cars...



Newspapers - 480 m daily PCs - 1.1 b Phones - 1.2 b land-line Internet users - 1.4 b

Transforms car value equation:

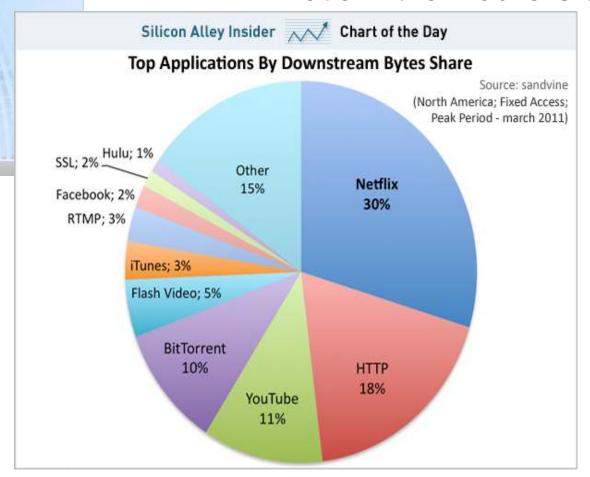
80% of innovation in car today from ICT

Vehicle 3rd-fastest-growing connected device

(smartphones, tablets)



What's in the Mobile Cloud?: Video



- Mobile Web browsing and especially mobile video will grow.
- By 2015, mobile video will account for 68.5 percent of all mobile data usage in the U.S. (or 224 petabytes/month).
- Coda estimates that 95
 million mobile handset
 subscribers in the U.S. will be
 watching video on their
 phones in five years out of a
 total of 158 million mobile
 internet users.



Feedback

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