



communications

CyTerra

Remote Casualty Assessment & Location



RANGE-R™

Through The Wall Sensor

The Urban Challenge



communications

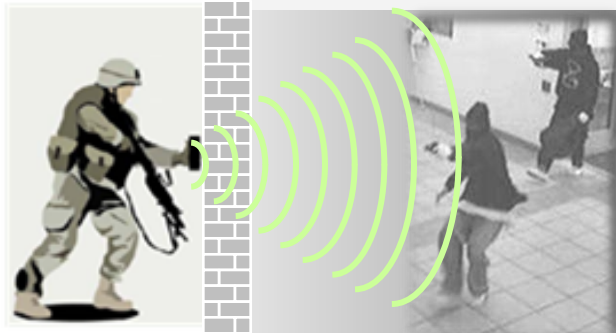
CyTerra

- ***Lack of situational awareness in urban environments***
- ***Inability to locate concealed or incapacitated people behind walls***
- ***Risk to civilians, hostages, property and responders due to inadequate information***



Doppler Radar technology designed to detect and measure the distance to moving and near-stationary personnel through walls

Doppler RADAR senses movement through walls
Identifies targets as Mover or Breather



- Against Wall operation
- Range Detection
- Simple Target Display



- High PoD/Low FAR
- Easy to Operate
- Compact and Light Weight
- Operator Motion Rejection
- Works through common building materials

RANGE-R Technical Specifications



communications

CyTerra

Probability of Detection (Pd)	> 95% for movers & breathers
Probability of False Alarm (Pfa)	< 5%
Size	8.9" x 4" x 2.7"
Weight	1.2 lbs
Battery Life	> 400 uses
Graphical Display	Range to nearest target, Mov/Br
Spatial Resolution	~3 feet 50 foot range
Field of View	160 degrees

Law Enforcement



Search and Rescue



Emergency Response



Firefighting



Law Enforcement



communications

CyTerra

- *Warrant/Process Serving*
- *Fugitive Apprehension*
- *Clandestine Lab investigations*
- *Drug Raids*
- *Barricaded Suspects*
- *Hostage Rescue*



Improves situational awareness

Emergency Response, Search and Rescue, Fire



communications

CyTerra



- *Survivor Search*
- *Rescue Operations*
- *Clear Buildings*
- *Isolate Threats*

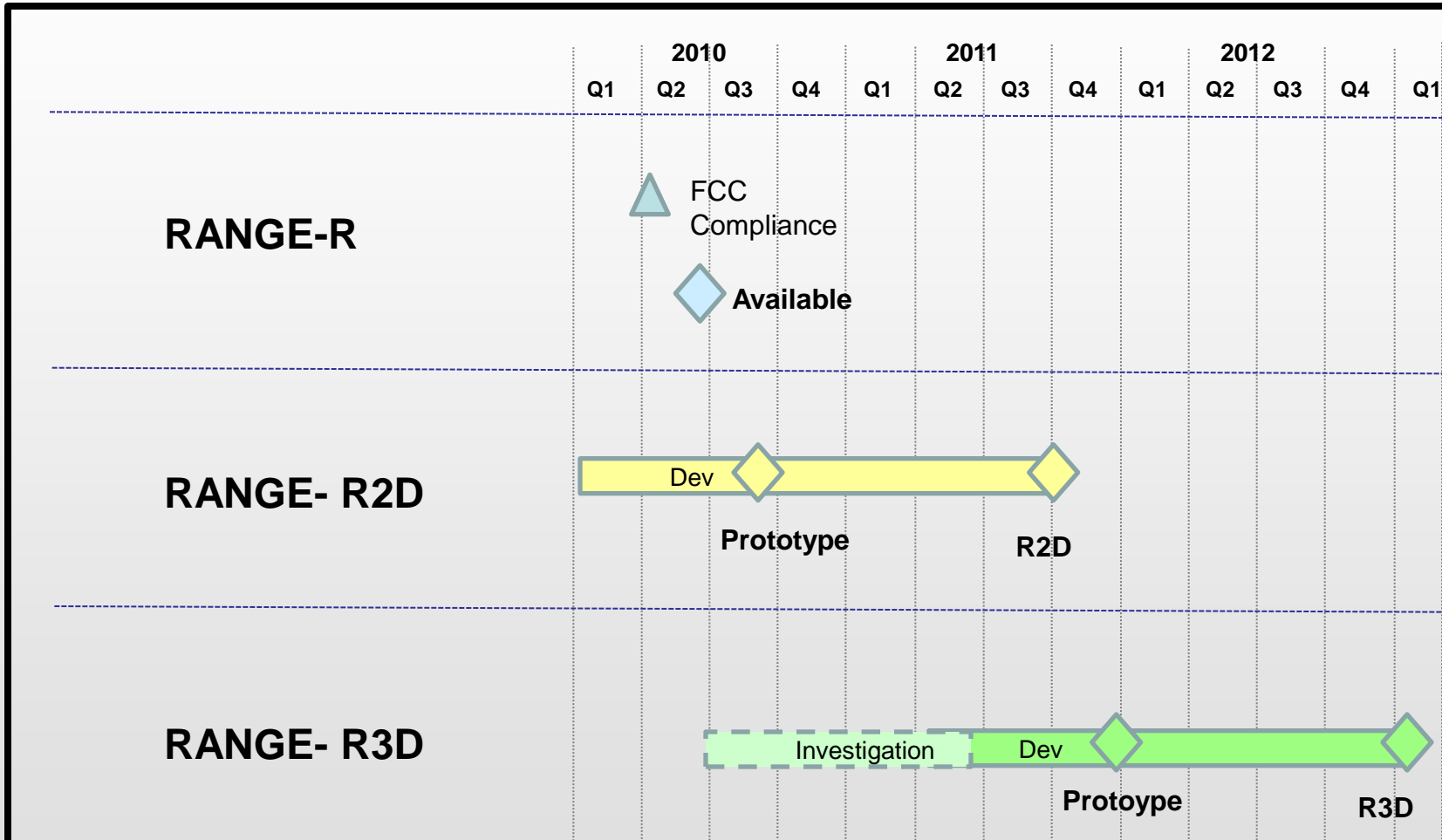
Rapidly identifies occupied/empty buildings

RANGE-R Product Roadmap



communications

CyTerra





- ***RANGE-R provides ability to locate people inside buildings***
 - *Moving*
 - *Breathing only*
- ***Lightweight, handheld, easy to operate***
- ***Developed for US military – now offered for commercial use***
- ***FCC Certified***

Improves awareness and operational efficiency
Saves lives of civilians and responder personnel
