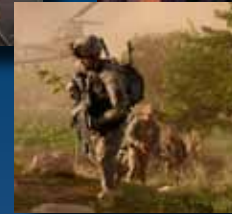


Precision Navigation in Urban Environments

Argon ST has developed new signal processing techniques that, for the first time, enable accurate GPS navigation in urban environments

Applications:

- Pedestrian navigation (including cell phone, PND, etc.)
- In-vehicle navigation
- First Responder location and tracking
- Personnel location and tracking for military test ranges
- Time Space Position Information (TSPI)



Technology:

- Patent pending *SALSA /GAME multipath mitigation technology
- Requires only a standard single-element antenna
- All-software solution complementary to existing GPS radios
- Blends GPS with peer-to-peer ranging derived from a new integrated navigation/communications waveform for indoors
- Peer-to-peer ranging overcomes the disadvantages of signal strength and short distance seen with UWB systems

*SALSA: Synthetic Aperture for Line of Sight Assessment; GAME: Genetic Algorithm for Multipath Elimination



Example GPS Navigation Performance using Argon ST's *SALSA/GAME multipath mitigation technology compared to typical GPS receiver

For more information, contact:
Marc Harlacher 703-828-2183
marc.harlacher@argonst.com



www.argonst.com

Corporate Headquarters:
12701 Fair Lakes Circle, Suite 800
Fairfax, VA 22033
703-322-0881