

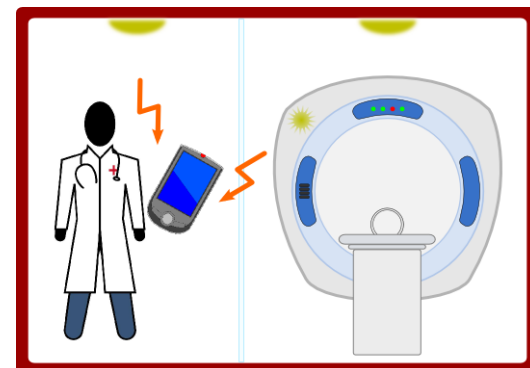
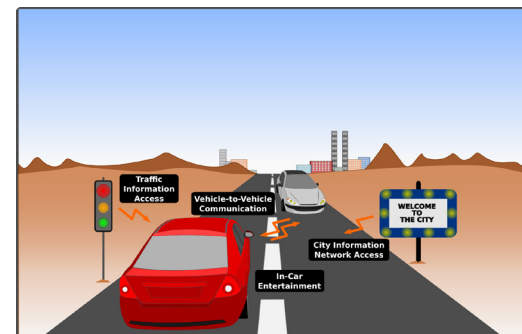
VLC – Commercialisation

Gordon Povey, CEO

VLC Ltd

# Application Areas

- Smart Lighting, Smart Buildings
- Mobile Connectivity
- WiFi Spectrum Relief
- Indoor Positioning Systems
- Hazardous Environments
- Vehicle & Transportation
- Defence & Security
- Hospital & Healthcare
- Aviation
- Underwater Communications
- Toys



# VLC Ltd - commercialisation

- Easy integration with existing infrastructure
- Low barriers for commercial partners
- Two products:
  - Smart Lighting Development Kit (SLDK)
  - Smart phone receiver

# Smart Lighting Development Kit



**LED driver unit**



**Photodetector &  
Transceiver unit**



**LED light fixture**

- High data rate
- Full duplex



**VLC  
transceiver**

# Smart Phone Receiver



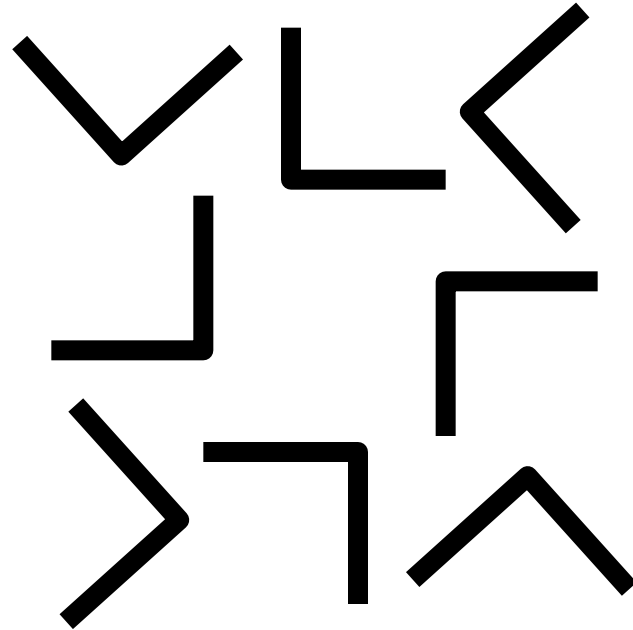
- Low data rate
- Broadcast only

- Smart phone App
  - Positioning
  - Location based info.



# Long term

- High data rate lighting
  - VLC added to LED driver circuits
- High data rate receivers
  - Full integration with smart phones etc.
- Integrated backhaul
  - PLC
  - PoE



[visiblelightcomm.com](http://visiblelightcomm.com)