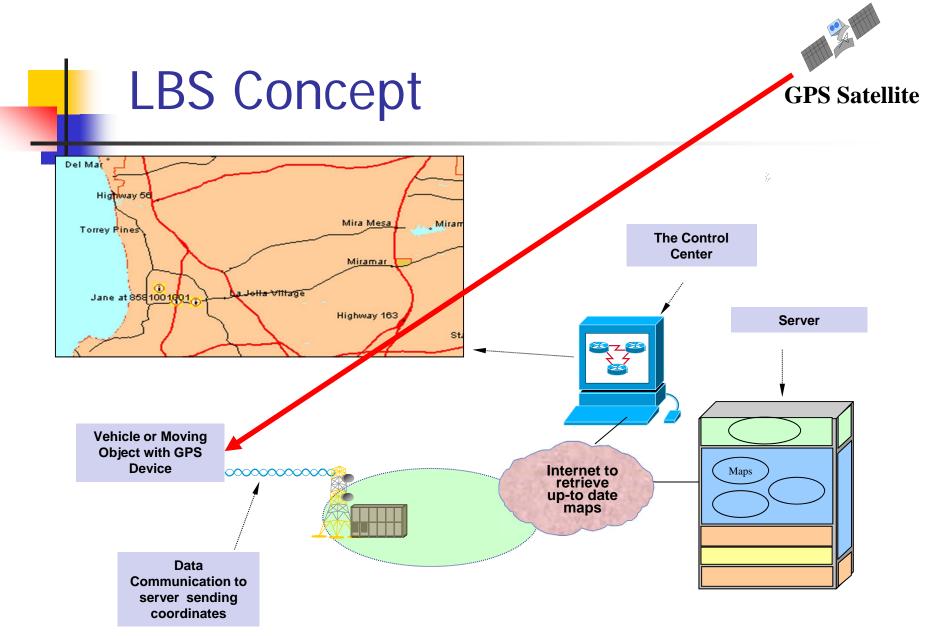


Dr. Baqer Al-Ramadan City & Regional Planning Department





Clients of LBS

Mobile Phone or any device with a GPS Chip





LBS Applications

- Tells you where you are
- Tells others where you are (if you give permission)
- Give turn-by-turn driving directions (navigation)

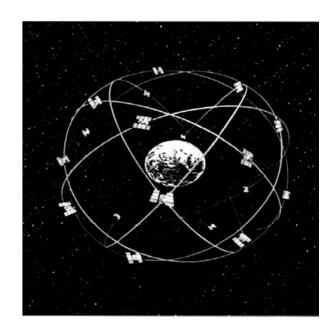


Find Points of Interest

- ATMS
- Banks
- Hotels
- Shopping malls
- Gas stations
- Restaurants

LBS and GPS

All Location Based Services depends on: GPS & Internet





A Typical LBS Application

Automated Vehicle Location (AVL) for Fleet Management

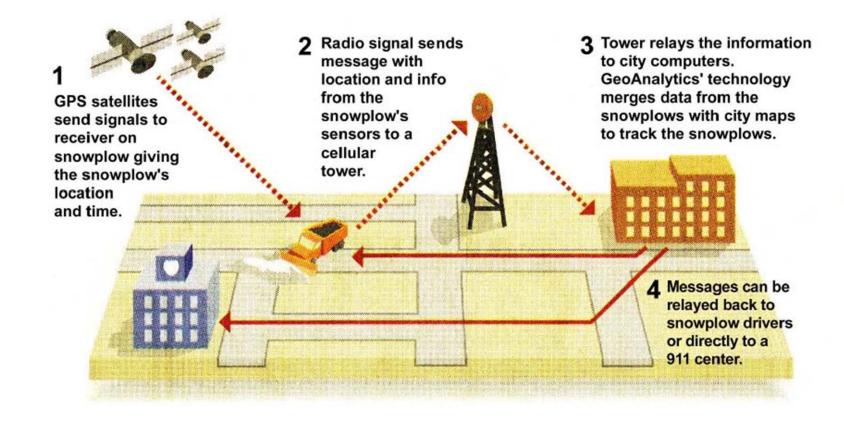
AVL for Fleet Management



Fleet of Snow Plowers



AVL Concept





- Insure that vehicles operate in a safe and efficient manner
- Monitor drivers' behavior, speed etc.
- Insure that vehicles operate on routes or within the limited area of operation
- Have a historical record of vehicle operations when needed



Thanks for Listening