

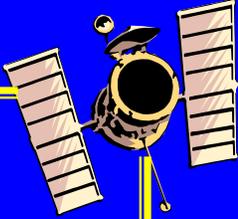
Wireless Telemetry Systems

Sudhir Murthy

President

TraInfo Communications, Inc.

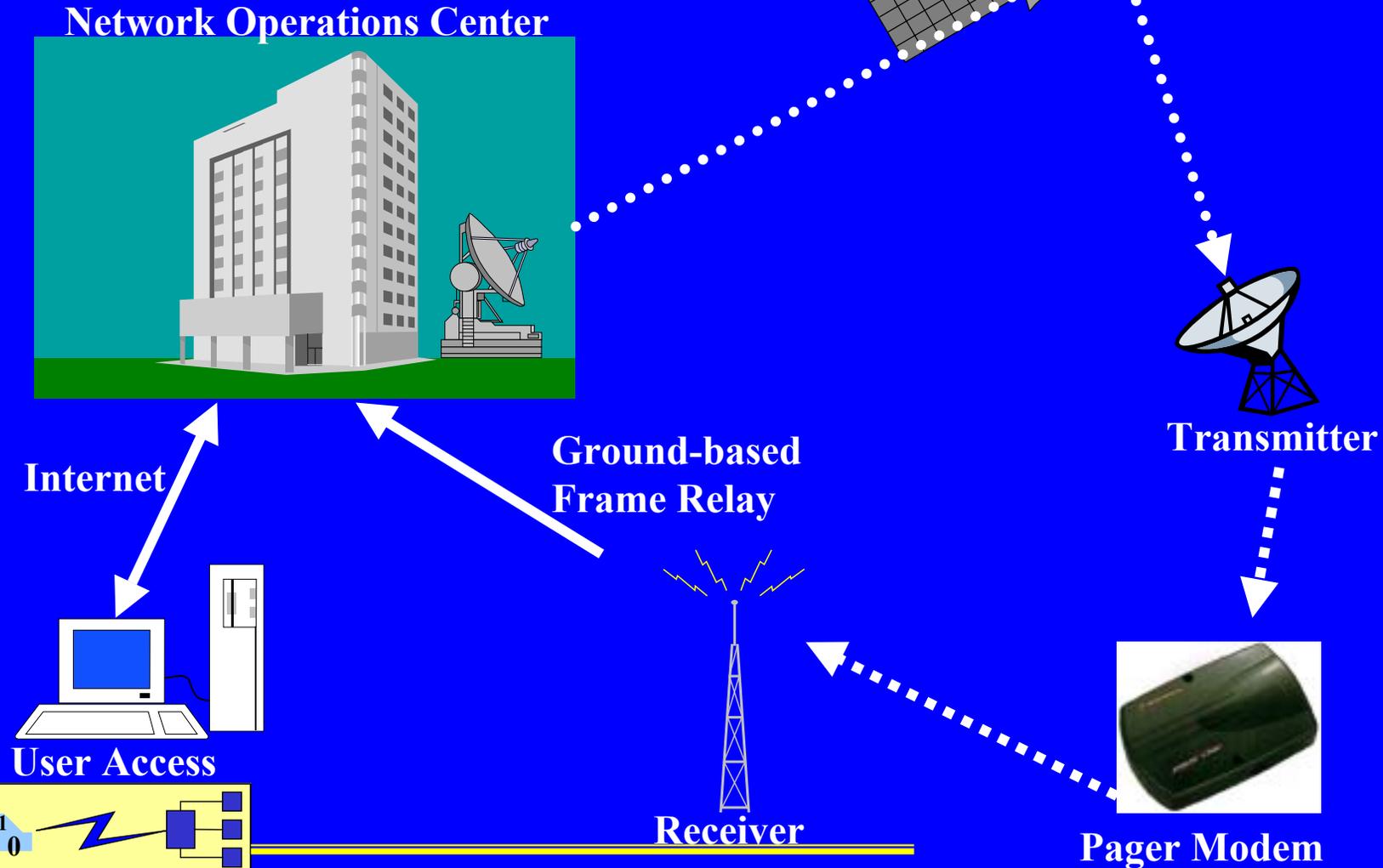


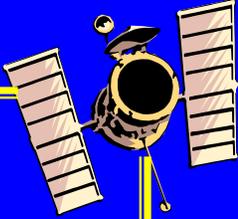


About TrafiInfo

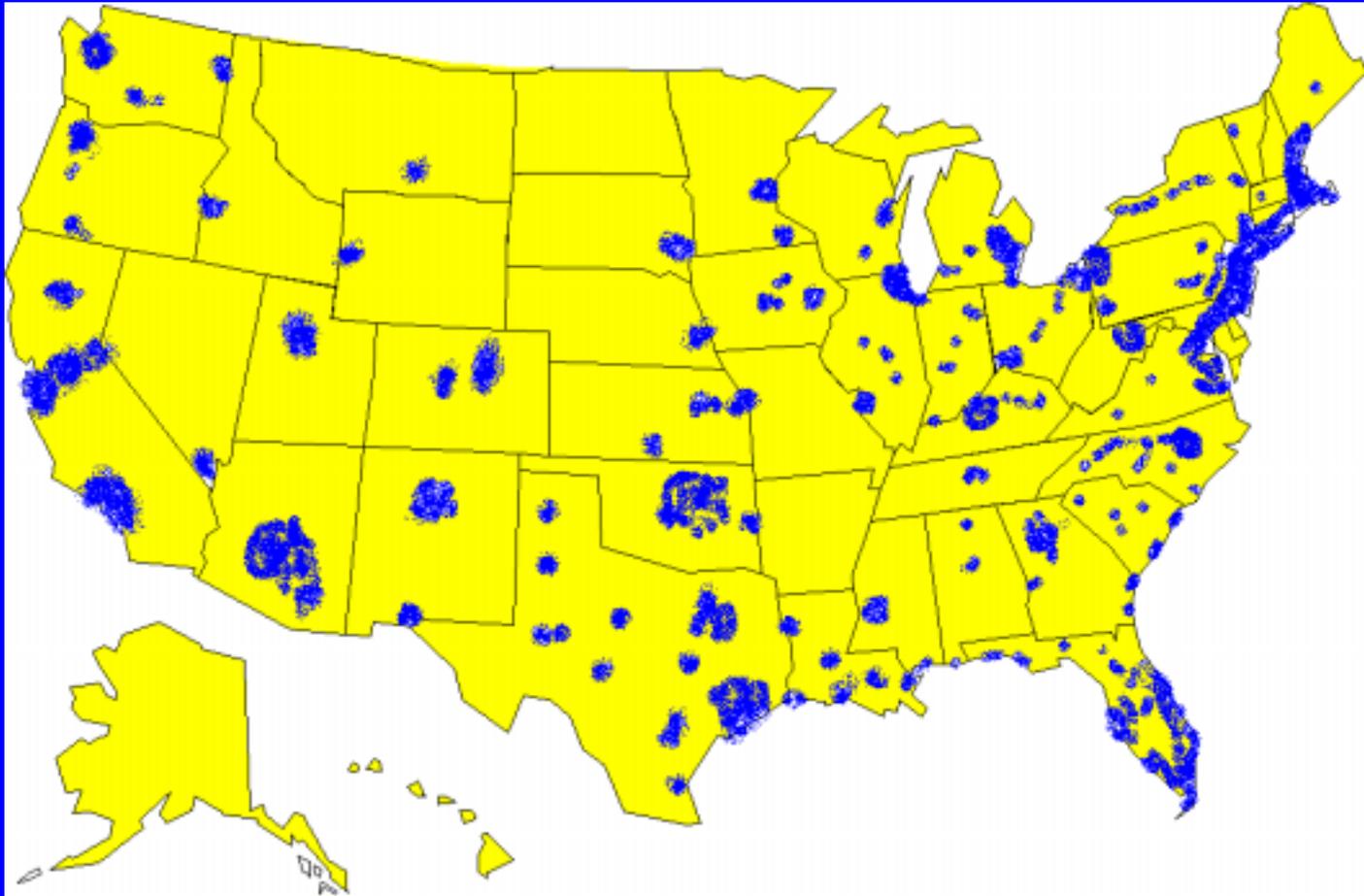
- Started in 1999 (as Lexington Consulting Company)
- Conducted a research project for National Academy of Sciences (ITS IDEA Project 74)
- Incorporated in 2000
- Service Provider of Wireless Telemetry Solutions for Traffic Monitoring and Signal Monitoring
 - Digital Two-way Paging
 - Satellite-based
 - User interface via the Internet
- Transportation Consulting
 - MBE/DBE Certified

SkyTel Paging Network

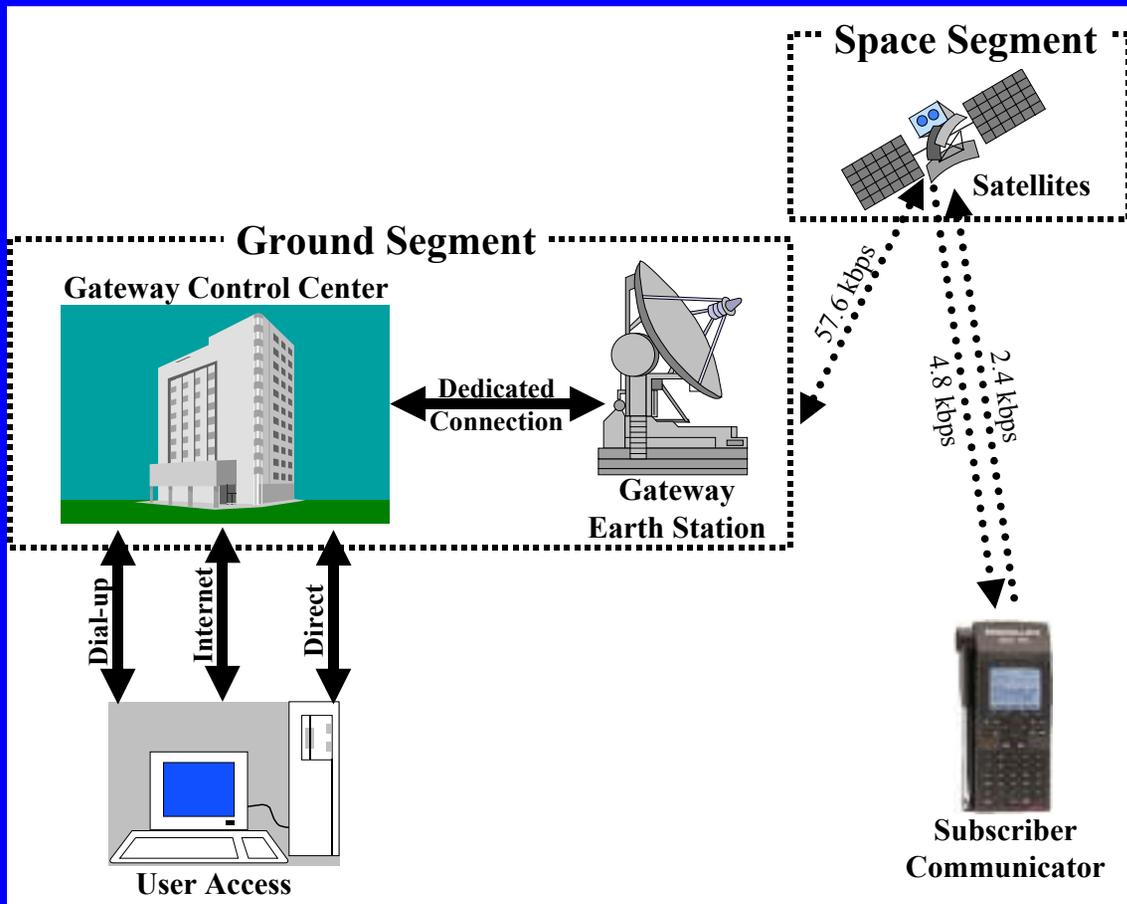
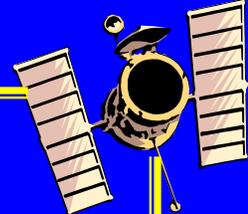




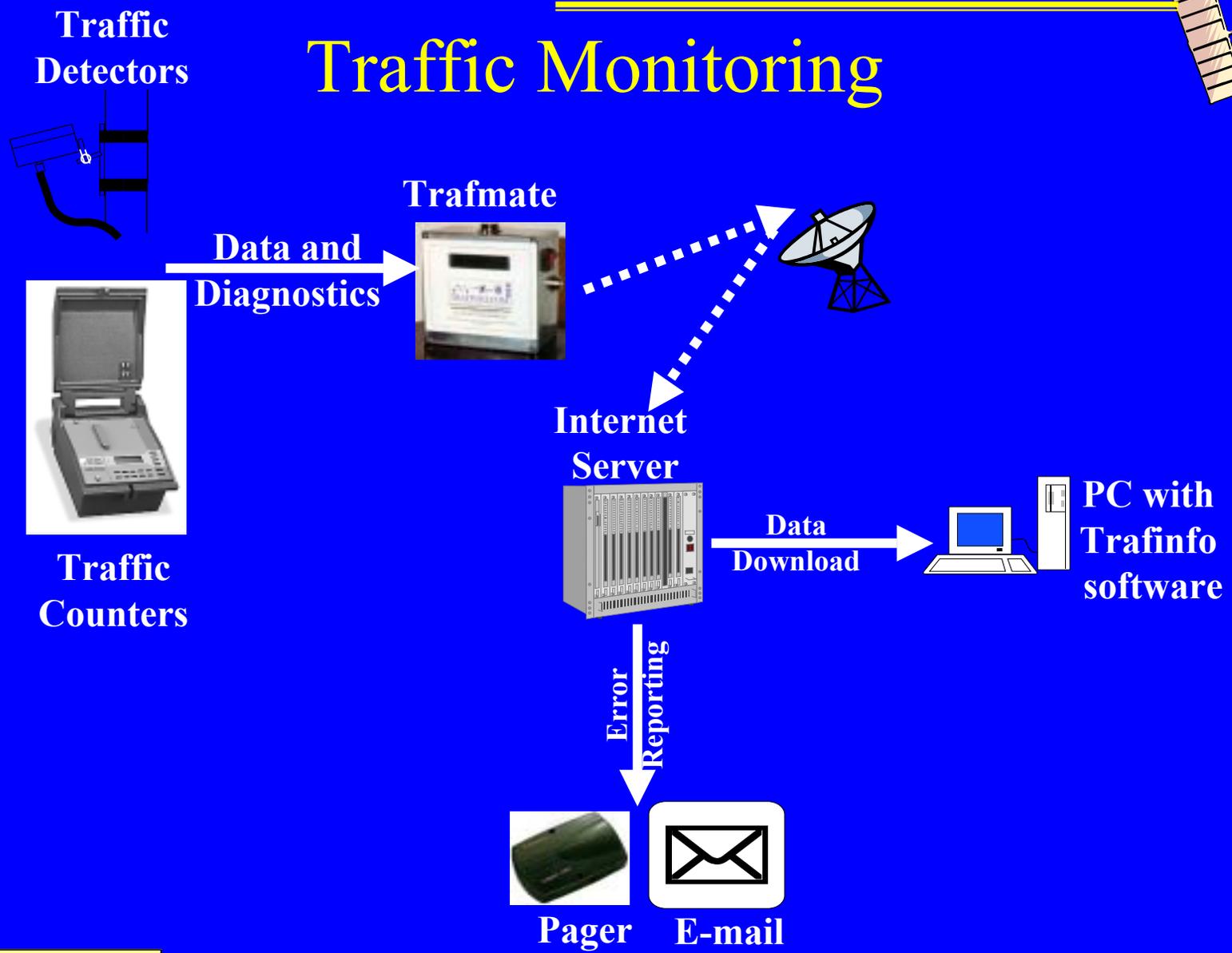
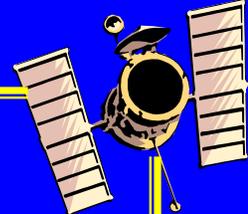
Current Wireless Coverage

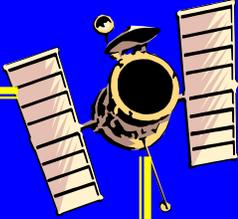


ORBCOMM Satellite Network



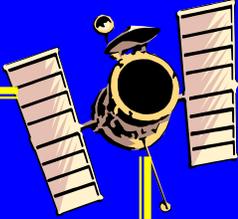
Traffic Monitoring





Main Features of Traffic Monitoring

- Automatic download of data from counters
- Periodic status checks of counters
- Immediate error reports via email
- Minimizes data loss due daily download
- Access to data on server over Internet
- Remote status check via email



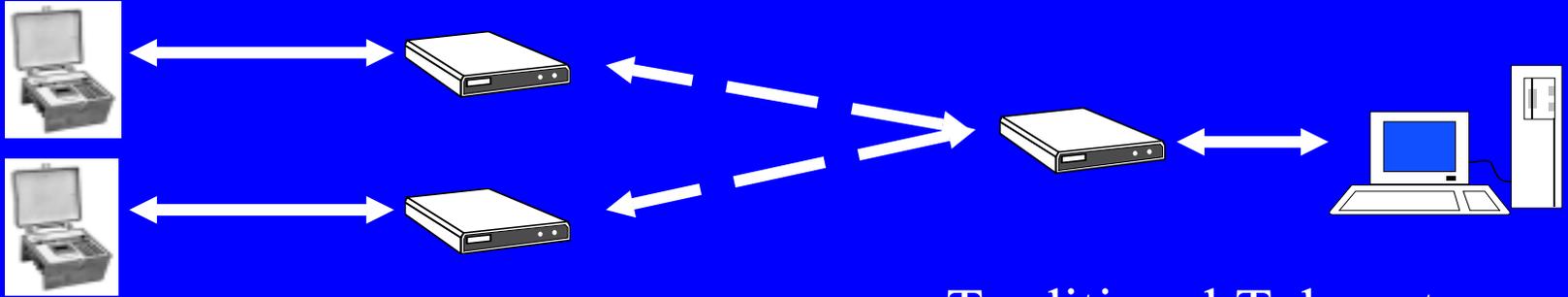
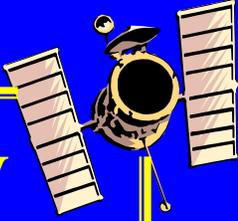
Trafmate

(Transceiver for Monitoring and Telemetry)

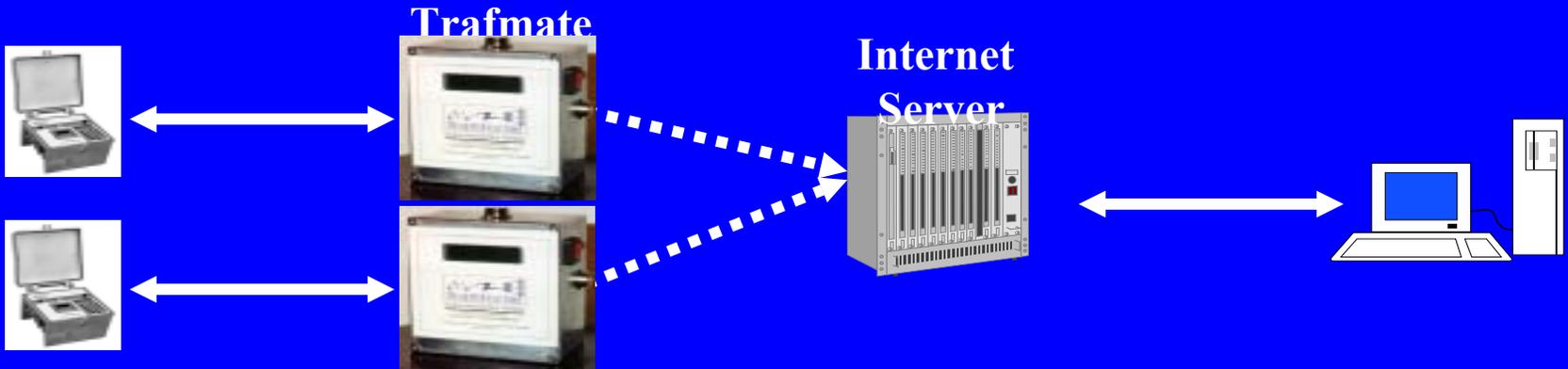
- Microprocessor + Wireless Modem
- 12V DC Power
- Low Power Consumption
- -40°C to +85°C
- EMI and Lightning Protection
- RS 232 Serial Port
- Internal Programming Port to Upload firmware (C Language)



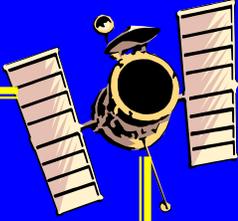
Comparison to Traditional Telemetry



Traditional Telemetry



TRAFINFO.COM's Wireless Telemetry



Trafmate Interface Capability



Unicorn
Phoenix
Pegasus



EPAC
Signal
Controller



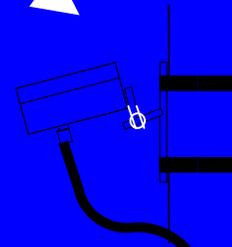
ADR 1000
ADR 2000



Model 241

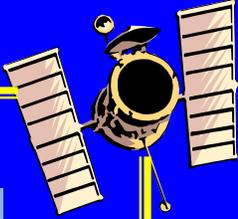


SAS-1

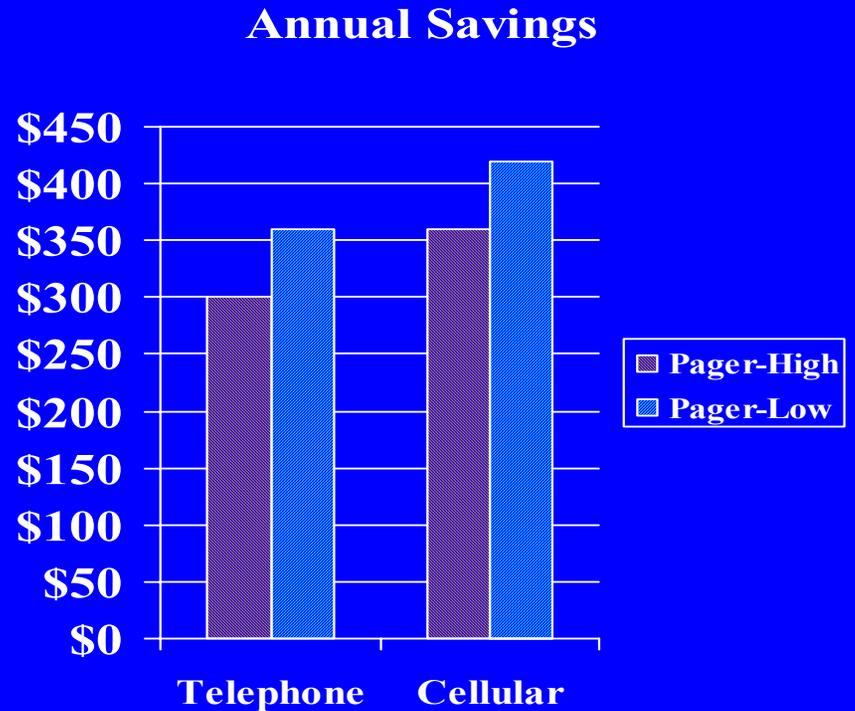
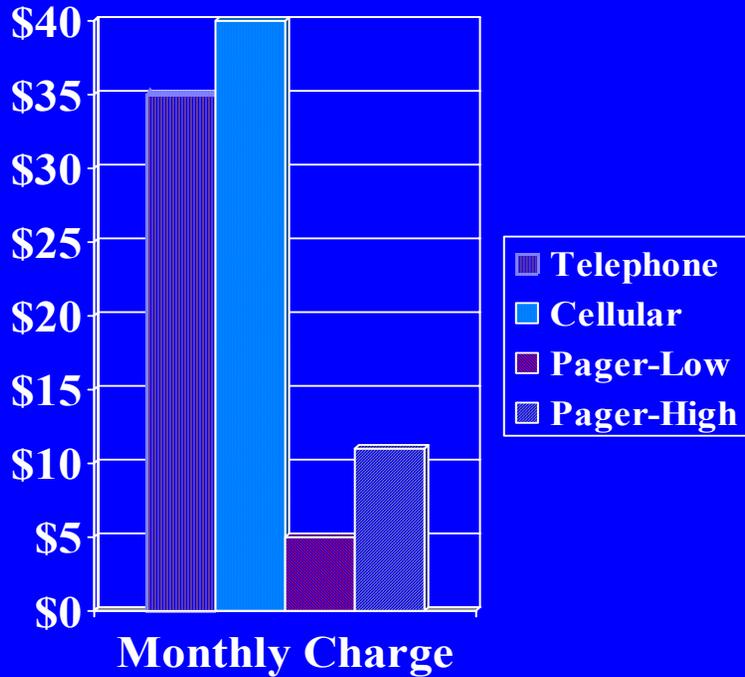
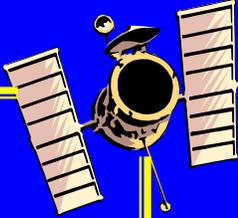


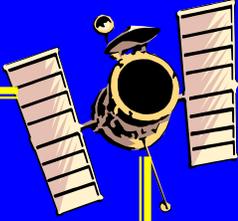
RTMS

NYSDOT Traffic Monitoring

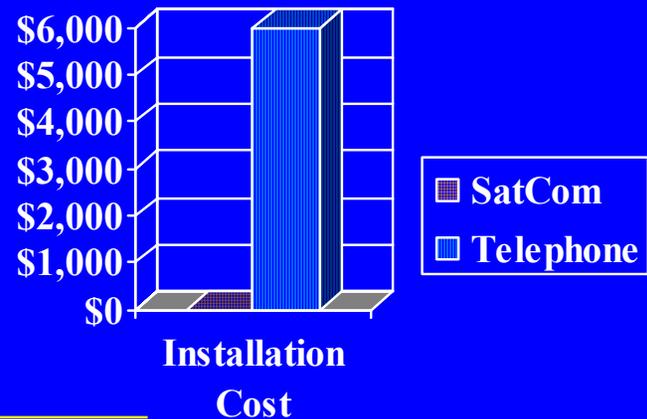
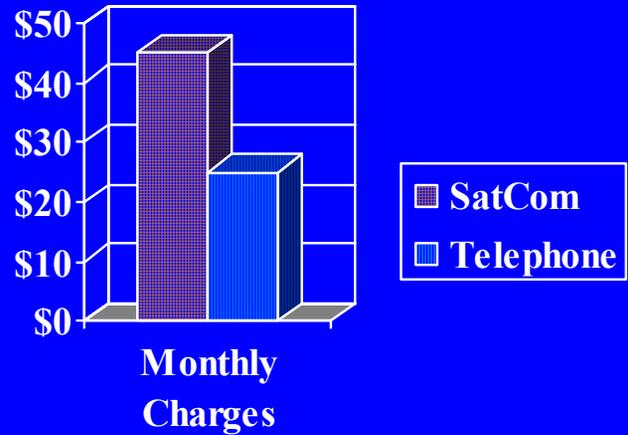
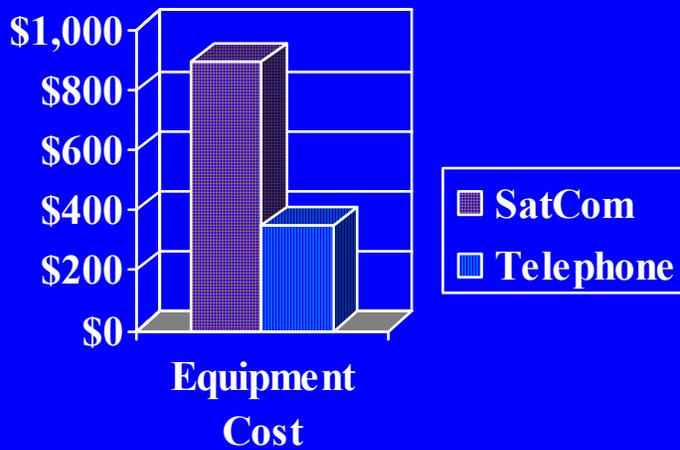


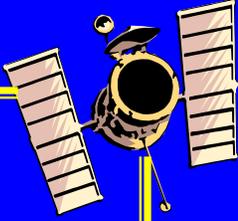
Cost Comparisons - Two-way Pager



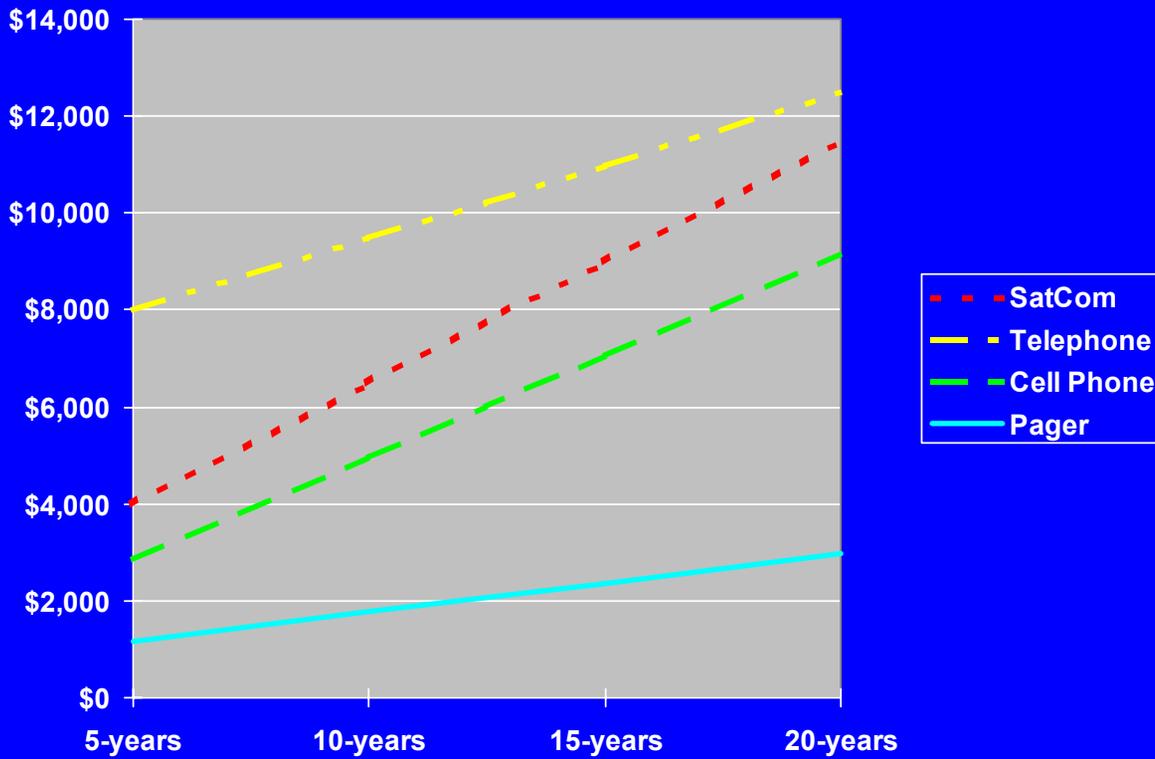


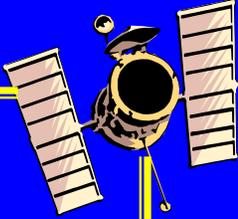
Cost Comparison - Satellite-based





Life Cycle Cost Comparison





Conclusions

- Cost-effective wireless coverage
- Seamless coverage across entire US
- Good for applications involving small data quantities (less than 5000 bytes)
 - Traffic Monitoring
 - Signal Monitoring
 - Variable Message Signs
 - Weather Stations
 - Event Monitoring