

TILSON

Chuck Gerry – Director of Utilities



Who is Tilson?

- Team of 60 IT and telecom consulting and implementation support professionals
- Experts in network planning, RF engineering, technical implementation, construction management, and site acquisition
- Past performance with 620k meter AMI deployment in Maine, USA for Central Maine Power (Iberdrola USA), as well as grid automation and AMI consulting for Pacific Gas and Electric, Rochester Gas and Electric, New York Electric and Gas, and Victoria Electric Cooperative

How did we land in smart grid

- Implementing cellular networks for carriers and OEMs
- Building fiber for electricians and carriers
- Building networks for internet service providers
- ***Smart grids are carrier networks! They require similar rigor***

Which solution is right for each geographic area?

General packet radio service (GPRS) – Available most places
but ongoing O&M

Point to Multipoint Licensed/Unlicensed
MESH

Infrastructure Assessment

Microwave

DSL

Fiber

PLC

Cellular



Challenges

Indoor Meters



Clutter – trees, buildings, and other structures

Terrain

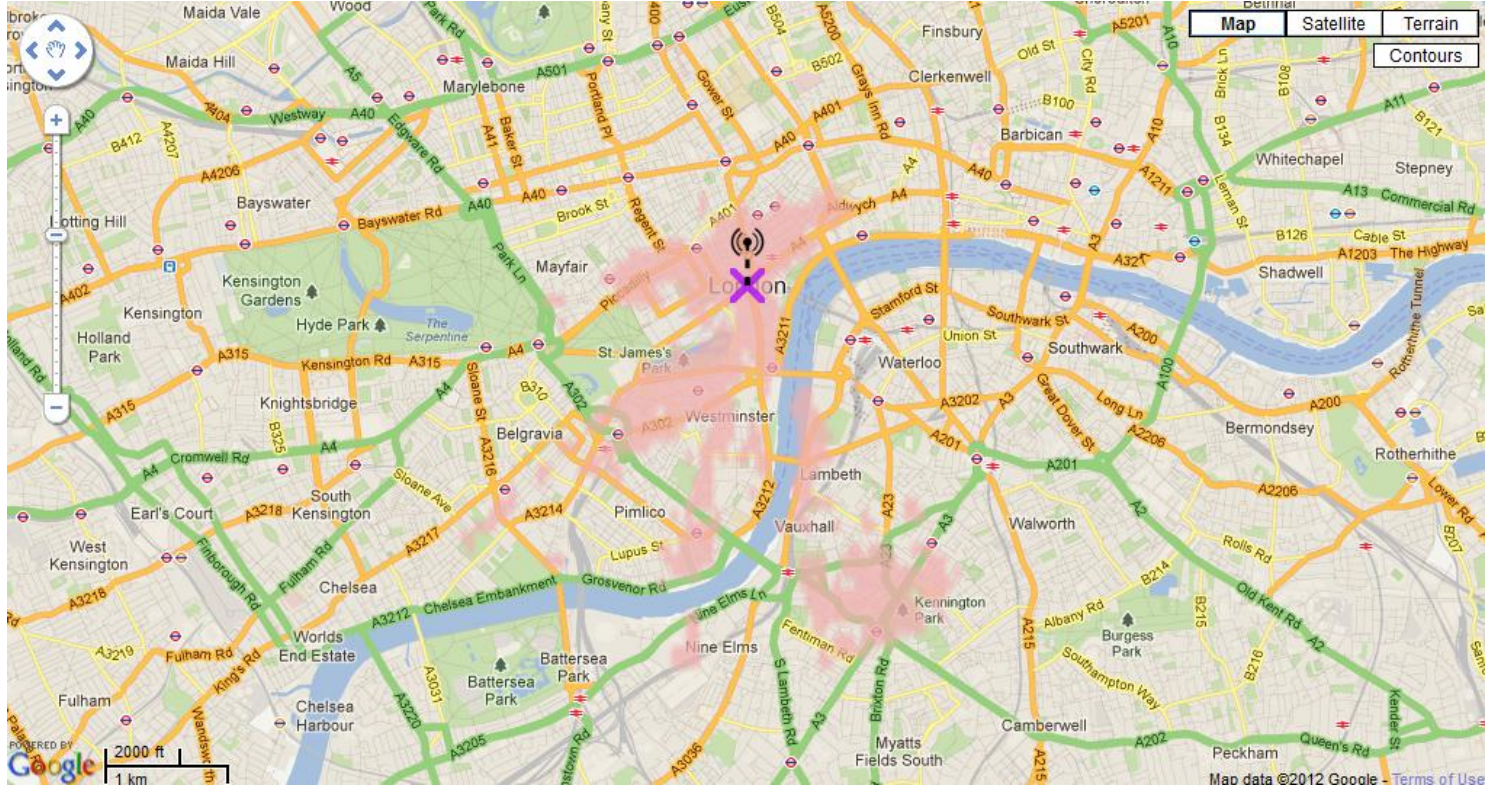
RF Interference





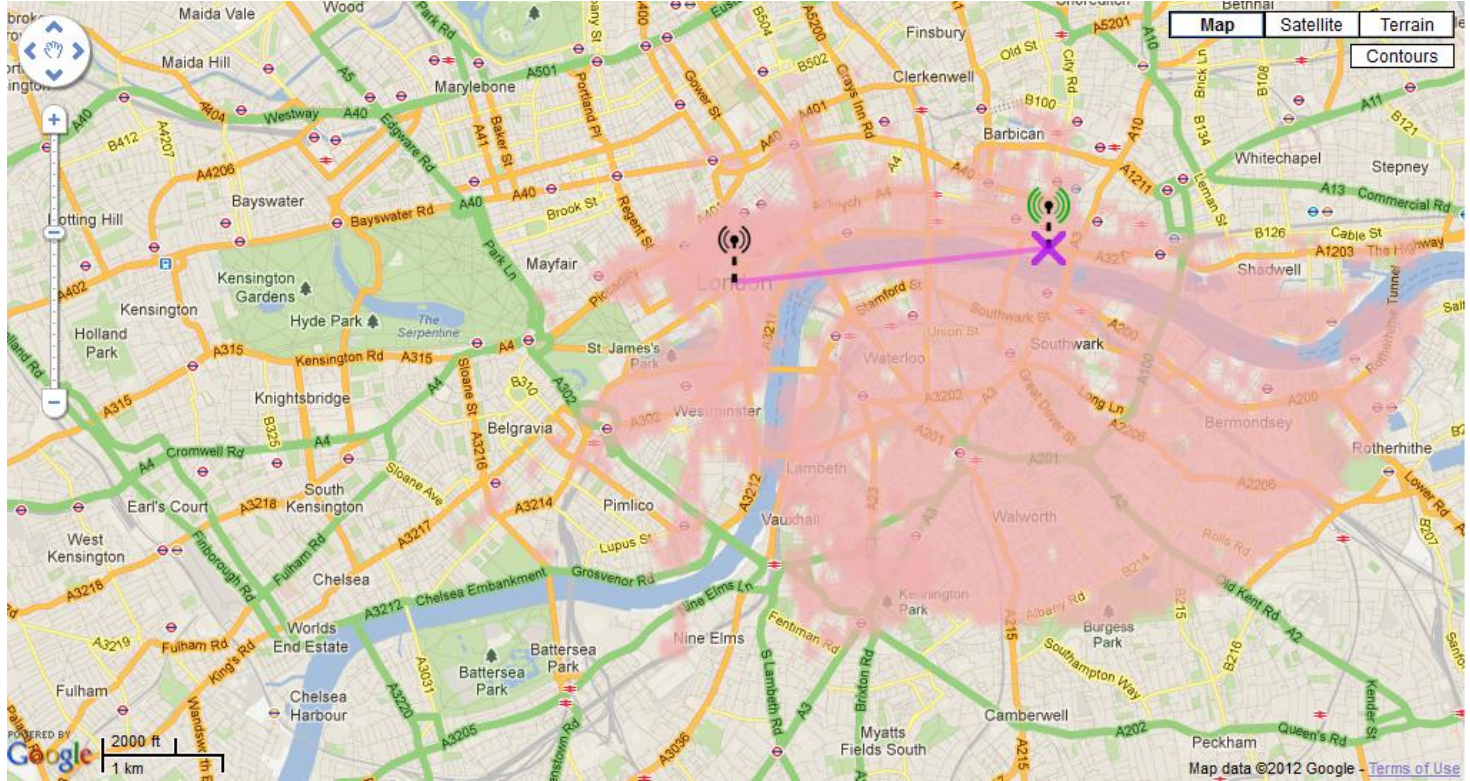
TILSON

Survey & Plan





Survey & Plan





TILSON

Saving on O&M

