



Wireless Networking in the Developing World

A slide show

January 27, 2009

How do you get Internet here? (Marranito, Dominican Republic)



Or here? (Kigali, Rwanda)



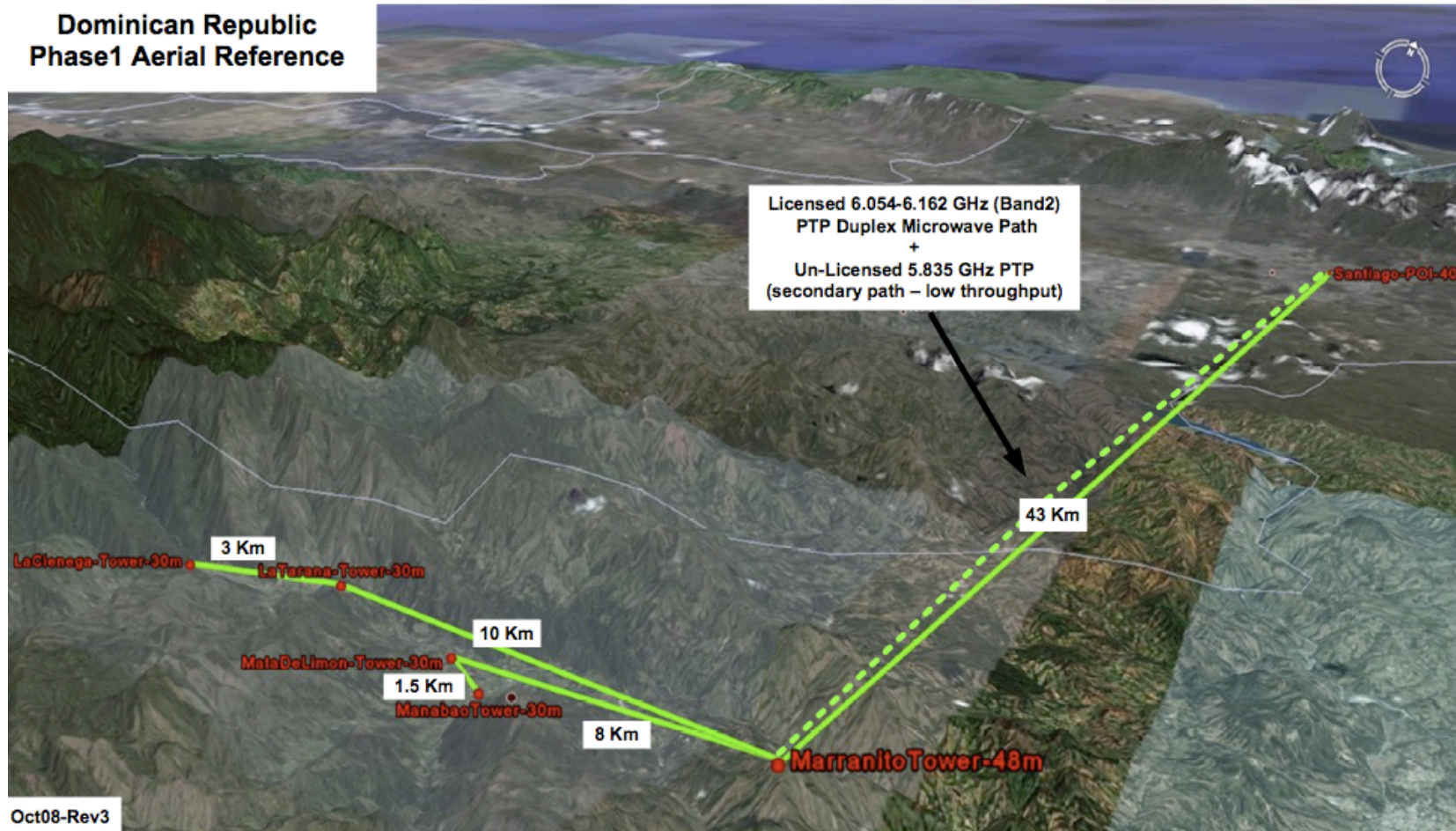
Lunch! (Probably could use some networking too)



Basic Design



Dominican Republic Phase1 Aerial Reference





- Expect Imperfect Information
- Expect Changes
- Expect Language Barriers
- Expect Expertise Barriers
- Expect Expectation Barriers!!

Tower



Put a tower on a house
(Note the old tower on the right)



Power



Install power
Batteries with solar,
commercial power as
backup



Configure the Equipment



Climb the tower



Back at the user's house



Put in an antenna

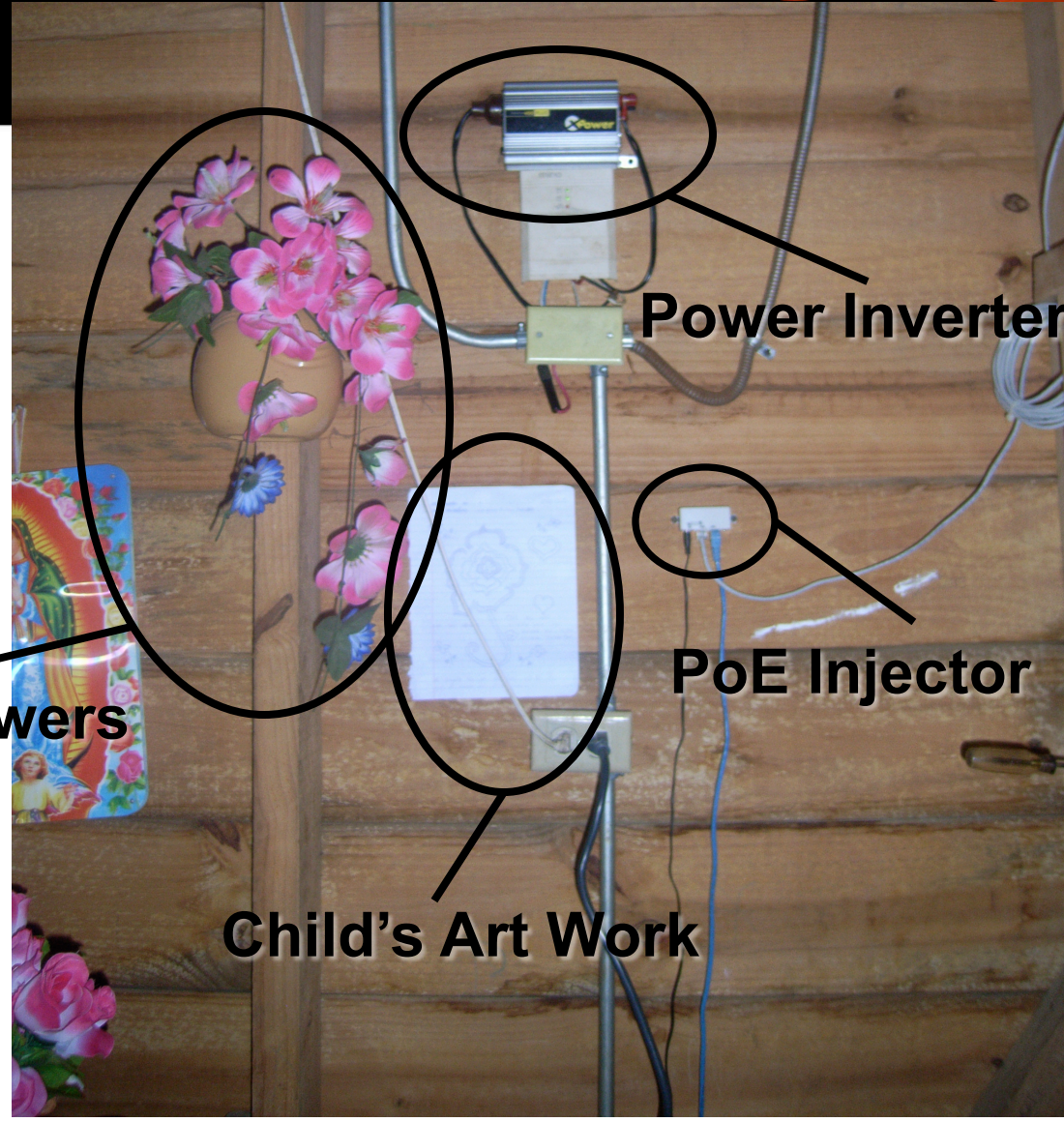


Run cabling



Need power? Solar!



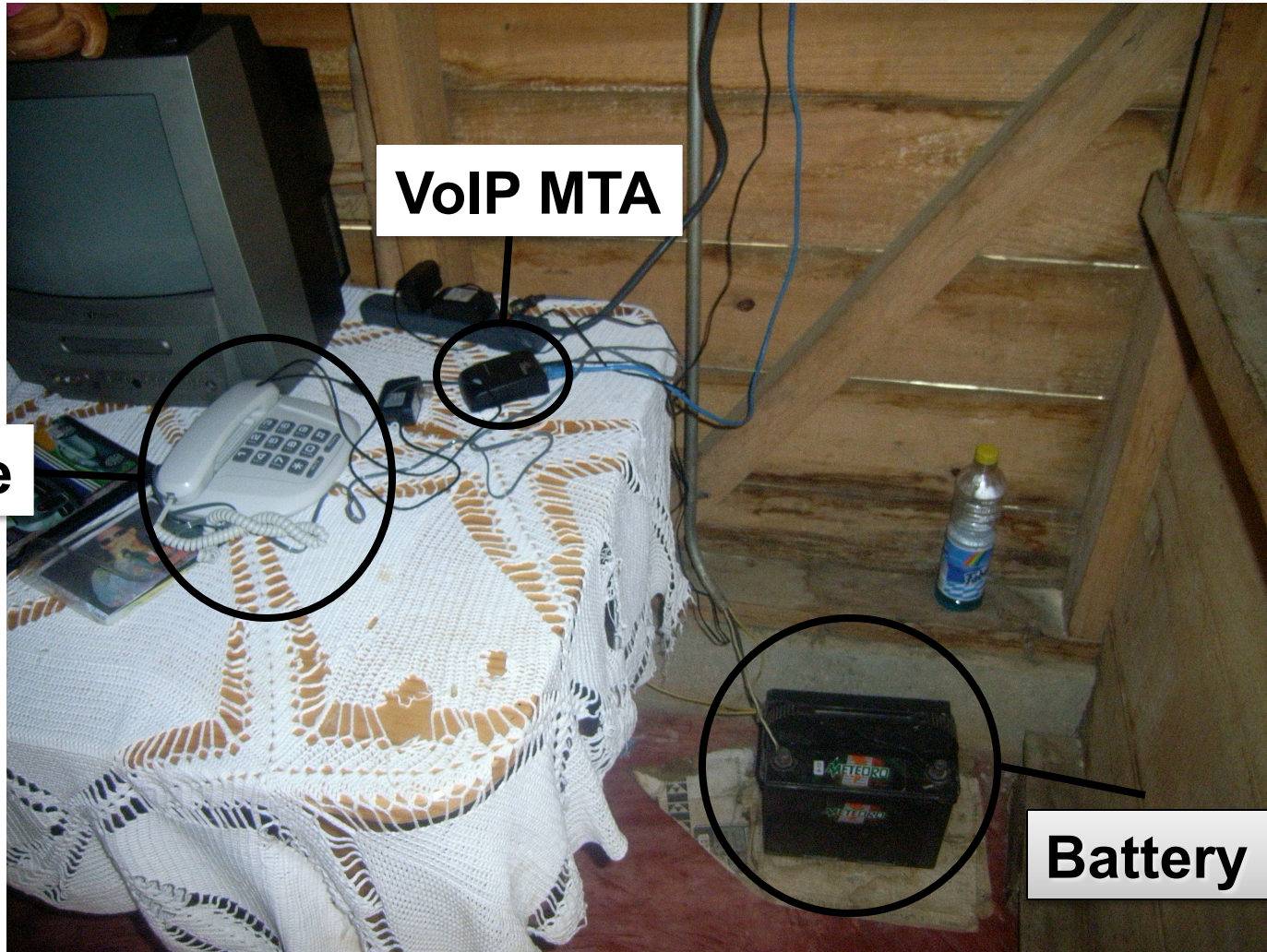


Plastic Flowers

Power Inverter

PoE Injector

Child's Art Work



VoIP MTA

Phone

Battery



Thanks!
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