

Open Source Community Mobile Networks













PEARL LAGOON



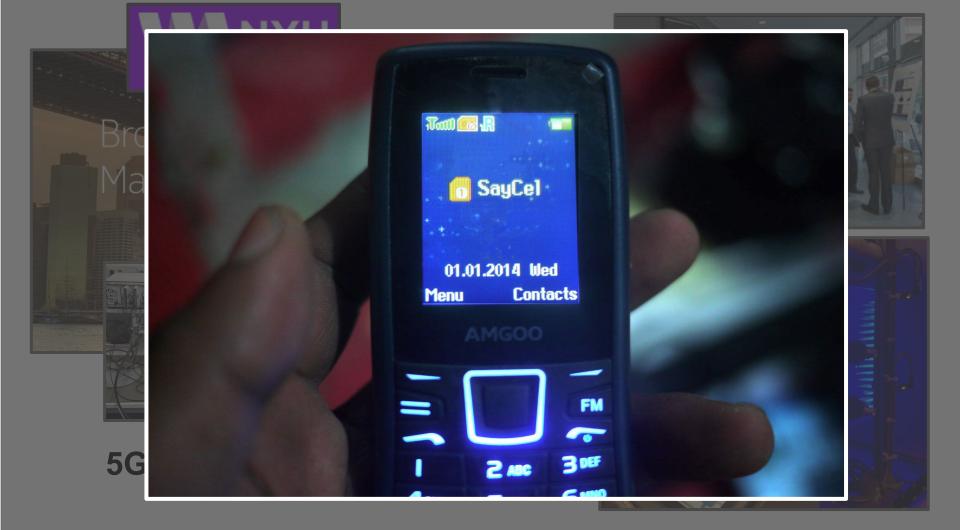
unicefinnovationfund.org







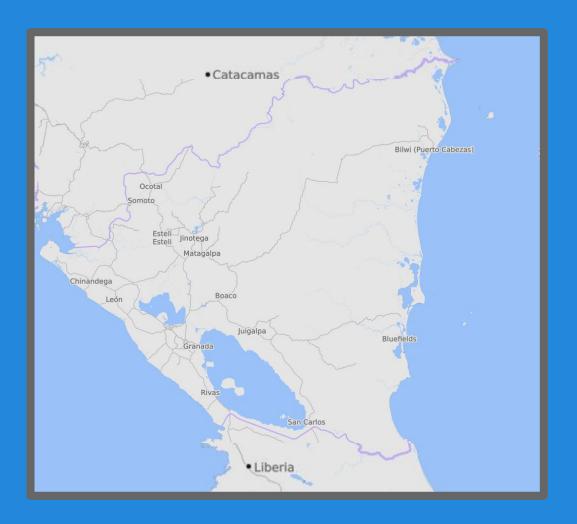




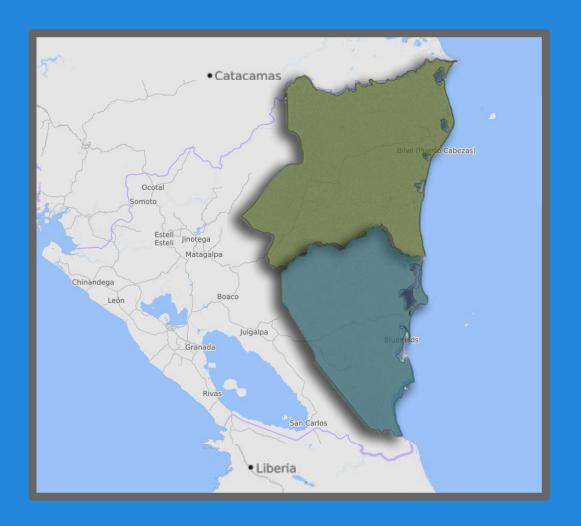




Communications Infrastructure



Nicaragua



Autonomous Atlantic Region











GROWERS, PURCHASERS AND

EXPORTERS OF BANANAS.

REGULAR FREIGHT

SERVICE

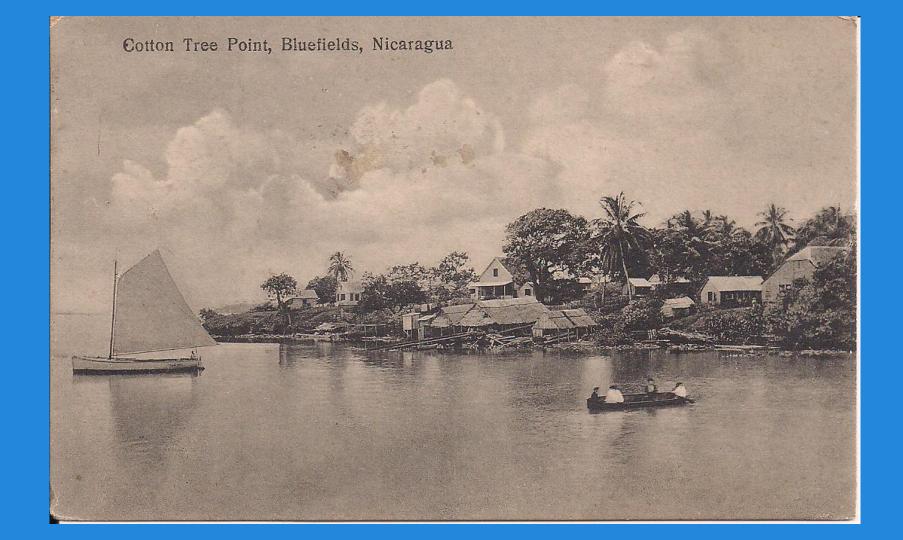
るともととと 意としてしている意

AND PASSENGER

BETWEEN

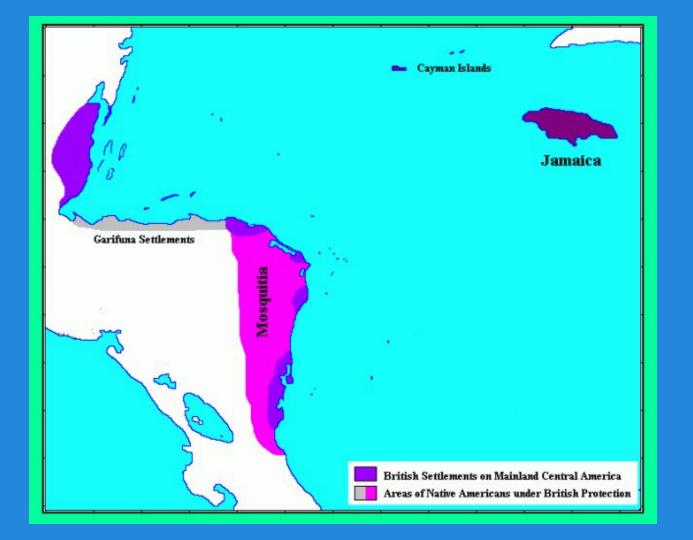
NEW ORLEANS

CIENFUEGOS





Miskito King

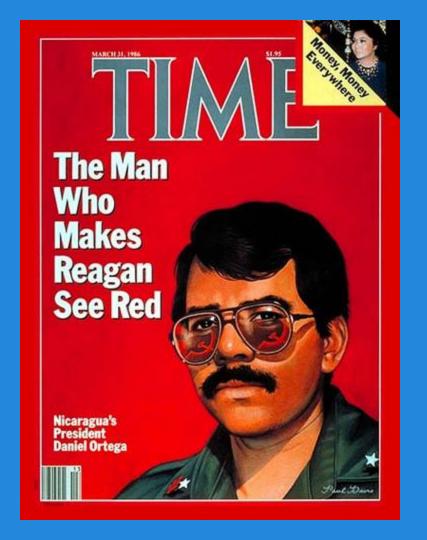




1979

Sandinista Revolution















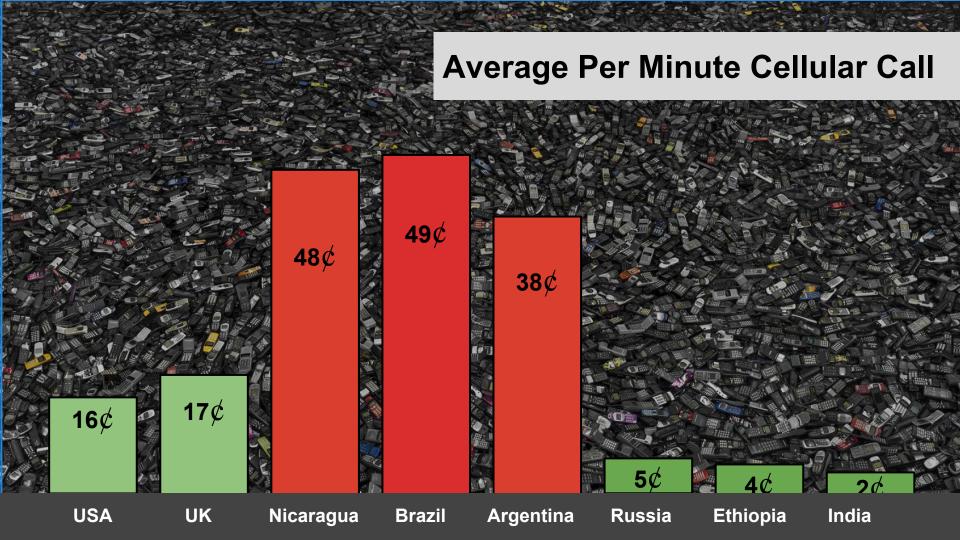




Multimedia Center

2005-2012







Nicaraguans spend up to 25% of their income on communication

Major Telecoms

Don't Invest in Low Density Low Income Areas



People can't call a doctor.



700 Million users without cellular coverage

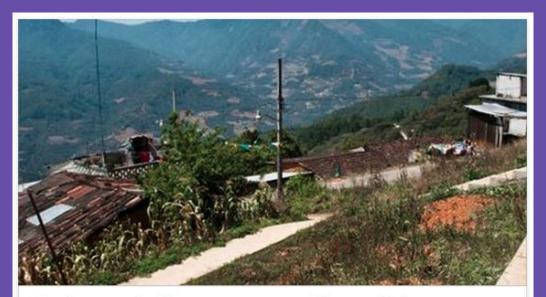


UN's International Telecommunication Union





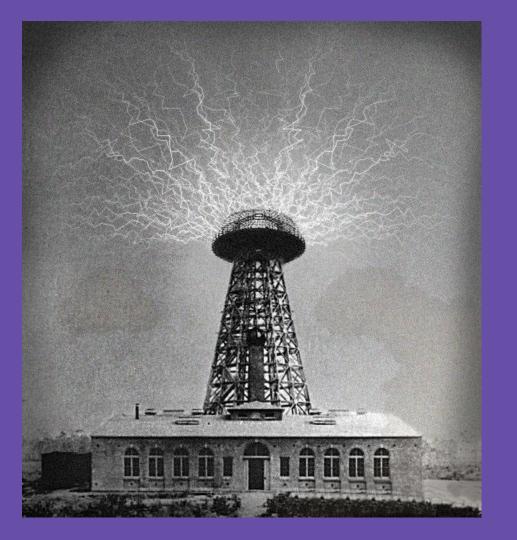
Interactive Telecommunications Program



Mexico sees its first open-source village cellphone network

158 77 Share This Story!Let friends in your social network know what you are reading aboutFacebookEmailTwitterGoogle+LinkedInMexico sees its first open-source village...

USATODAY.COM



Towers of Power

ITPG-GT.2699.001:

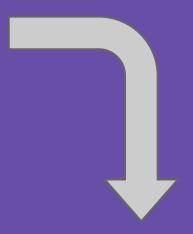
Learn about GSM cellular infrastructure by building your own network using open source hardware and software.



Software Based Cellular Networks









Harald Walte

Open Source GSM Network





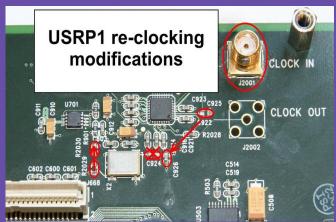
USRP 1

Linux Computer

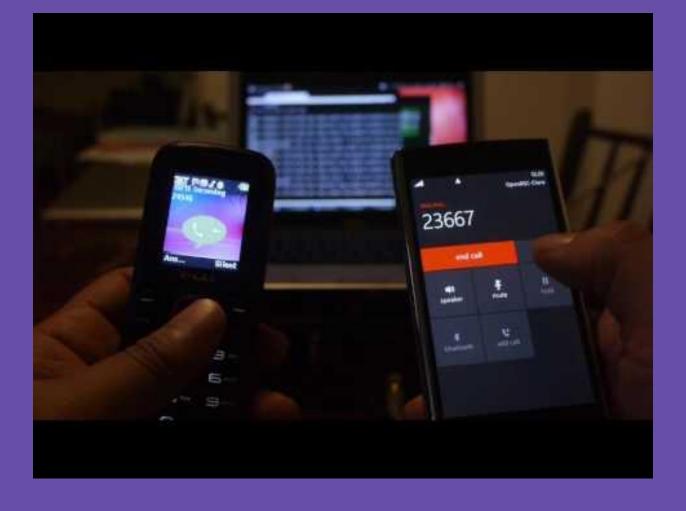


















Community Mobile Networks







Meetings with Communal Government

Equipment



BSCBase Station
Controller

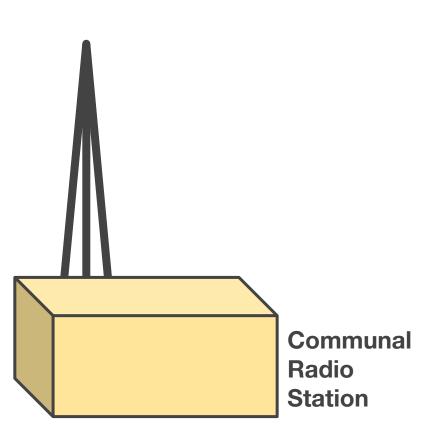


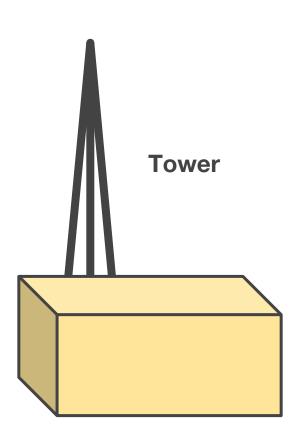
BTS
Base Transceiver
Station

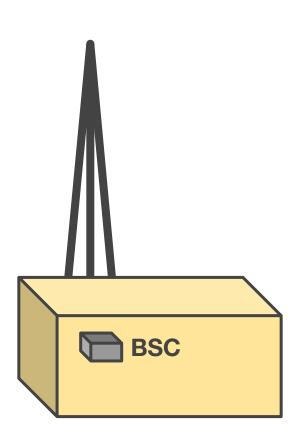


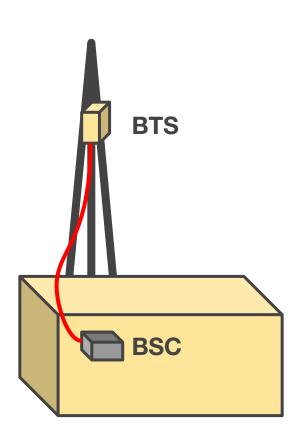
Antennas
Omni-Directional

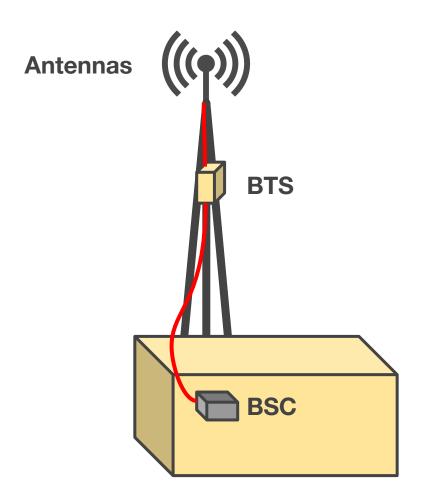


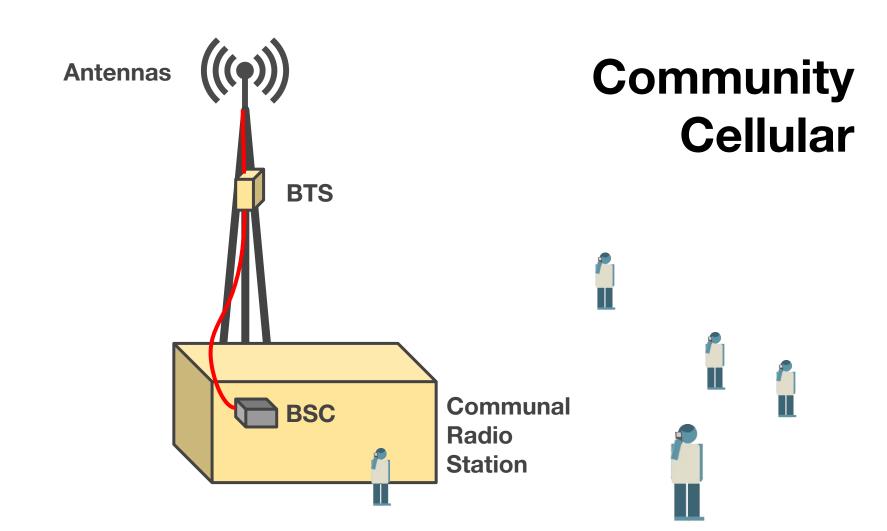


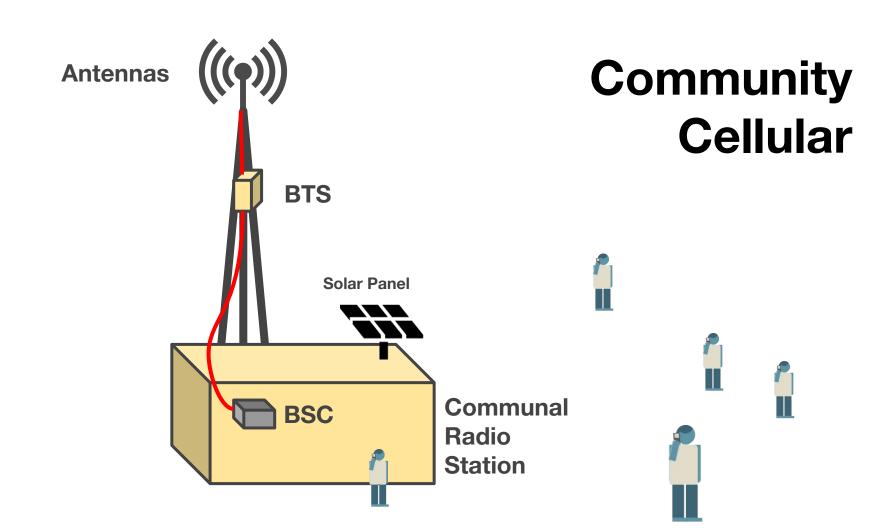


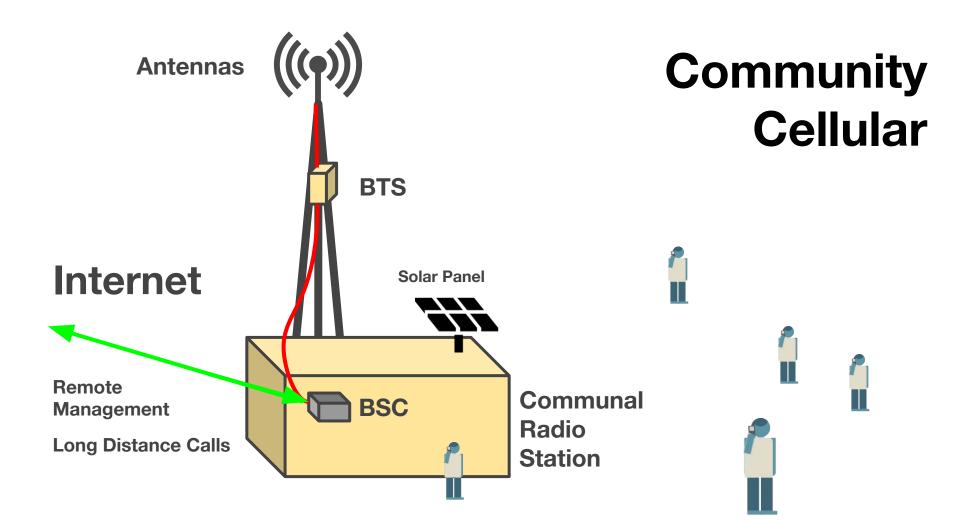




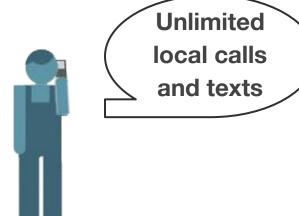




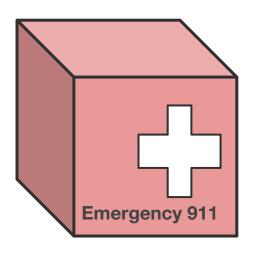




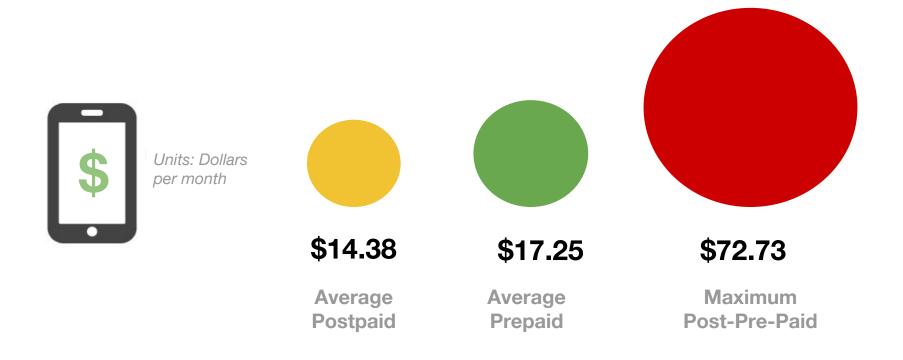
Community Cellular Services







Pearl Lagoon Study







NYU STERN
Entrepreneurial
Challenge

Social Venture Award















FISHLINE SMS Community Advertising





SELL ANYTHING NOT JUST FISH!





SHOP?

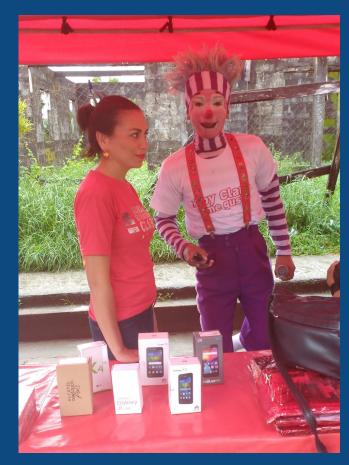
ADVERTISE WITH

AND GET
ANNOUNCEMENT ON THE
RPDIO



Challenges





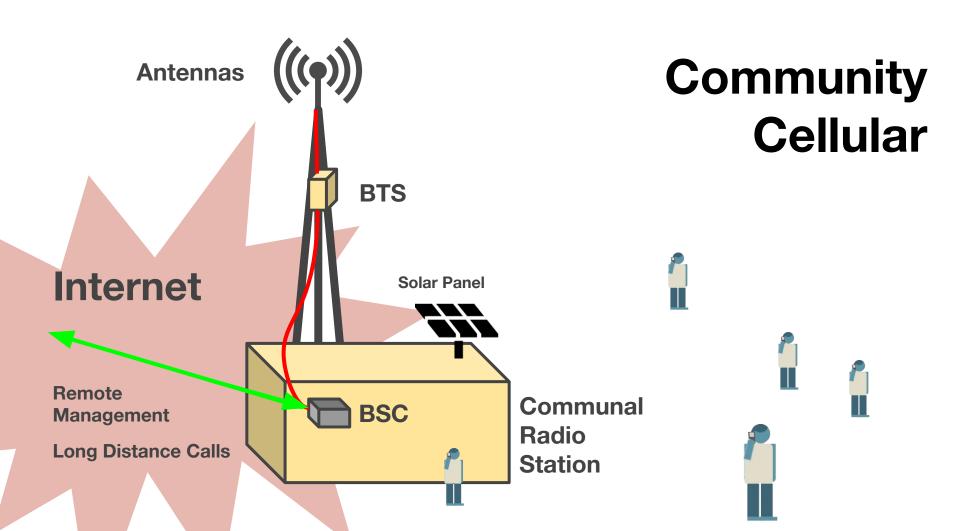


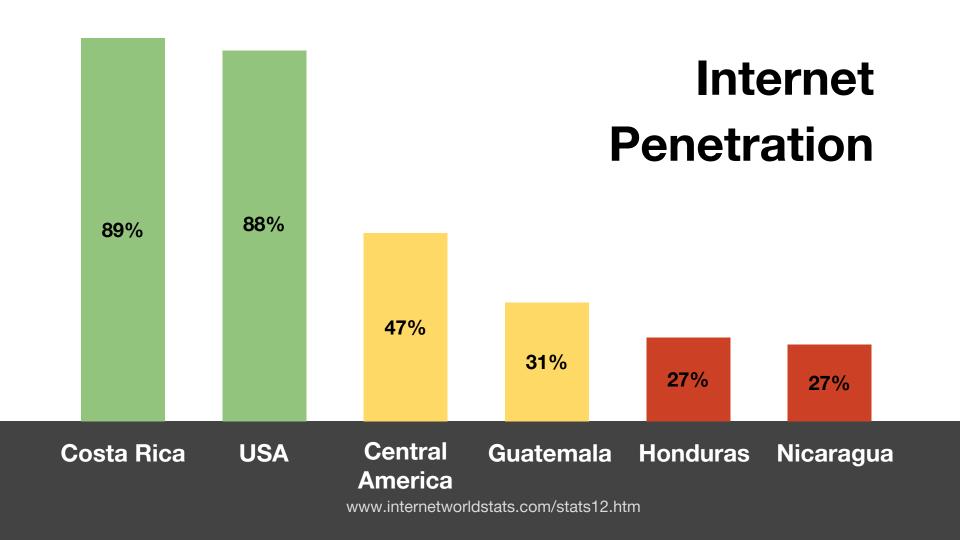
Electricity & & Infrastructure





Internet Backhaul









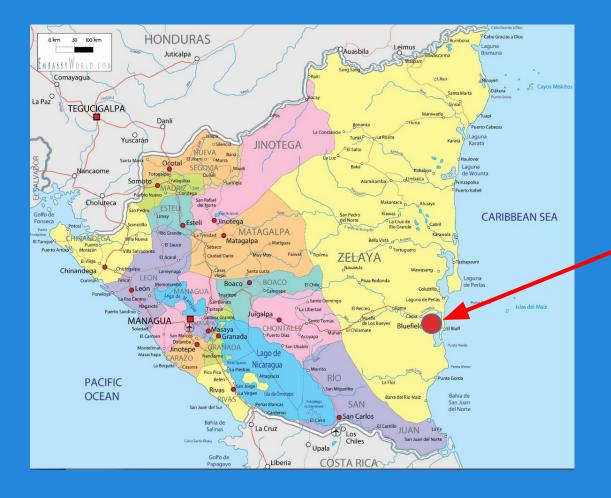








Fastest Internet Nicaragua



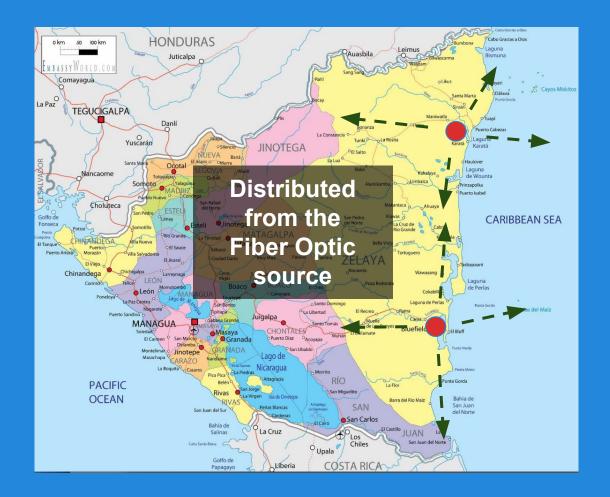
Bluefields Colocation Facility



Bluefields Colocation Facility



Bluefields Colocation Facility







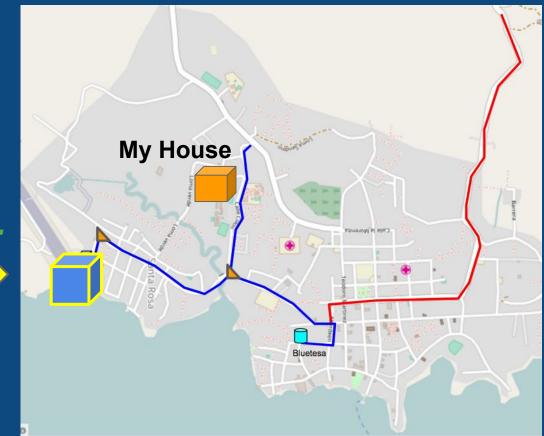


Fiber Connection









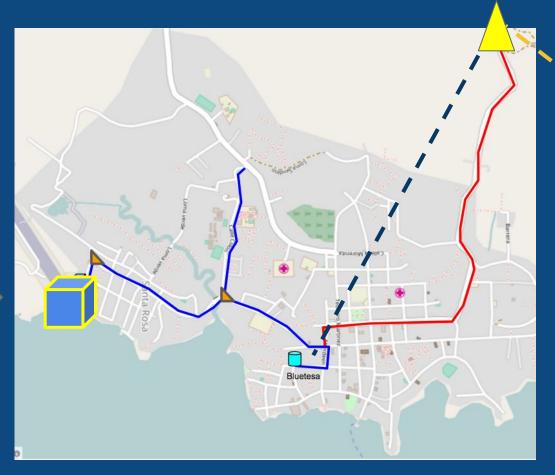
























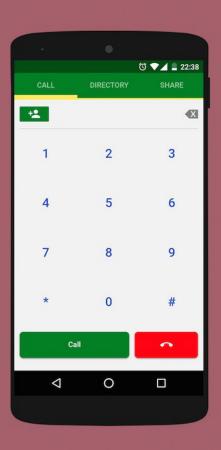






Internet Service Provider



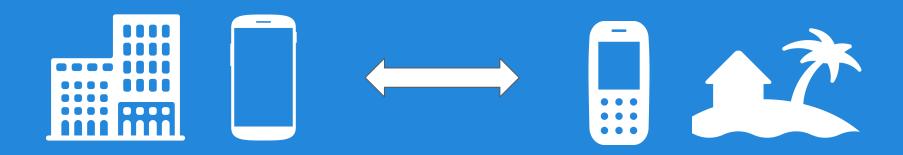


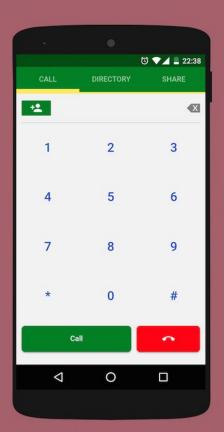
WebPh.one

Open Source Communication App for Community Networks

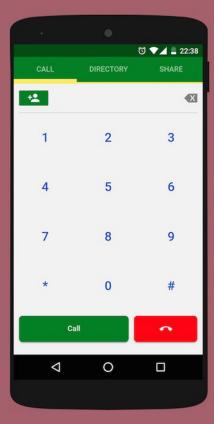
Internet Networks

Community Networks



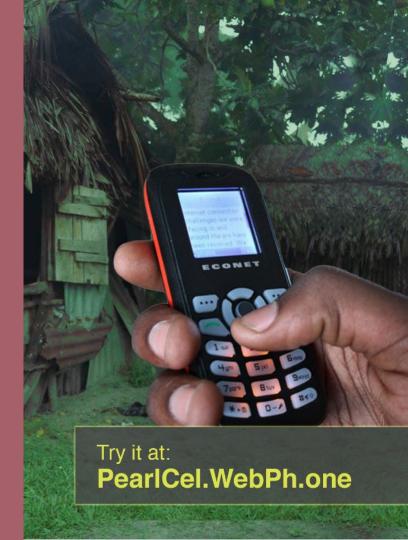


WebPh.one

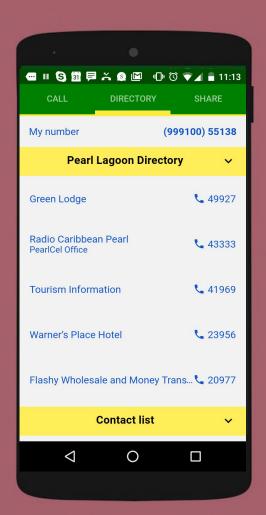


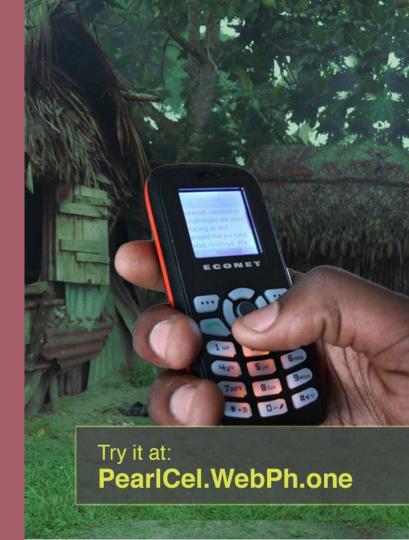


WebPh.one



Local Directory









Large Local Area Network Bluefields





Large Local Area Network Bluefields





Large Local Area Network Bluefields











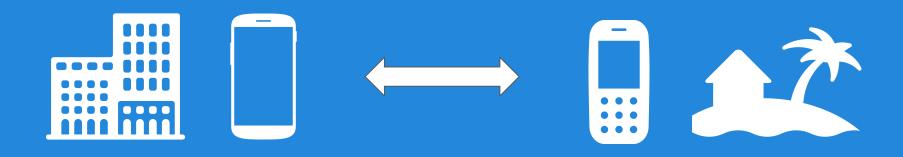




SayCel.com Webphone.saycel.com PearlCel.WebPh.one Facebook.com/SayCelNica

Intarnet Internet Networks

Community Networks



Intarnet <u>Internet</u> Networks

Community Networks











TELECOM INFRA PROJECT



Problem: Call from a web-enabled device to a Open Source Cellular BTS

