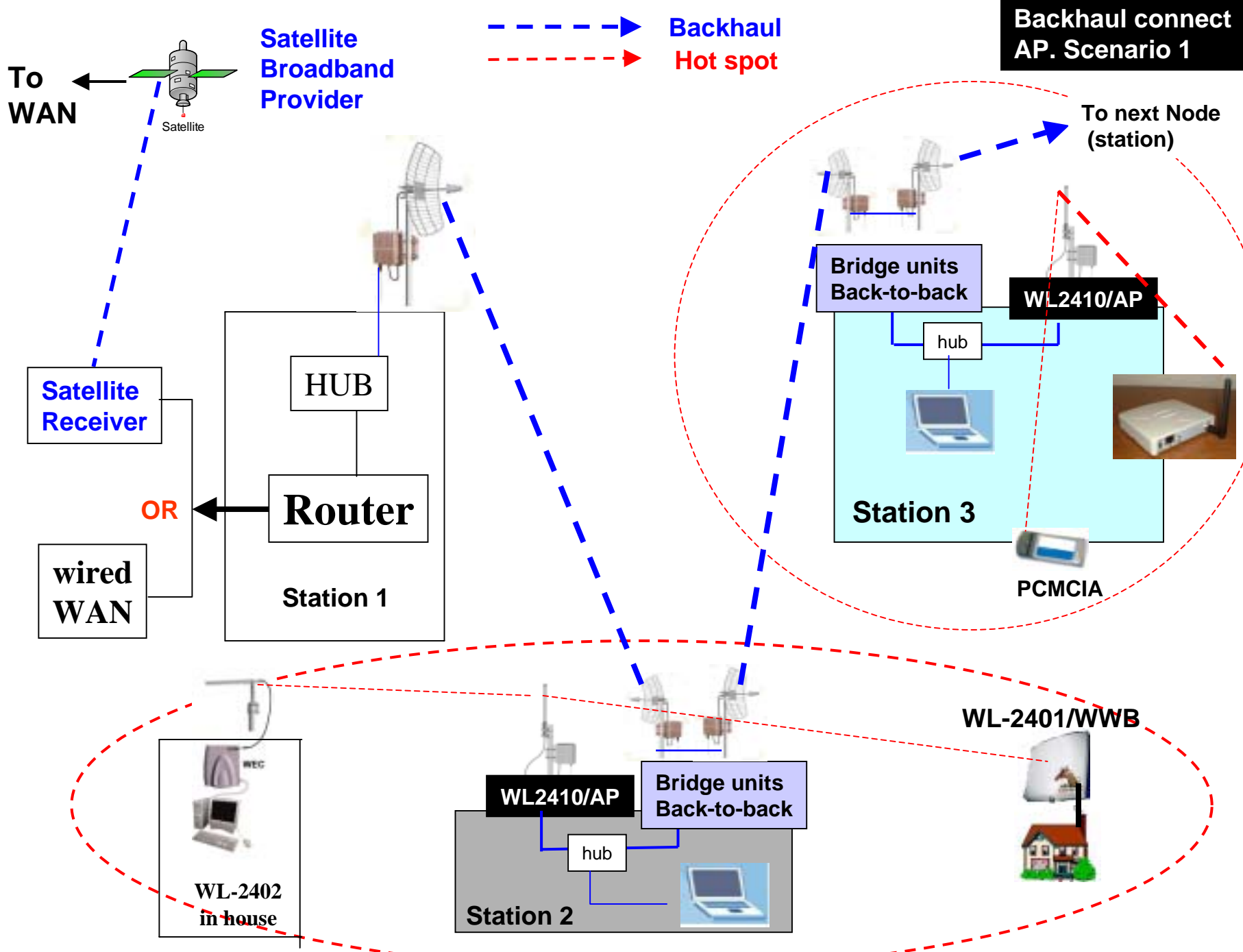


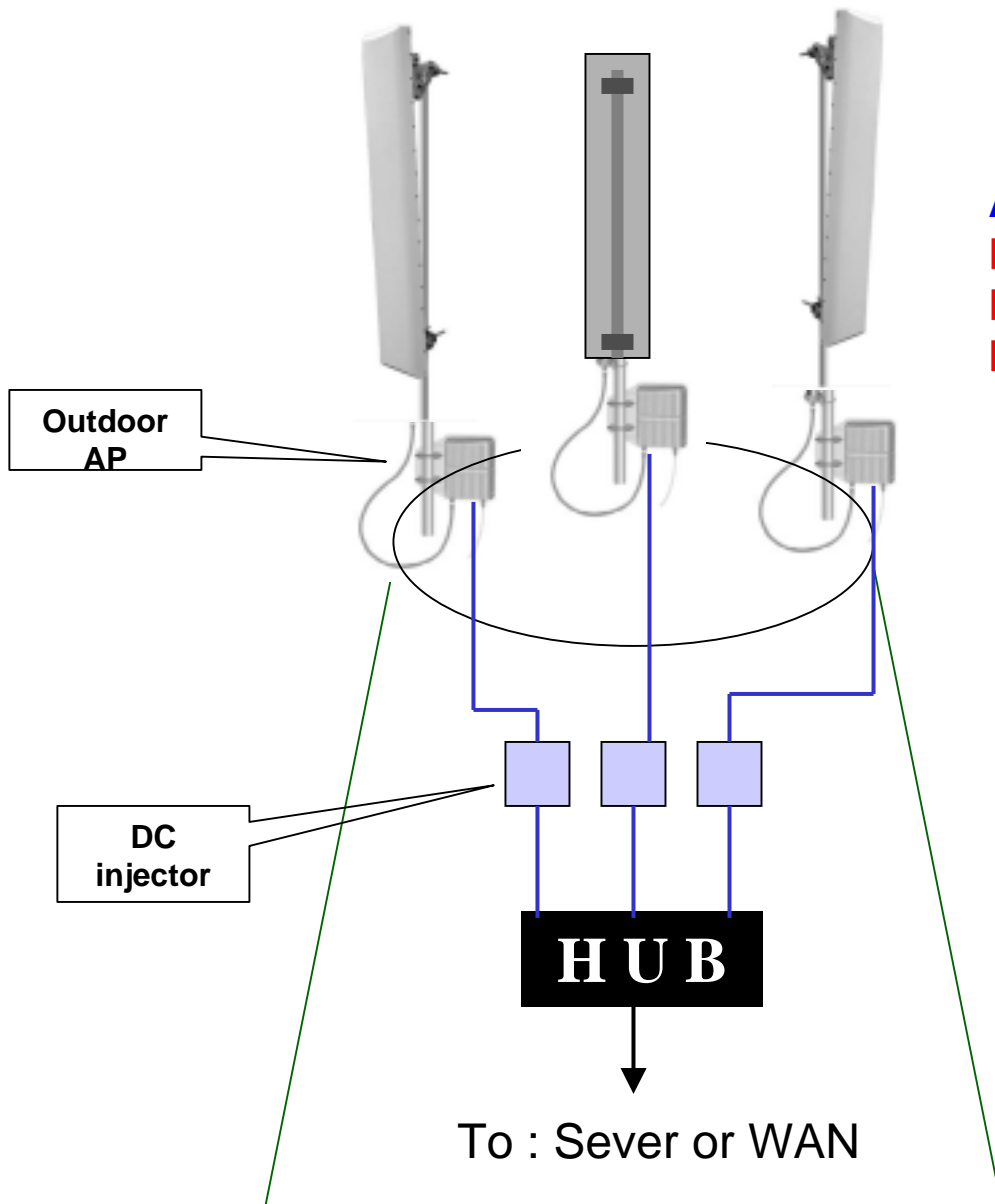


Long Range Wireless LAN Platform

WISP in Colombia

June, 2008





**AP + 120-degree antenna
back-to-back scenario
Each antenna covers 120 degree
Distance among antennas: 3 meters
RF channel spaced by 6 channels**

Advantages:

**Best Coverage and Reliability !!
Big bandwidth for each tower (3 times)
High flexibility of RF channel options !!**

Advantages of Tower:

Beam width: 360 degree, omni-directional

Total bandwidth: Multiplied by number of AP

**Channel Flexibility: 39 channels.
Overlapping channels with other tower: many, many....**

**AP (WL-2410GM) with sectorized
omni-directional array with 3 x 120-
degree sectorial antennas**





Under tower control cabin

Component 1: Long range backhaul



**xLink-5801a,
802.11a, 5~5.8GHz,
200mW/23dBm
Backhaul**



True outdoor unit, POE design,
-35c~70c, weather-proof

Component 2: Node AP



WL-2410/GM, 1 watt

802.11g, (AP/Client/Repeater/Bridge)

With omni antenna or sectorial 120-degree antenna; or omni-directional array with 3 x 120-degree sectorial antennas



Component 3: fixed CPE



**ASU-24005G,
802.11g, 100mW
AP/Client/Bridge/
Repeater**

Plastic cost-effective
outdoor unit, POE design,
-15c~65c, weather-proof

Component 4: Mobile CPE

AQ-500H Network Administrator for client authentication and management.



2000 subscriber account
DHCP server
User Management
Current Status Monitoring
Route re-Direction and Extension
Bandwidth management

500 users on-line simultaneously
Authentication
Traffic Report
Firewall
Load Balancing
Billing.....

X-LIN

Innovation
Thank you !

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