



Wi-Fi Hotzone Coverage

## Powerful Wireless Technology

- Developer
- Manufacturer



## Wireless technology designed for city & county size network capacity

- Municipalities
- Public Facilities
- Loading Docks
- Ships
- Businesses
- Marinas
- Hotels
- Residential
- Underserved areas



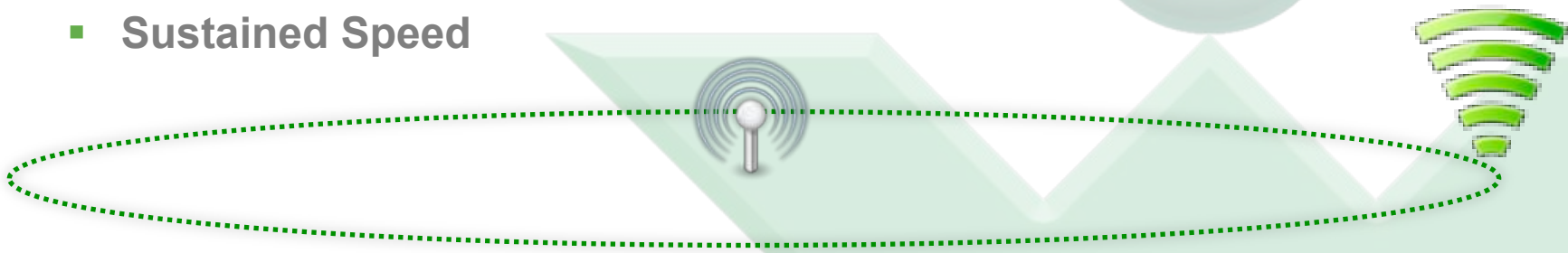
## Standard Industry Access Points:

- **Small radius** range per device
- **Loss of quality and speed** with increased distance



## One Wi-Gate 300-8 Outdoor Access Point:

- **Quarter mile** direct Wi-Fi connectivity
- **Half Mile** connectivity with Customer Premise Equipment (CPE)
- **Sustained Quality**
- **Sustained Speed**



# Incredible Reach and Speed

## Average competitor AP radius range

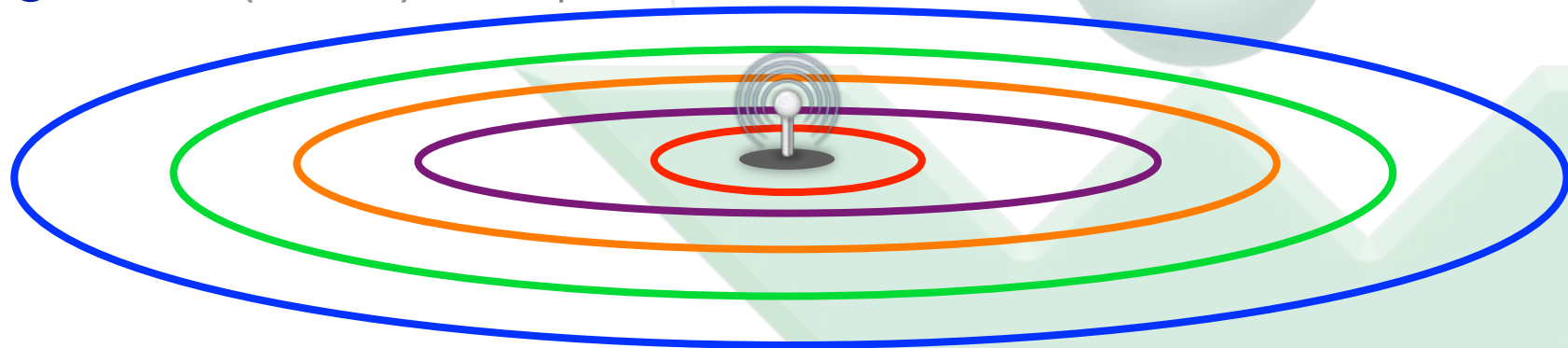
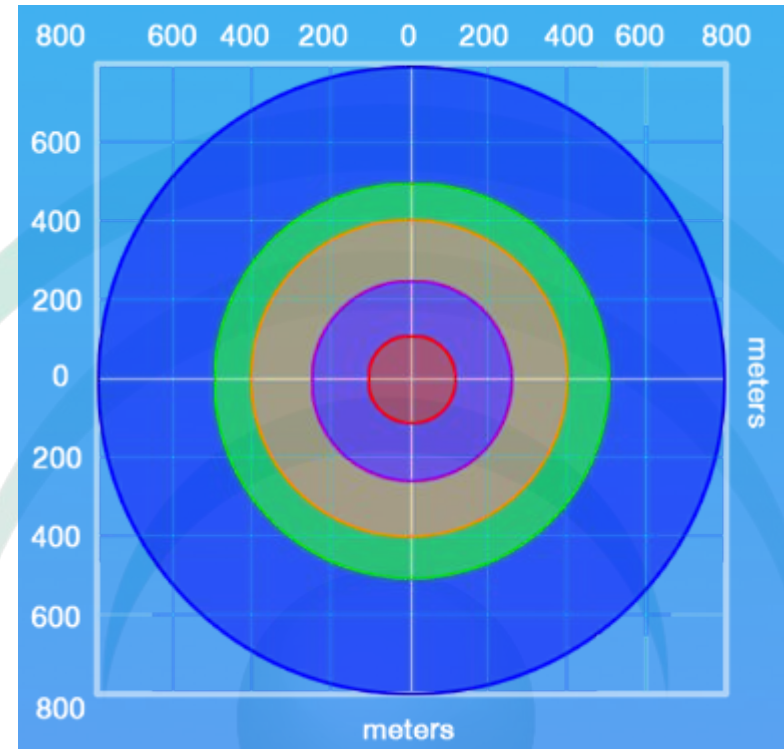
- 45 -135 Mts. Radius

## Direct Wi-Fi Connectivity

- 250 Mts. (0.15 mile) / 54 Mbps
- 400 Mts. (0.25 mile) / 11 Mbps

## With Customer Premise Equipment (CPE)

- 500 Mts. (0.3 mile) / 54 Mbps
- 800 Mts. (0.5 mile) / 11 Mbps



## Each Wi-Gate is a Network

- ½ Mile Radius Signal Range
- VPN server (128 bit encryption)
- Encrypted Mesh Support
- Pentium 4 class processor
- Network Access Translation Support (NAT)
- Bandwidth Shaper
- Quality of Service ( three levels)
- Traffic Analyzer
- Port Mapping Support
- Client Signal Analyzer
- Modular Design
- Patented Hermetically Sealed Enclosure



**Patented Hermetic Seal: Nema 3.3R, 4.4X, 12, & 13 complaint. Withstands hot, cold and humid weather. Its hermetically sealed patented design dissipates heat & cold thus stabilizing internal temperature.**

## Wi-Gate creates an Interdependent Network Structure

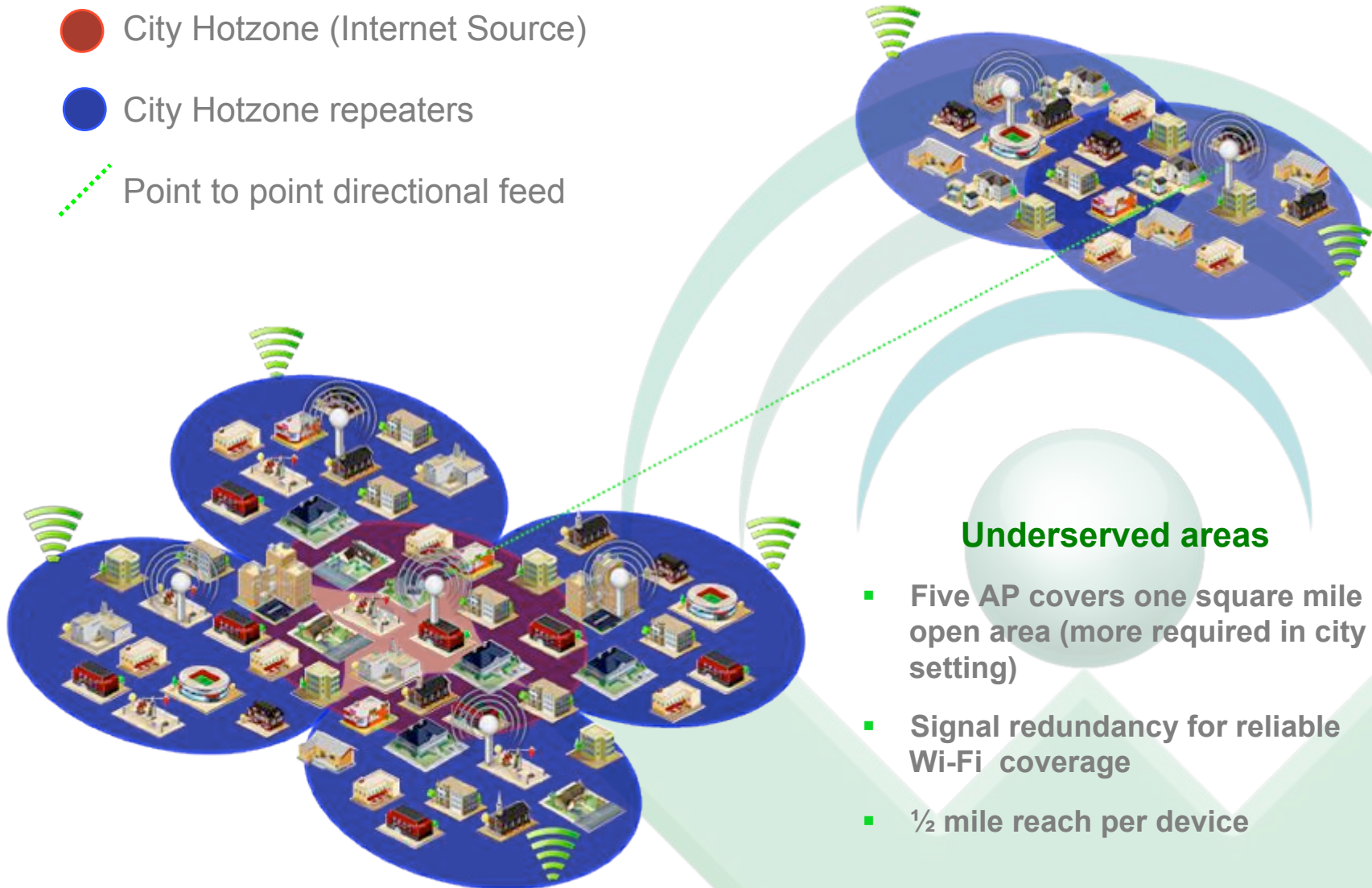
- **Reliable:** If one AP fails the network will reroute itself and still provide service
- **Secure:** VPN server, encrypted mesh, NAT support and firewall protection assures that users and network are safe from cyber threats
- **Intelligent:** QoS (3 levels), client signal analyzer, port mapping and traffic analyzer manage network users, statistics and data
- **Fast:** Pentium 4 class processor, 600Mhz speed
- **Efficient:** 250 simultaneous VPN end users, bandwidth shaper
- **Profitable:** Pay portal ready with user management programming

# Hotzones: Cover More With Less

● City Hotzone (Internet Source)

● City Hotzone repeaters

⋯ Point to point directional feed



## Underserved areas

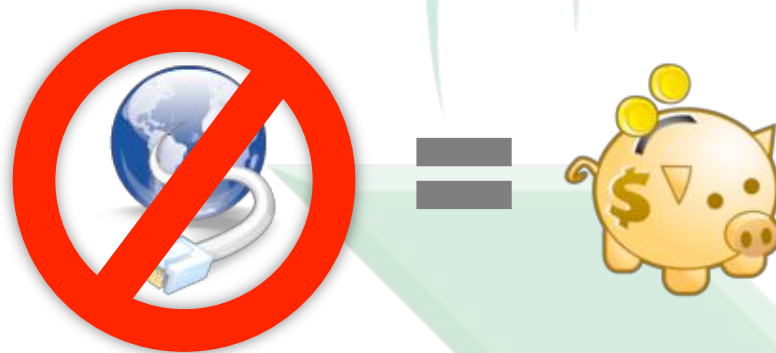
- Five AP covers one square mile open area (more required in city setting)
- Signal redundancy for reliable Wi-Fi coverage
- ½ mile reach per device

**Less access points and repeaters due to superior signal range**

**Less time installing and launching network (plug and play)**

**Less money spent on fewer devices and simple installs**

- Full Wi-Fi coverage
- Internet to underserved and non-served areas
- Public safety wireless video surveillance
- Solar powered Wi-Gate AP's for remote locations



# Amongst the Industry's Top Providers

WIALAN  
TECHNOLOGIES



MOTOROLA

## The Miami Herald

The screenshot shows a news article on MiamiHerald.com titled "GOULDS PARK Free WiFi access now available at South Dade park". The article text includes: "A free wireless service has been installed at Goulds Park as part of a six-month pilot project that companies are providing it free." and "The wireless service is not just for surfing the Web. Wireless security cameras will monitor the safety of park-goers." A red box highlights a sentence: "The wireless service is not just for surfing the Web. Wireless security cameras will monitor the safety of park-goers." A red arrow points from this box to a larger red box at the bottom of the slide containing a quote.

“Wireless Miami-Dade has partnered with WI-FI providers, Motorola, Nortel, Cisco, and **Wialan Technologies**. Each park is sponsored by a different company. Goulds Park is sponsored by Wialan.”

## The Miami Herald

*“Our partnership with Wialan Technologies will enable County residents to surf the Internet, work and learn in a pleasant outdoor setting. It will help close the digital divide and keep our parks safe through the use of wireless security cameras,” Mayor Alvarez said.*

*- Published by the office of Mayor Alvarez*



**Miami Goulds Park**

# Where Wialan Systems are Present

**WIALAN**  
TECHNOLOGIES

## Locations in U.S.

Miami Dade County, FL  
Coral Gables, FL  
Tampa, FL  
Cutler Bay, FL  
West Palm Beach, FL  
Ashland, OR  
Suffolk, MI



## Internationally:

Spain  
Venezuela  
Colombia  
Chile  
Guatemala  
Nicaragua  
Honduras  
Ecuador  
Bolivia



# Contact Information

## Company

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