



OnGo Neutral Host

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Speakers



Youssef Abdelilah

**OnGo Alliance Board member & Business working group
Chair**

Global Innovation & Strategy- Office of the CTO
American Tower



Oren Binder
Marketing Director
OnGo Alliance



Joel Lindholm

**OnGo Alliance Business Working Group
Chair**

Private LTE, CBRS and 5G at Facebook

The Indoor Cellular Coverage Challenge



Properties

- Poor indoor cellular coverage = Poor QoE
- Affects employee productivity, customer satisfaction, and property value
- Current solutions mostly target the largest properties

Operators

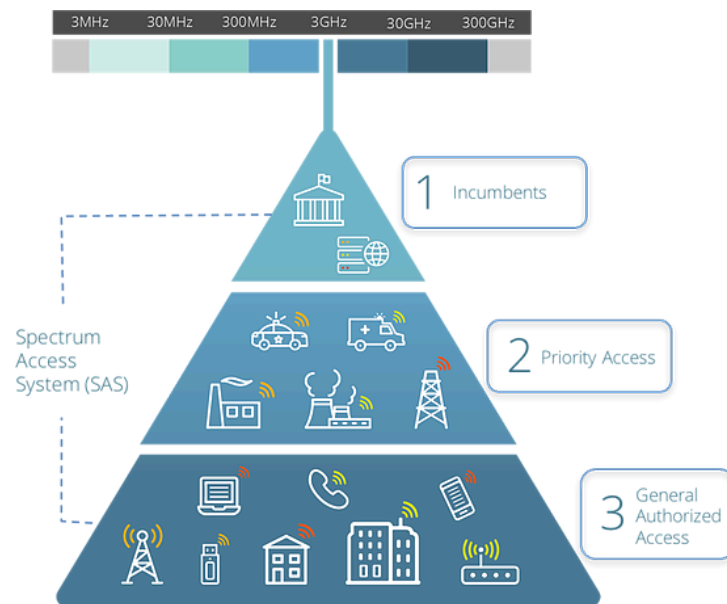
- Macro penetration is limited
- Subscribers are affected
- Have made massive spectrum investments

97-billion sq ft of potential commercial properties in the US

Enter CBRS = *The Innovation Band*

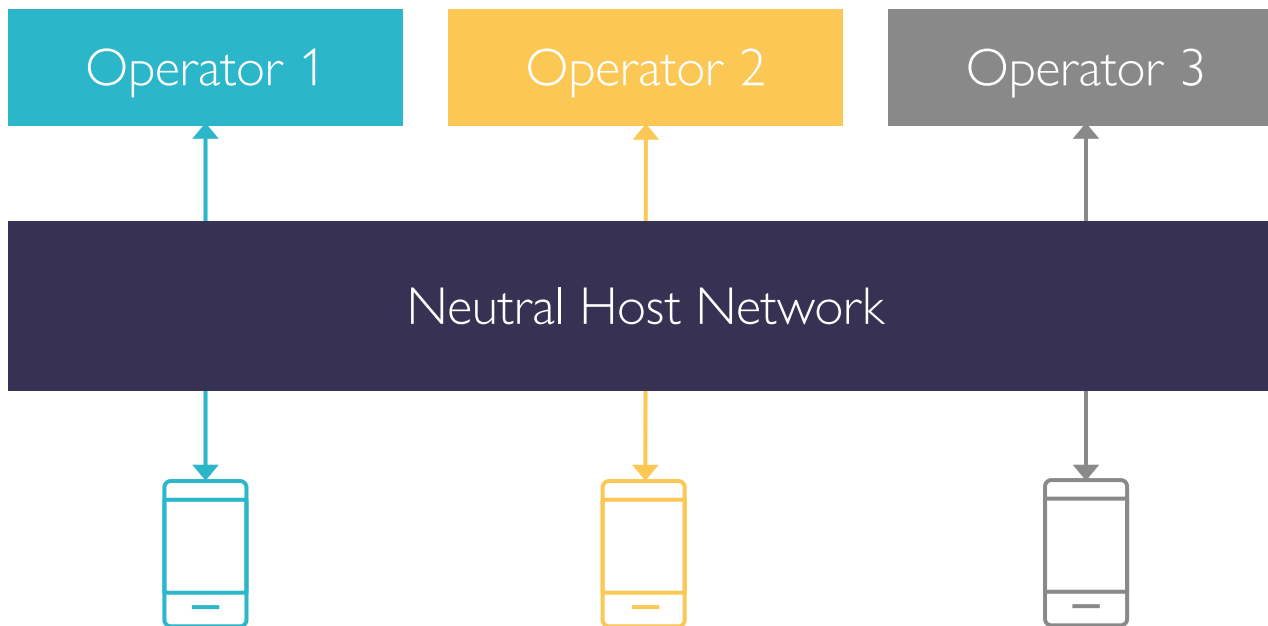
- **150 MHz** of shared mid band spectrum made **widely available**
- Automated allocation by a Spectrum Access System
- Commercially available since 1.2020
- Deployed for:
 - Private Networks
 - Fixed Wireless - Residential BB + MNO capacity
 - Neutral Host**

180K + CBRS CBSDs deployed today



What is an NHN?

Agreements between NHN Operator and Mobile Operators



Subscribers of Mobile Operators have access to OnGo NHN Network deployed by NHN Operator

CBRS for NH = Unique Opportunity

- New quality mid band spectrum – For all US buildings
- 3GPP Band (48) – Supports existing phones
- Simplifies deployment
- Automated spectrum planning
- Doesn't burden macro NWs
- Cost effective

Phones (> 30 models)



iPhone
11,12,13



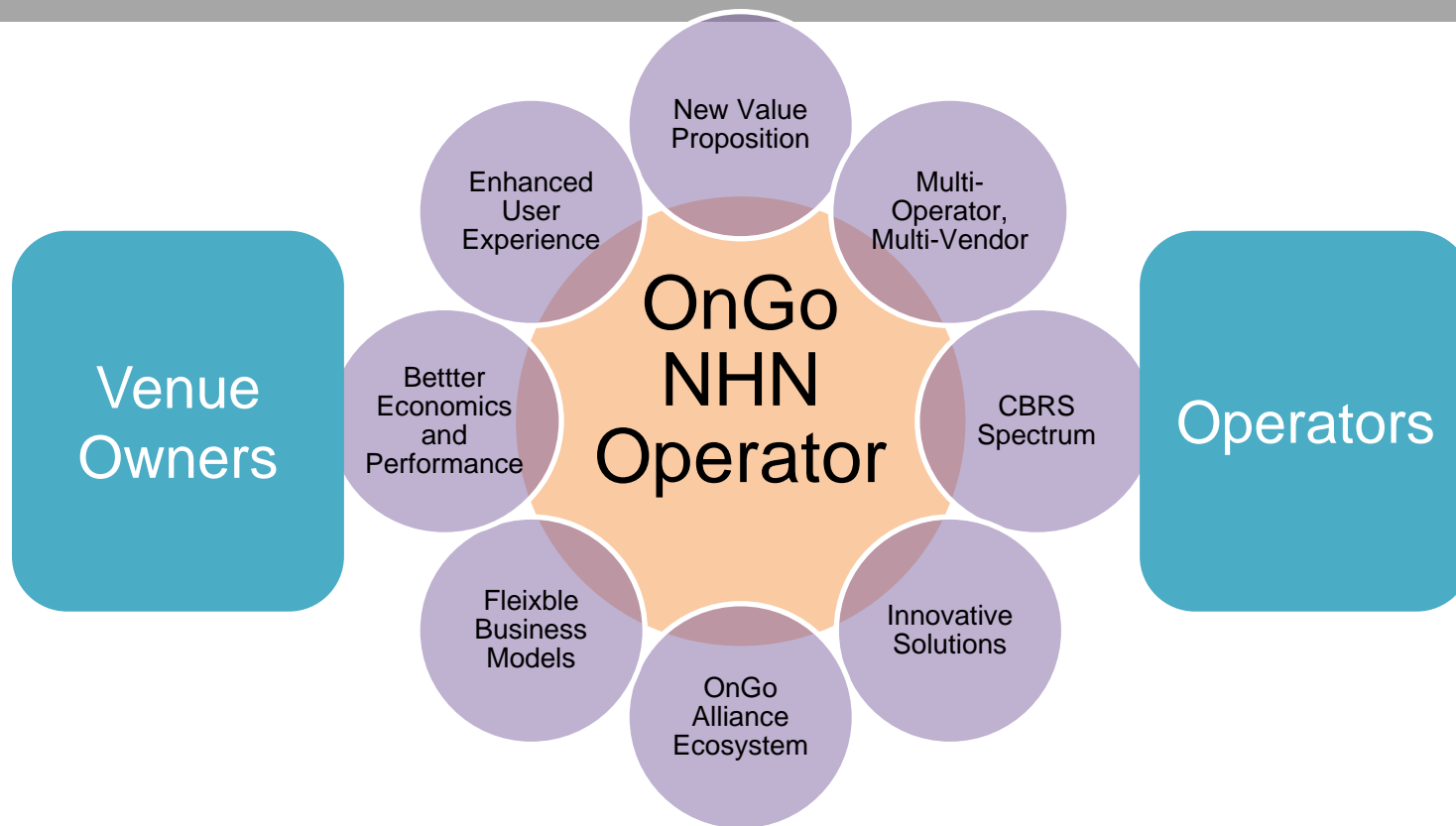
Samsung
S10,S20,S21



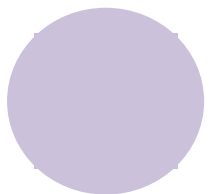
Pixel 4,5

+
Motorola
Sony
OnePlus
LG
Zebra

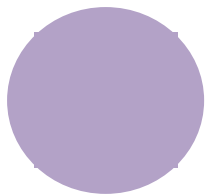
The OnGo NHN Framework



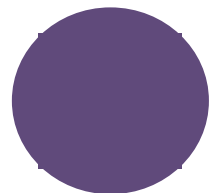
Examples of OnGo NHN Business Models



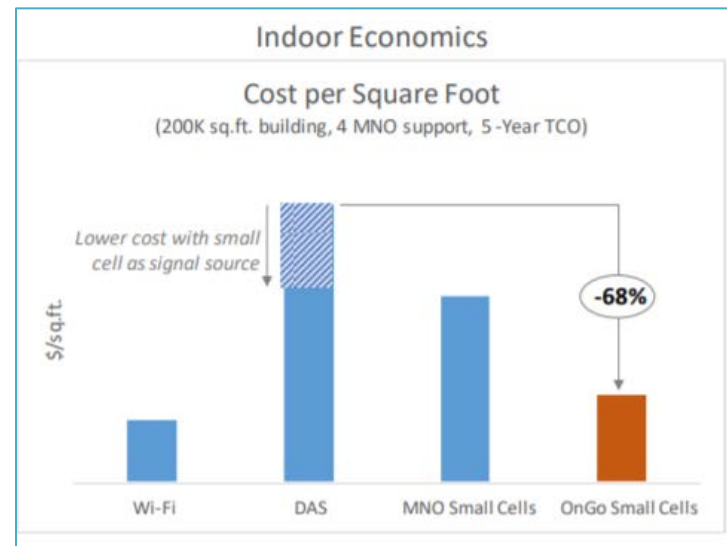
NHN as a Service



Venue Owned, Operated and Managed



Hybrid Model



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The OnGo Alliance



- Who are the 196 members?
- What do we do?
- NH Collateral
 - Deployment Guide
 - Business guide
 - Analyst Research





Q & A