

# NEXT GENERATION



**Networks | Platforms Business  
Models**

# Stake Holder Research



## Government

- Mobile Strategy
- Grow GDP
- Competition
- Future Dev.



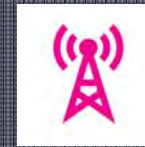
## Utility

- Safer Small Cells
- Mgt. of Pole Users
- Limit Attachments



## Public Safety

- LMR+
- Effective WiFi
- New Technology
- Cameras
- Connectivity



## Carriers

- Cost of ROW
- New Revenues
- CAPEX/OPEX
- Do Small Cells Better--Outside

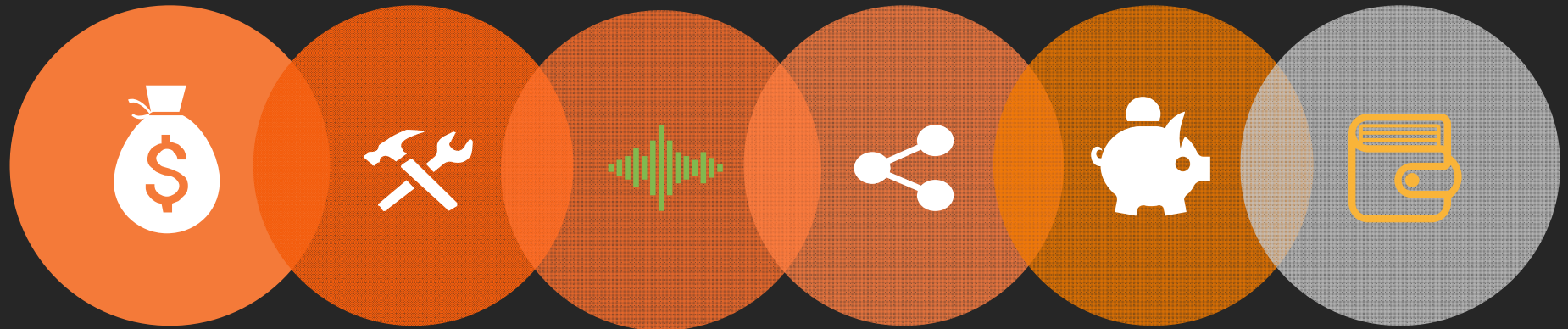


## SME

- Carrier Grade Service/SLA
- Faster/ Robust Serv. – Inside/Out
- Connectivity Cost
- Better Mobile

# Keys to Success

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**01** Grow GDP

**02** Rethink Site Solution

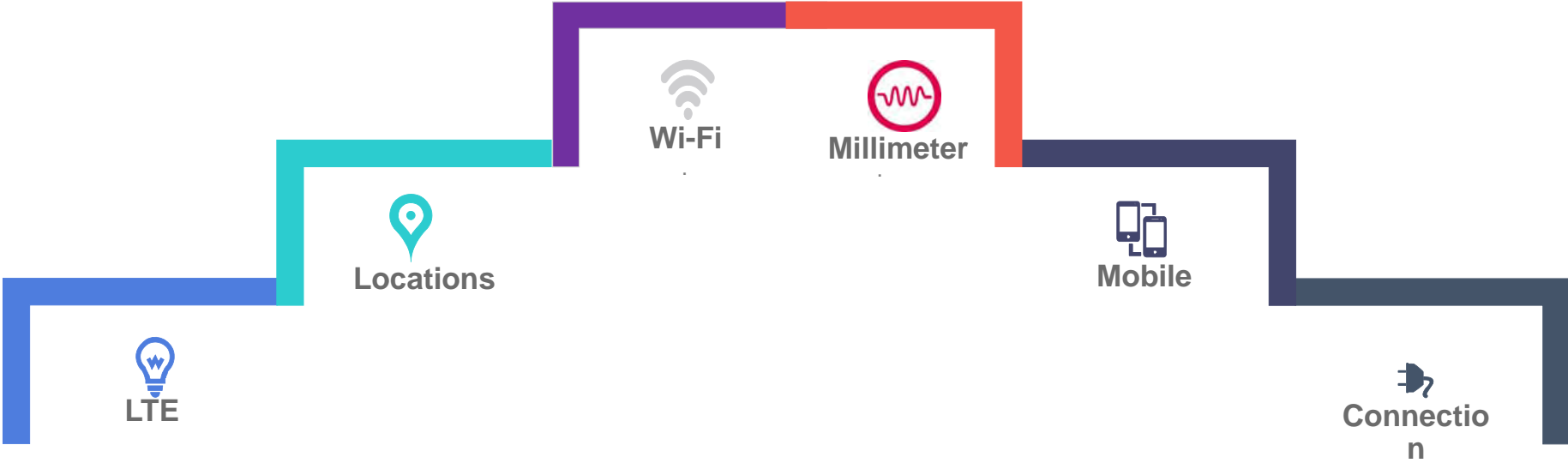
**03** Millimeter Wave

**04** Network Densification

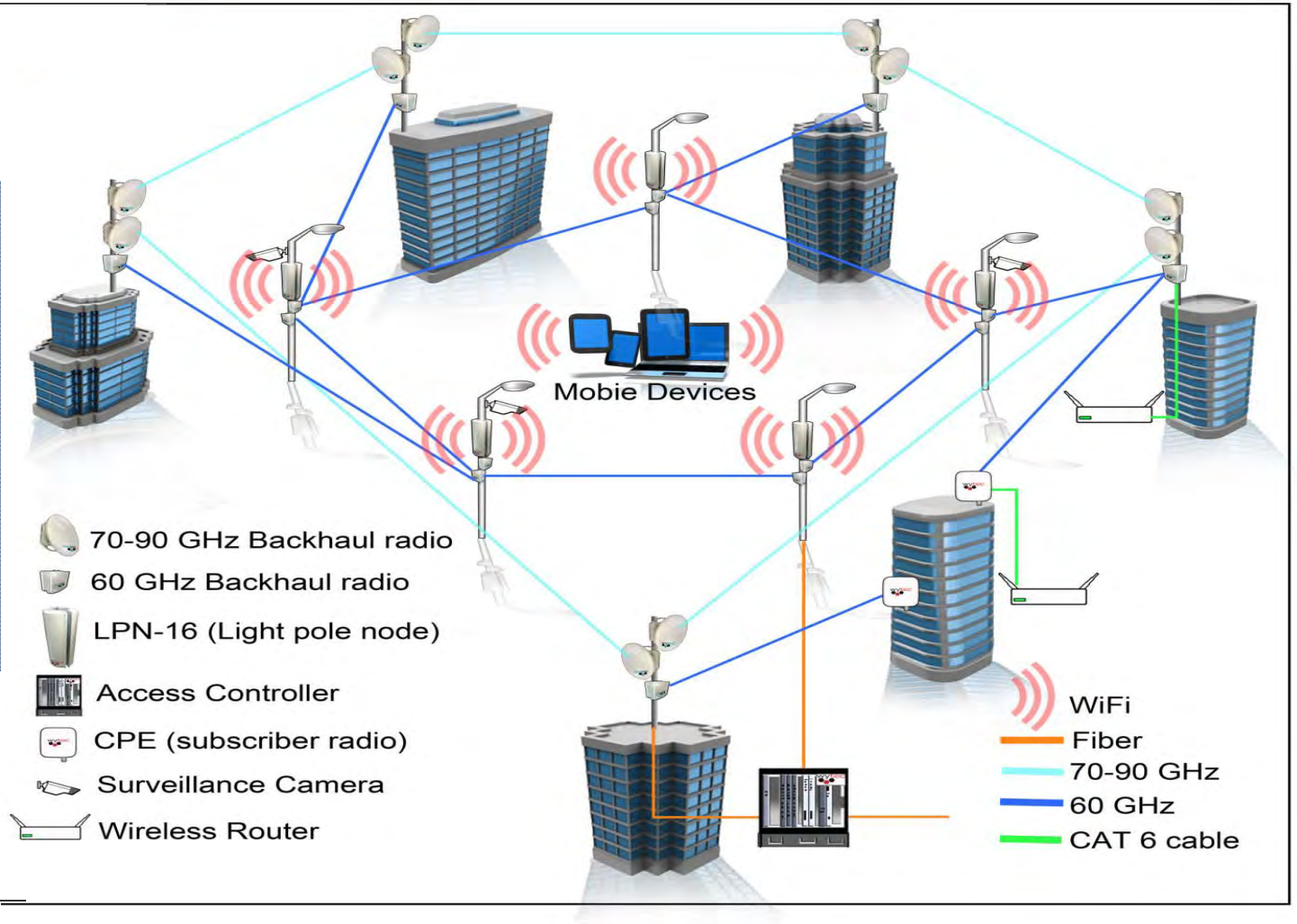
**05** Lower Cost Per Bit

**06** Upgradeability

# Network Building Blocks



# The Network



# LPN-16

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16 RF Cards  
WiFi/LTE/  
MMW/PS

Switch &  
Controller

Lighter  
Solution

Open  
Standards  
(POE)



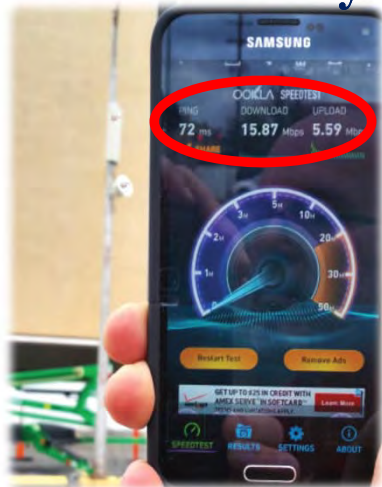


# Results

## LTE vs Millimeter Wave

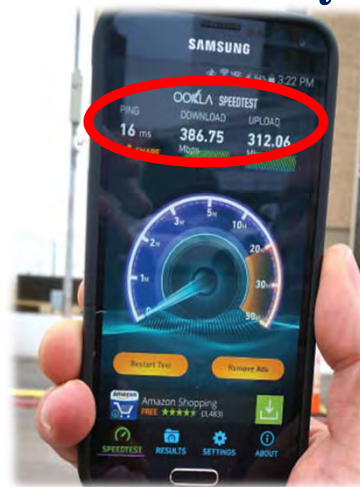
### LTE

**15 Mbps**  
**72ms latency**



### MMW Network

**386 Mbps**  
**16ms latency**



**607 Mbps**  
**4ms latency**







# Business Model

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# Business Model

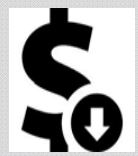
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**SME: 4G/5G Services  
Technical/Business  
Asst.**



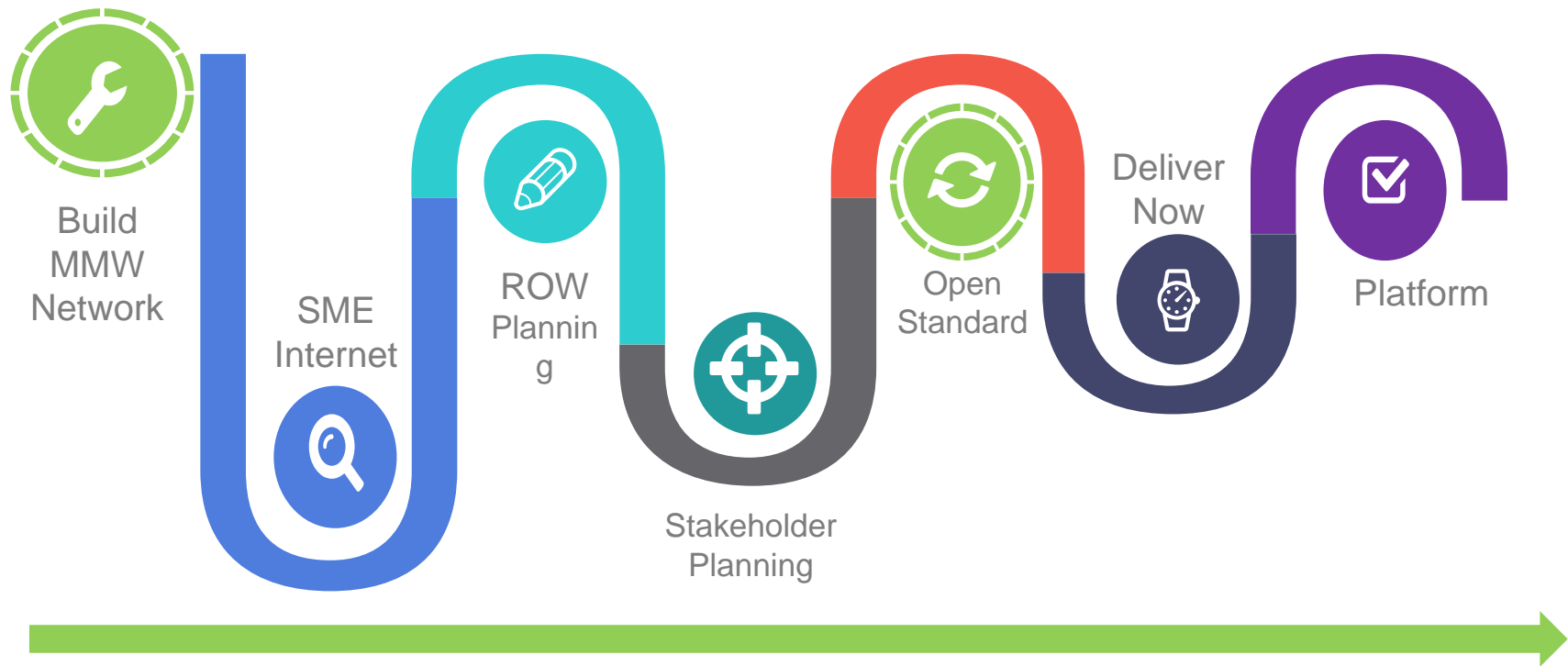
**City  
Marketing/Advertising**

**Cost Share with Stake  
Holders**



**Revenue Share with  
Government**

# Development Road Map



Move All Stakeholders Forward



# Innovation Capital Management

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