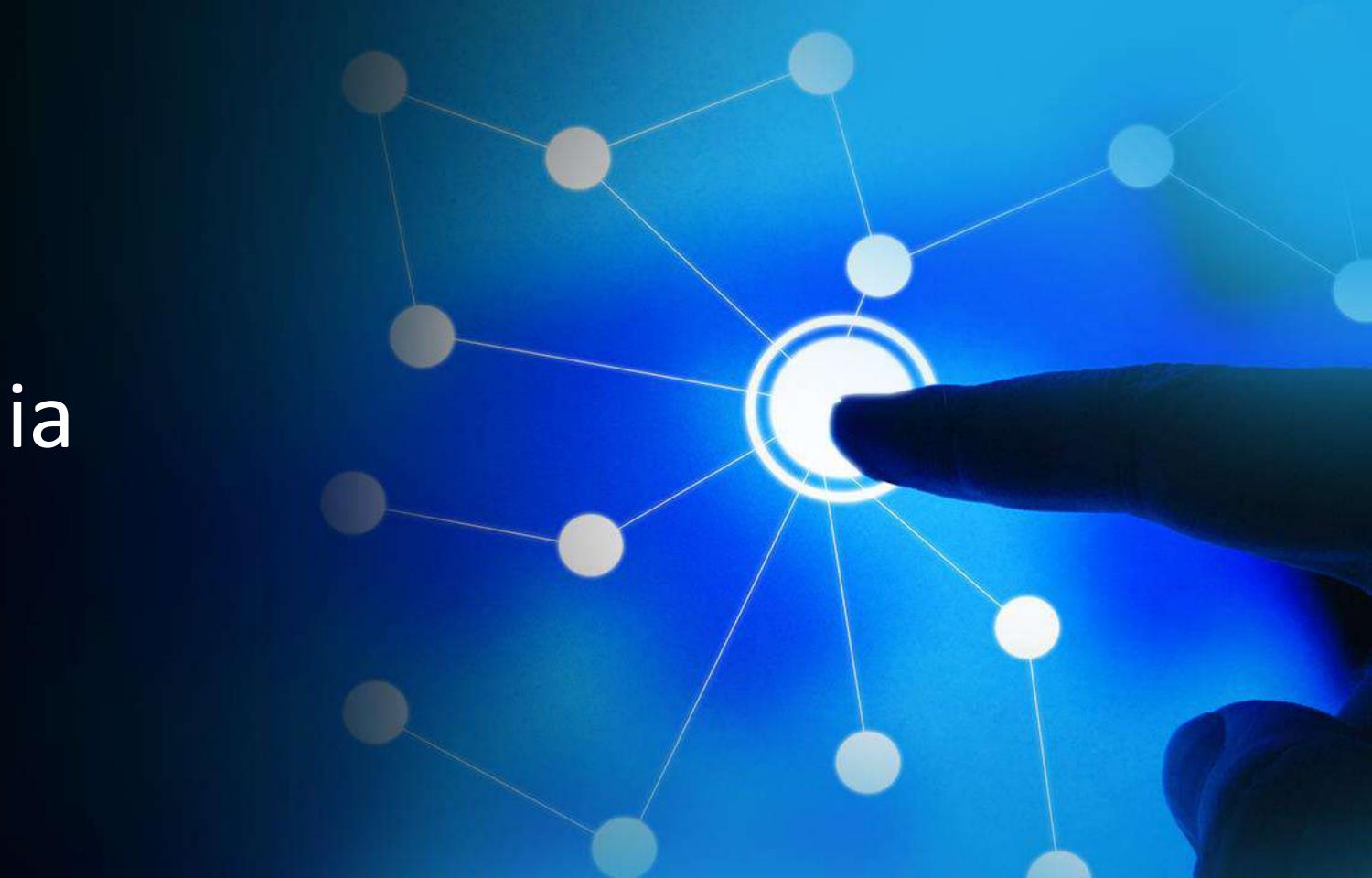
Catalyzing 5G launch in India







### 1.2 Bn Connections

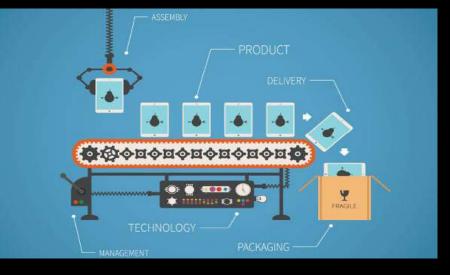
2.4 Bn GB data usage

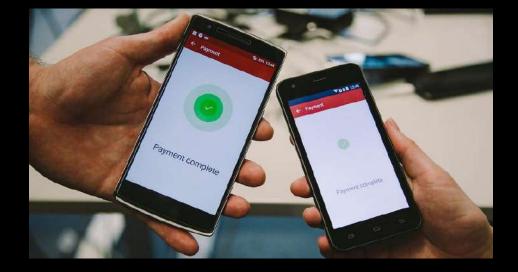
2023

1.5 Bn Connections 20 Bn GB data usage

This exponential demand can only be met through 5G







## 200 Mn Connected devices

### 1 Bn transactions

### 2 Bn Connected devices

### 1 Tn transactions



# Network Key enablers for 5G adoption Device Digital India



# Ecosystem





•

### Extreme capacity - Tbps / cluster

# Ultra speeds - 100Mbps+ user experience Digital Indiaultra density - millions of connection

Deep coverage

Ultra low latency - 1 to 2msec 

Sri Lanka





Burmal



Band-40 for 5G-NR  $\bullet$ 

# VoNR as native service with single profile across devices & operators



# Network – Maximuma Reuse of legacy Assets

5G Compatibility of BBU, radios

NSA (Option-3x) for reuse of EPC

vRAN with non-ideal fronthaul

Relay solution – integrated access & backhaul



- HPUE for Band-40
- Dual Sim 95% of smartphones in India are Dual SIM

standards for all three modes – DSDS, DSDV, DSDA

- USIM for 5G authentication
- UE capability QoE reporting

# Devices – performance & readiness





Smart healthcare

**5G** 



### Smart manufacturing

**Smart services** 

## **Definition &** standardization



# ECOSYSTEM - Integration with Industry verticals **Economies of scale**

NB-IOT to be forward compatible with 5G, No changes in NR based solution

# Our Journey to 5G has started



# Smart water meter









### Smart parking

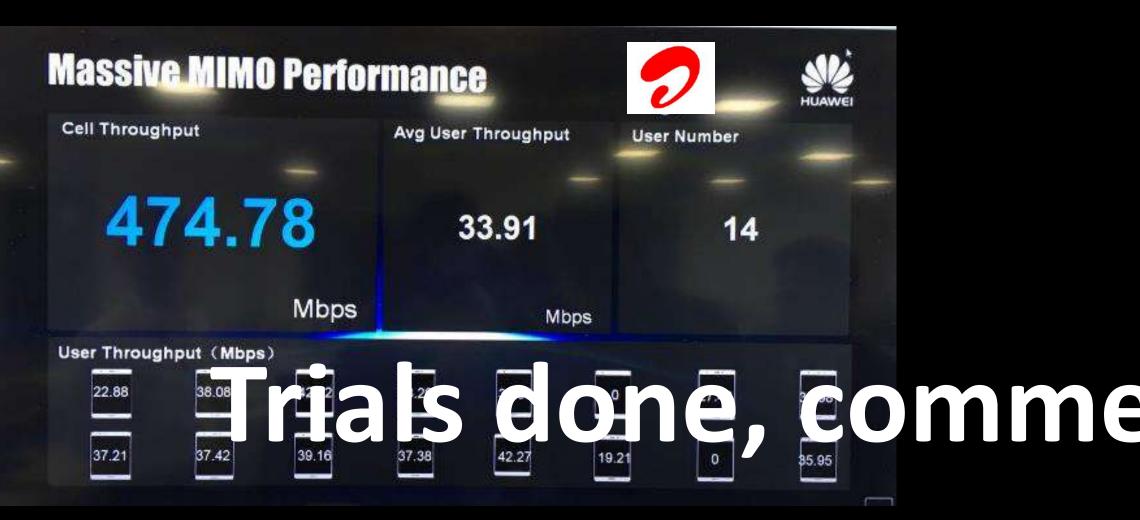






# IOT Use cases Implemented





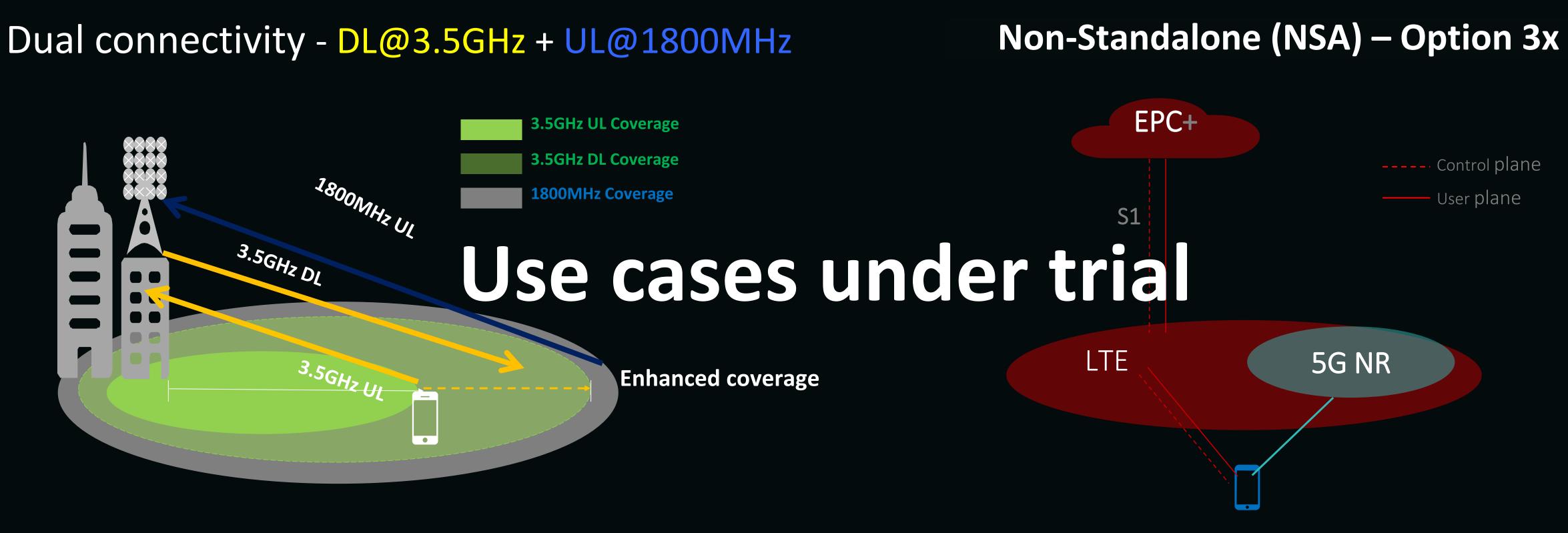
# India's first Massive MIMO in live network..

# MAX: 3.10 100M@ 3.5G Mbps Mbps Ighput (Mbps) 190 16 37.38 A CONE, Commercial deproyment started 1.32ms 1.32ms

Single User DL

## India's first 5G Trials





Thanks