TELECOM INFRA PROJECT

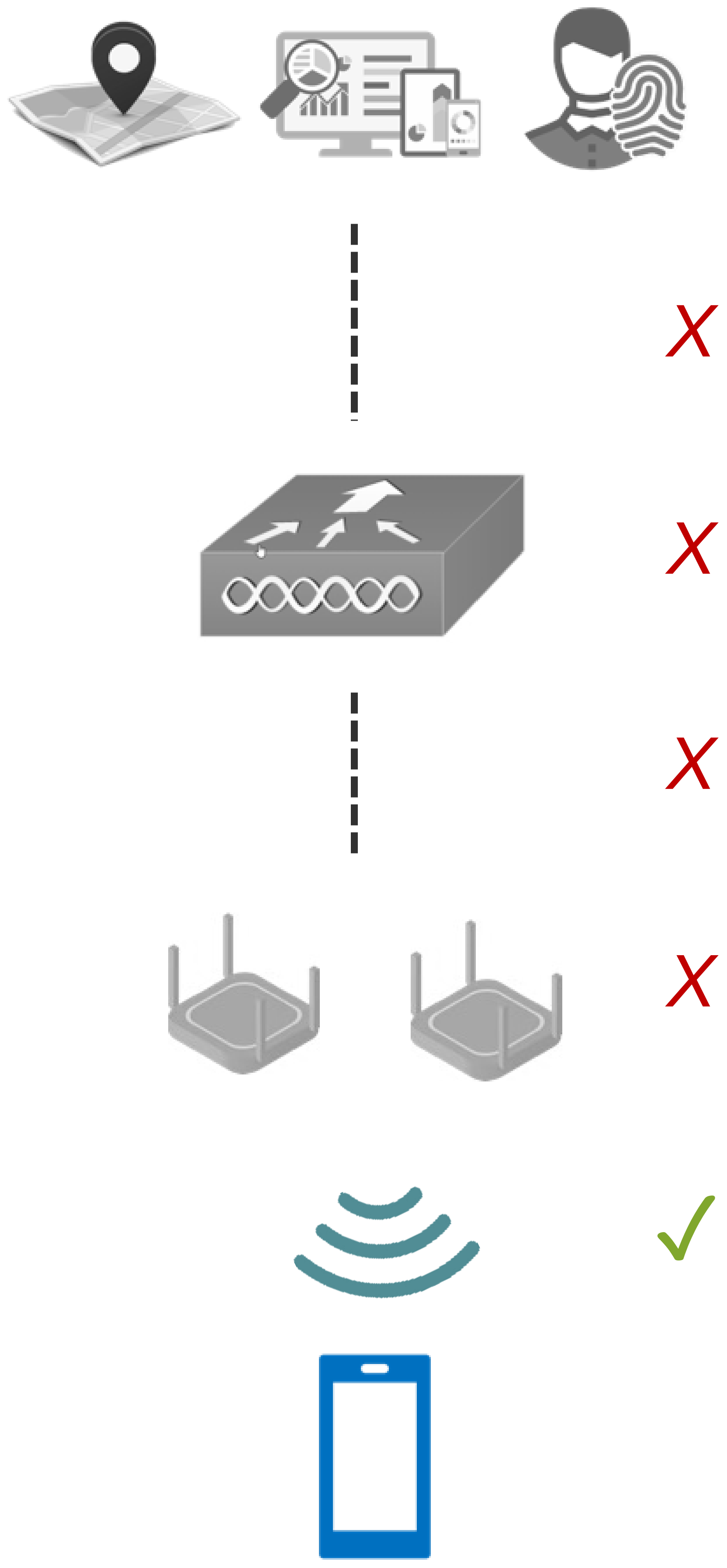
OpenWiFi

Built in India for the World OpenWiFi

Together We Build, Test and Deploy

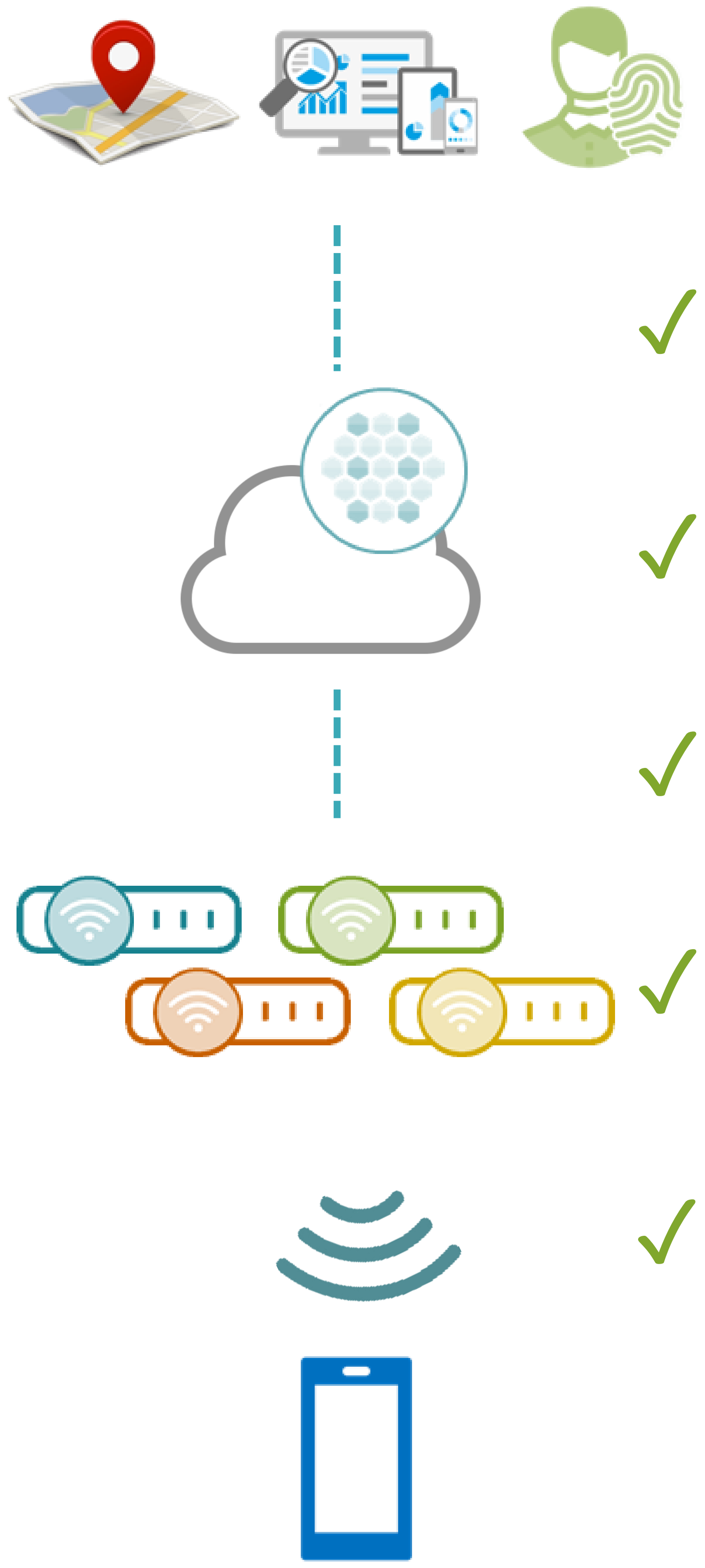
Open WIFI Introduction

Typical Wi-Fi Solution



- ✗ Proprietary APIs
- ✗ Closed Implementation
- ✗ Proprietary interface
- ✗ Vendor HW Only
- ✓ **Standard Air Interface**
  Certified by Wi-Fi Alliance

Open Wi-Fi Community



- ✓ **Open APIs**
  Integrate once, works cross vendors
- ✓ **Open-source core, Choice of Controllers**
  Contribute, secure, examine
- ✓ **Interoperable “Open interface”**
- ✓ **Choice of HW – multiple vendors/Models**
- ✓ **Standard Air Interface**
  Certified by Wi-Fi Alliance

Vibrant & Diverse **Global** Community - 100+ companies

Service Providers

- Shaw)
- Deutsche Telekom
- MTN
- vodacom
- Globe
- LIBERTY LATIN AMERICA

MSPs

- boingo wireless
- join™
- iBrowse European Networks made Simple

ODMs

- Edge-corE NETWORKS
- CIG
- tp-link
- SERCOMM
- WALLYS Wallys (Suzhou) Communications Co., LTD
- io

Cloud controllers

- NetExperience
- Plume
- LINDSAY BROADBAND
- inventum inventive continuum
- plumeria networks™
- io
- tanaza
- ADTRAN
- celona
- INDIO NETWORKS

ISVs

- American Bandwidth
- Candela TECHNOLOGIES
- BENU NETWORKS
- purple
- minim
- SAM SEAMLESS NETWORK
- kloudspot

Systems

- GLOBAL EDGE Intelligence Of Things -ALTRAN GROUP
- altran
- Tech Mahindra

Merchants

- QUALCOMM®
- MAXLINEAR
- MEDIATEK
- intel
- Celeno™

ITAs

- Wireless Broadband Alliance
- CableLabs®
- ITRI Industrial Technology Research Institute

Open Wi-Fi Deployments in India

How does TIP Open Wifi help ?

- **Provide affordable cost wi-fi**
- **Strengthen Built in India ecosystem**
- **Reduced R&D costs**

PM WANI DEPLOYMENTS SNAPSHOT USING TIP OPEN WIFI

Public Wi-Fi deployment by HFCL – Village Baslambi, Haryana

सपनों से तेज
इंटरनेट
यहां उपलब्ध है

From 2 GB/day data usage in initial few weeks to >250 GB/day in a matter of 2 months, over 2000 unique users connect to this network every day

- People use Internet for Entertainment, Online school, Tele-medicine, E-commerce & digital payments, Government utilities

Public Wi-Fi deployment by HFCL – Village Baidabettu, Udupi

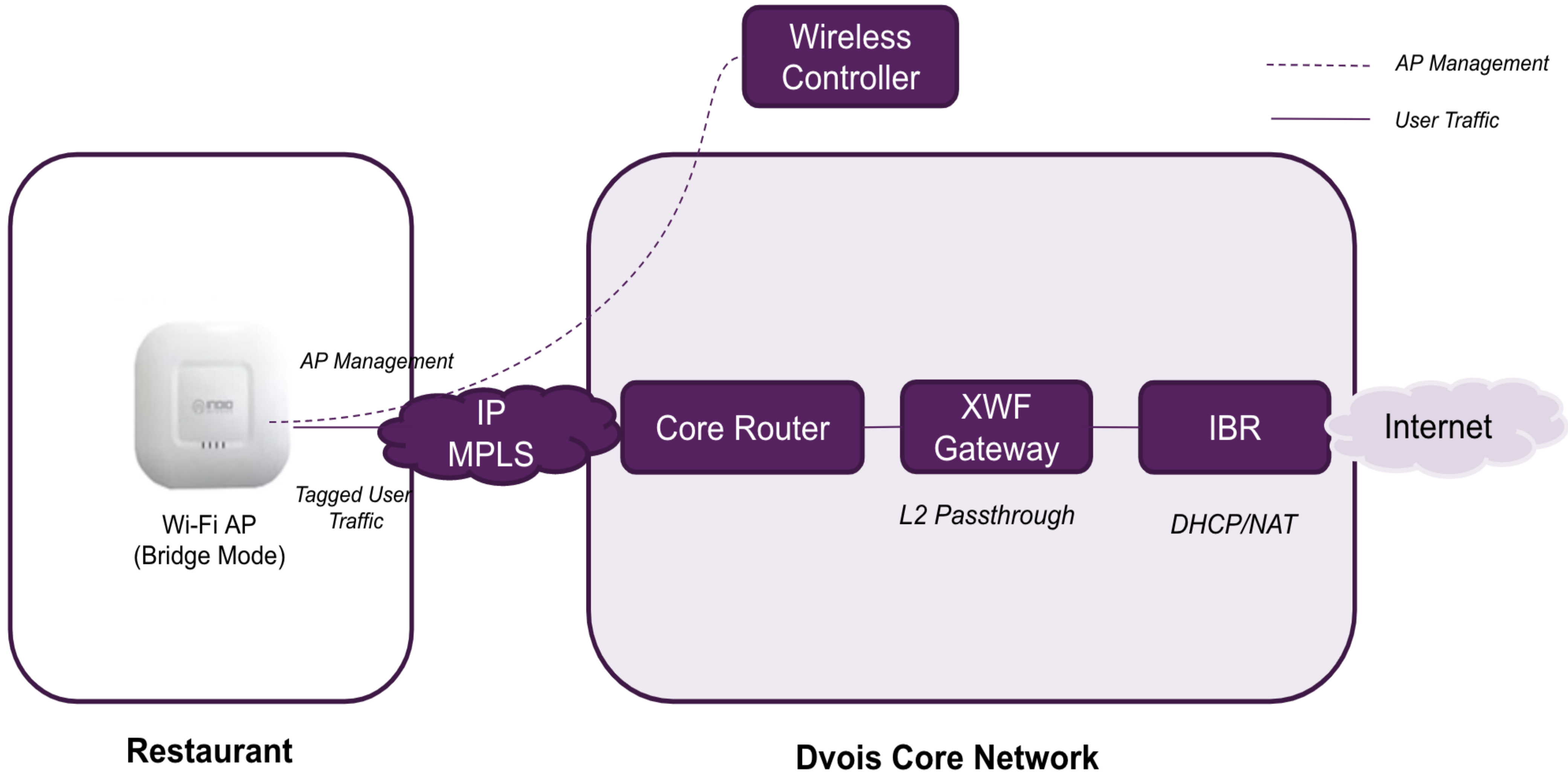
Covering about 6 sq km of sparsely populated village, weatherproof outdoor APs provide 24x7 connectivity in this heavy rainfall region to over 9000 residents

- Proved to be a boon for teachers and students who had no access to Internet to conduct and attend online school during pandemic

- D-Vois Launched deployments for 500 restaurants/malls with a split between ***Indio Networks and HFCL*** Open Wi-Fi Aps.
- Launched joint awareness campaign at the venues

How does TIP Open Wi-Fi help ?

- ***Interoperability/Vendor lock-in***


Wireless Controller
AP Management
User Traffic
AP Management
Wi-Fi AP (Bridge Mode)
Tagged User Traffic
IP MPLS
Core Router
XWF Gateway
L2 Passthrough
IBR
DHCP/NAT
Internet
Restaurant
Dvois Core Network