



A WORLD LEADER IN NARROWBAND RADIO FREQUENCY (RF) SMART MESH NETWORKS

CyanConnode India Deployment

MPWZ, Madhya Pradesh
Meter Partner- L&T
Smart Metering Points- 120,000 +10,000
Funding Agency- IPDS

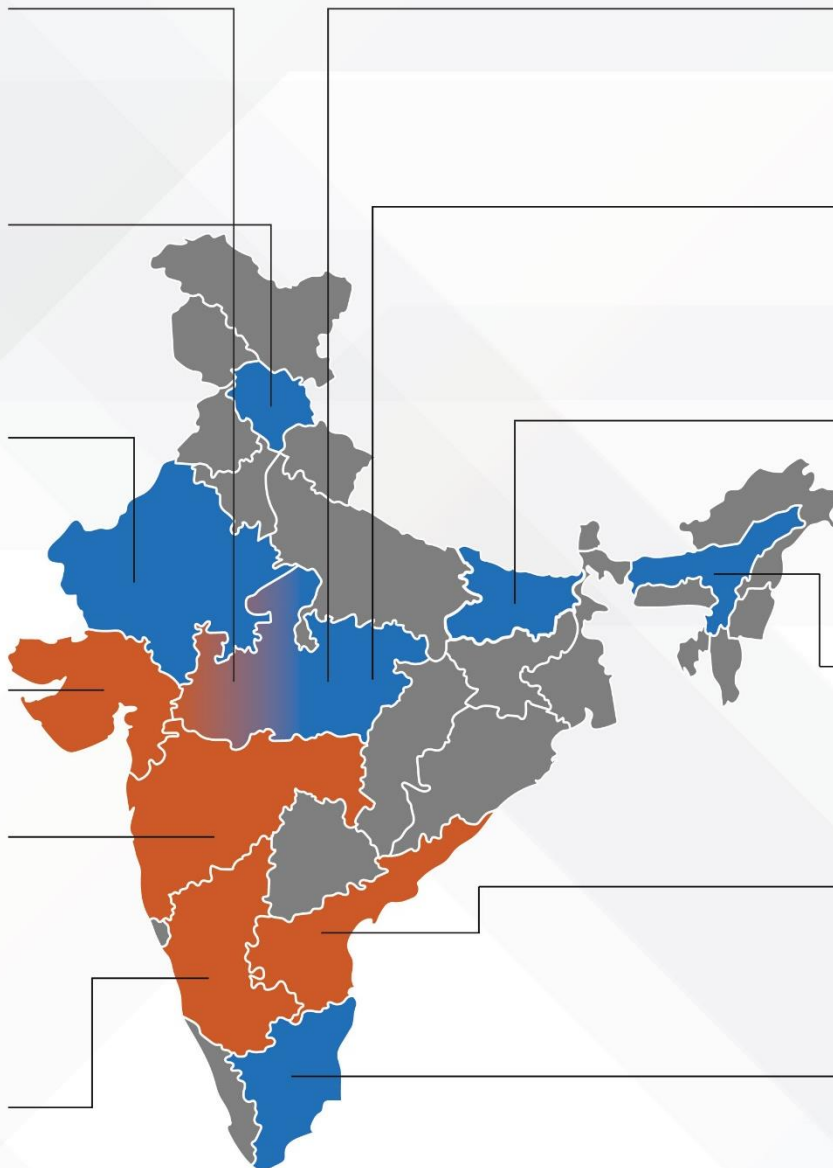
HPSEB, Himachal Pradesh
Meter Partner- Schneider
Smart Metering Points- 151,740
Funding Agency- IPDS

JVVNL, Rajasthan
Meter Partner- Genus
Smart Metering Points- 430,000
Funding Agency- NSGM & IPDS

UGVCL, Gujarat
Meter Partner- Genus Power Infra
Smart Metering Points- 27,760
Funding Agency- NSGM

Tata Power, Maharashtra
Meter Partner- L&T
Smart Metering Points- 17,000
Funding Agency- SELF

CESC, Karnataka
Meter Partner- L&T, Elster & El-Sewedy
Smart Metering Points- 21,000
Funding Agency- NSGM



MPPKVVCL, Madhya Pradesh
Meter Partner- Multiple
Smart Metering Points- 983,906
Funding Agency- KfW

MPWZ, Madhya Pradesh
Meter Partner- L&T + Genus
Smart Metering Points- 350,000
Funding Agency- IPDS

SBPDCL, Bihar
Meter Partner- Genus
Smart Metering Points- 1,000,000
Funding Agency- SELF

APDCL, Assam
Meter Partner- Schneider
Smart Metering Points- 300,000
Funding Agency- RDSS

APSPDCL, Andhra Pradesh
Meter Partner- L&T
Smart Metering Points- 3,000
Funding Agency- SELF

TANGEDCO, Tamil Nadu
Meter Partner- Genus
Smart Metering Points- 142,000
Funding Agency- Smart City

Orderbook:

3.6 Million nodes

Deployed &

Communicating :

1.2 Million+ nodes

 Under Implementation

 Project Go-Live & Under FMS

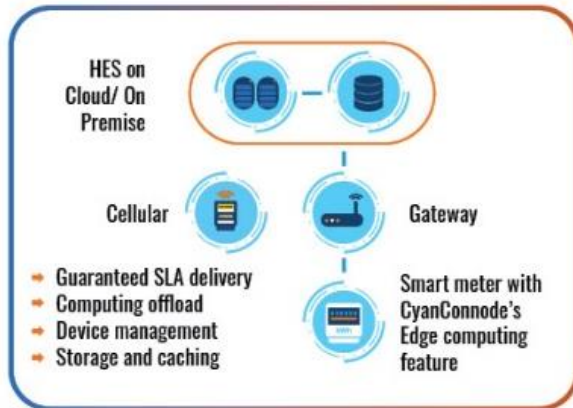


Leader in IoT Communications

Omnimesh Infrastructure

Omnimesh is a scalable and robust system that provides cost-effective, multi-technology communications to support Smart Grid AMI solutions

Edge Computing



Facilitates optimization of data payload enabling faster data processing at the node level ensuring reliable transmission of data

Cellular Communications



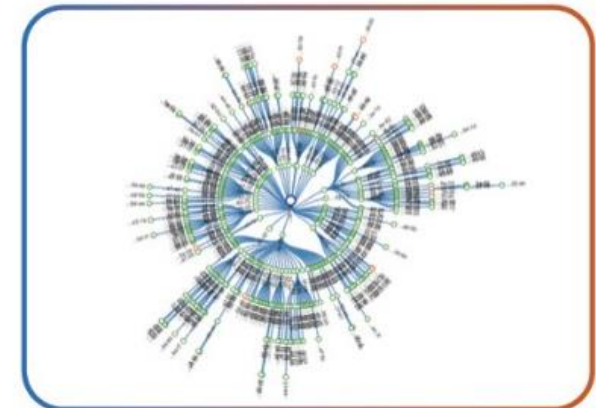
CyanConnode's Omnimesh cellular communication module, or the CNIC, connects to the Omnimesh Network Management System (NMS) and platform applications such as the Smart Metering Application to ensure > 99% SLAs

Network Design Expertise



Experienced and dedicated network design experts of Communication Field Engineers & Central Network Monitoring Teams, to ensure compliance of desired SLA for the entire project duration

Network Management System



CyanConnode's solution architecture is the only one to provide NMS for cellular meters
Ensures real time visibility and monitoring of communication node status through geo mapping

The Future of Smart Metering

Wi-SUN is the leading IPv6 sub-GHz mesh technology for smart city and smart utility applications, quickly becoming an integral part of future smart metering deployments worldwide

Built to scale with long-range capabilities, high-data throughput, and IPv6 support, Wi-SUN simplifies wireless infrastructure for industrial applications and the evolution of smart cities

Wi-SUN offers scalability, ubiquity, and industry standard (like IEEE 802.15.4) compliance

It also provides freedom to network owners and operators by allowing them to choose from multiple vendors and a strong focus on security, including support for the latest IP-based security technologies.

This is crucial for critical national infrastructure deployments, where communications must be private, tamperproof, and resist attacks by bad actors

Wi-SUN Alliance member companies have deployed millions of compatible IoT devices globally, demonstrating its scalability and reliability

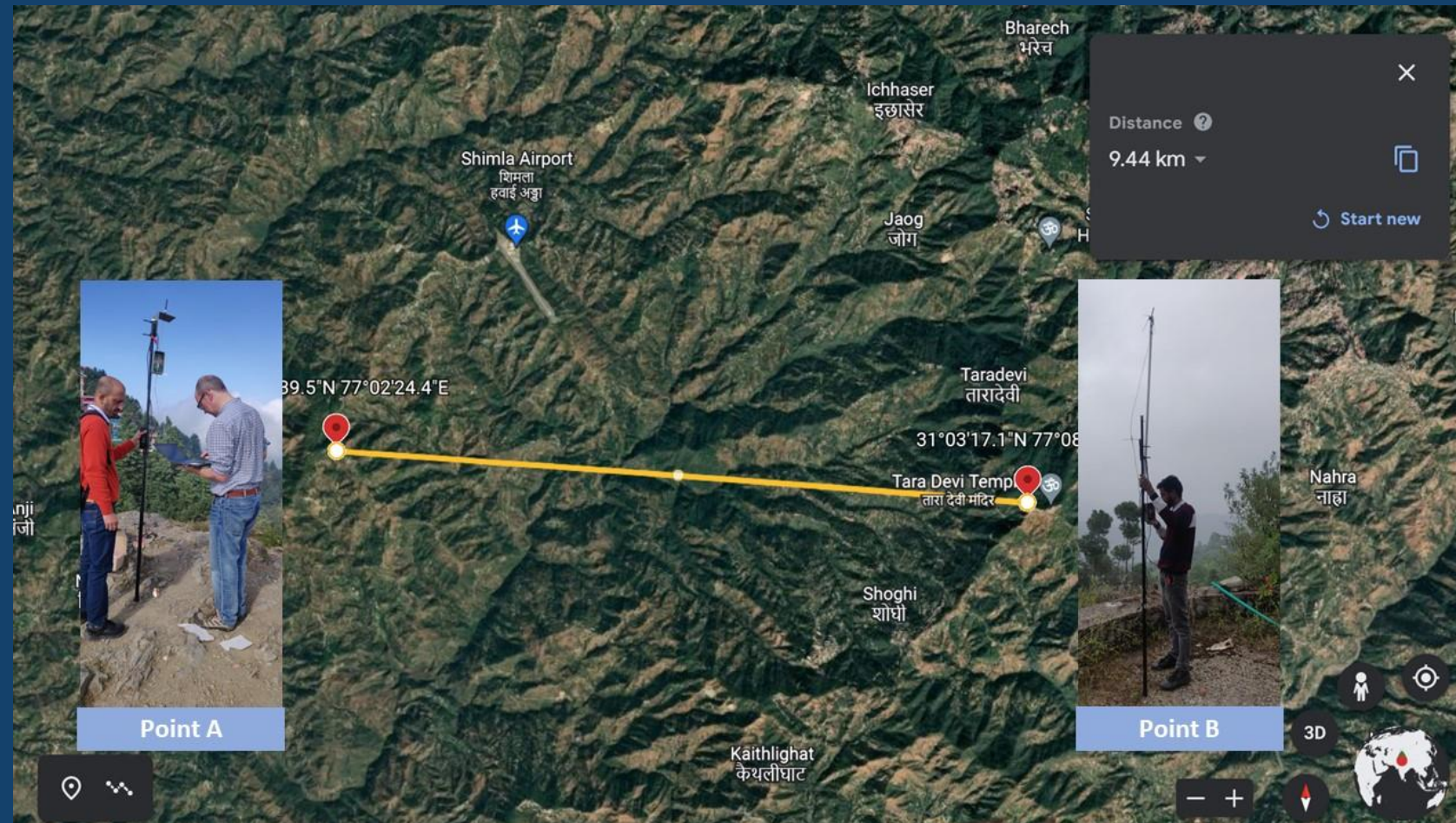
CyanConnnode's Wi-SUN technology and its adoption of the latest silicon with the best functionality & memory ensures the highest SLAs for its customers. CyanConnnode's FG25 based products lead the market in supporting this technology

Wi-SUN vs Non Wi-SUN High-Level Comparison

Feature Support	Wi-SUN	Non Wi-SUN
Open Ecosystem	Yes -Backed by Wi-SUN Alliance. Global industry alliance with 130 member companies contributing to the ecosystem	No
Standards Based	Yes -Based on 802.15.4	No
Native IP Support	Yes -Enables message addressing to individual nodes	No*
2.4 GHz support	Yes	Yes
Sub -GHz Support	Yes - Multiple frequencies and modulations with mode switching support Supports global & regional sub-GHz frequency bands	Yes - Mode switching not possible
Self-Forming & Healing	Yes	Yes
License Free	Yes	No - Requires payment for every node and also need to purchase the stack
GSDK Support	Yes	No
Smart Cities	Yes - It's preferred in rough terrain	No - It's not preferred

*Potentially implementing IP support for Sub-GHz Indian metering market

Long Range RF in India



CyanConnode, has successfully tested its long-range RF module for smart meters in India.

We were able to achieve a distance of ~9.5 km in Shimla, Himachal Pradesh, reemphasizing that our Omnimesh architecture is the best solution for Smart Metering in India with the best possible coverage of urban, rural, dense, hilly, agricultural & semi-urban areas while delivering the desired SLAs.



Sustainability

Potential Impact on Environment due to Reduction of Manual Reads

CyanConnode RF Nodes
orderbook in India

3,600,000



Annual fuel
saved
108,000 ltrs



Annual Monetary
savings to utilities
INR 648,000,000

Annual CO₂
emission avoided
248,400 KG



Indian homes that can be
lit for an entire year
199

Trees required to sequester
this CO₂ annually
9,936



Please Note: The savings will be much higher if we take associated Smart Meter benefits such as load forecasting, peak load management, adoption of energy efficient lifestyle due to Smart Meters, Demand Side Measures, AT&C loss reduction, etc.

Thank You

Awards & Recognition



<https://cyanconnode.com/>



<https://www.linkedin.com/company/cyanconnode-india>



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