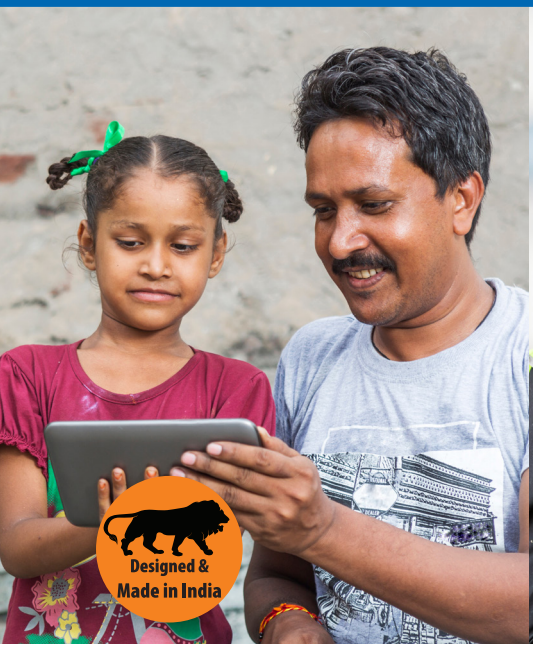
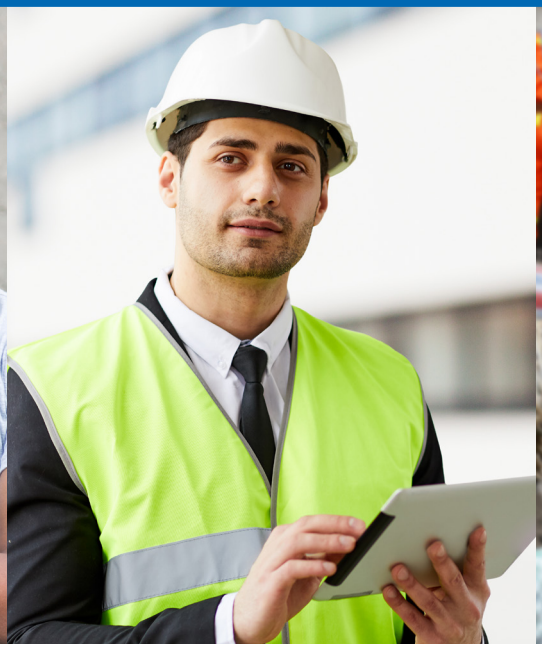
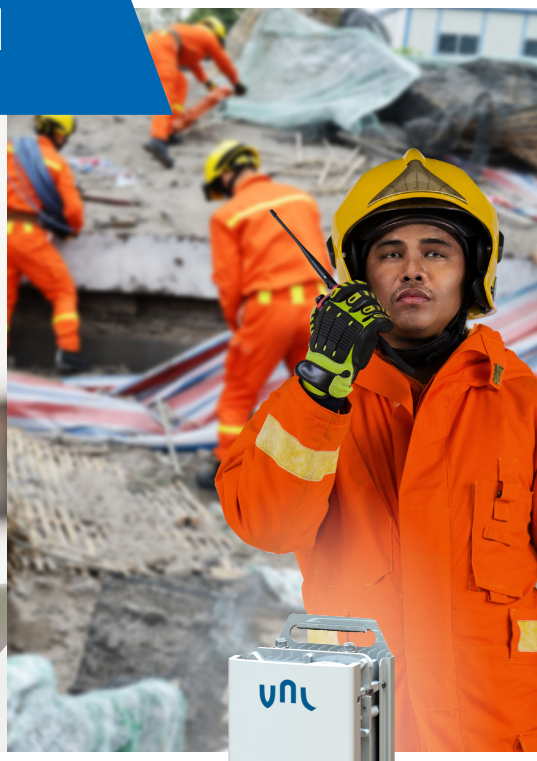
4G/LTE

High Speed Wireless 4G/LTE Broadband







Low-power, high-speed broadband for rural and emerging applications

Traditional broadband services, as deployed in urban areas, are an expensive investment for any operator. With high capital expenditures and considerable operating costs per user, the revenue from rural areas, small-scale, or niche applications cannot justify these costs. But, if the digitally disadvantaged need to be included in the ever-evolving digital revolution, wireless is a key part of the broadband solution, simply because cabled infrastructure can neither deliver everywhere at a decent speed, or can be installed quickly or economically.

In keeping with this view, VNL built a high-speed, wireless, 4G/LTE broadband infrastructure for remote, rural markets by re-engineering traditional broadband for a whole new purpose. VNL's easy-to-scale 4G/LTE Broadband provides a low-cost alternative to expensive centralized communications infrastructure equipment. As cost of deployment drops, mobile operators can profitably expand service territories where it was previously cost prohibitive. This includes areas with no phone service in developing countries.

With plug and play rapid deployment and speedy dismantling for redeployment, VNL's LTE is truly optimised for niche applications and remote or rural markets. Self-healing feature accounts for improved uptime, and remote maintenance eliminates any redundant site visits. All in all, there's little complexity in dealing with the system, and anyone can manage and maintain the site with no prior technical skills.

LTE System

LTE System

BENEFITS

- High speed, high capacity backhaul for connecting remote locations
- Centralized management; dramatically low system maintenance
- Incremental growth; low entry cost
- Carrier grade, fault tolerant, reliable, secure and robust

HIGHLIGHTS

- Optimized to control transmission costs
- Sensible business case; direct contribution to bottom line
- Higher throughput and coverage
- Eco-friendly; enriched quality of service
- All-weather proof, IP67 compliant

FEATURES

1. Solar powered, low CAPEX and near-zero OPEX
2. Integrated backhaul, low power consumption
3. Advanced MIMO technology for enhanced wireless range
4. Up to 72 hours of power backup

APPLICATIONS

High-speed Wireless Broadband for Rural

To sustain a continuous pace of economic growth and development, voice and broadband needs to be accessible seamlessly throughout a country. Spreading voice and broadband beyond urban areas ensures efficient delivery of basic communication, remote education, healthcare, and government services. VNL's High-speed Wireless 4G/LTE Broadband solution demonstrates how affordable broadband can be delivered to enable communities in rural and remote markets, and to connect the next billion customers of the telecom industry.

High-speed Wireless Broadband as Street Cell

VNL has pioneered what it believes to be the only commercially available LTE system that provides all of the infrastructure equipment and software necessary to support a wireless network within a single, compact enclosure, approximately the size of a personal computer. No other commercial LTE voice and data solution is this cost-efficient, uses so little power, and is so small and easy to deploy. It is the ideal solution for seizing the massive opportunity represented by dark spots in dense, outdoor urban environment.

In-building High-speed Wireless Broadband

Wireless solutions such as VNL's High-speed Wireless 4G/LTE Broadband enables you to service dark spots and dead-network zones that plague the in-building connectivity crisis. The self-sustainable wireless broadband infrastructure from VNL proves to be profitable for operators via considerable reductions in costs incurred on acquisition, deploying, operating and maintaining an indoor network.

High-speed Wireless 4G/LTE Broadband for Emergency and Disaster Response

Leverage the unique capabilities of VNL's High-speed 4G/LTE Wireless Broadband to extend coverage to network-blackout zones during disasters and other emergency situations. It provides secure, high-throughput real-time video, data, and voice for use by police, firefighters, and other emergency responders, opening up new, efficient communication possibilities for rescue missions and disaster recovery situations.

High-speed Wireless Broadband as a Private Enterprise Network

Internet connectivity at remote enterprises like manufacturing facilities, warehouses, remote campuses and large ships is difficult to provide. Some technologies aren't robust enough or secure enough, while others warrant a complex mesh of wires and cables, which is rarely ideal for remote locations.

VNL's high-speed wireless LTE broadband provides very specific benefits, ranging from lower data costs and tighter information security to improved network performance, making Private LTE for enterprises the best available high-bandwidth network solution for a variety of remote industries. With features like priority offload, priority network and pre-emption, enterprises in remote locations can experience higher quality of service for a host of devices in their production facilities. With VNL's Private LTE, remote enterprises can get a secure, private network that can keep everything and everyone connected, regardless of location.

For further information visit our website www.vnl.in

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