

Everest ensures Reliance deliver uninterrupted high speed 4G data connectivity

SOFTWARE

Everest IMS

SERVICE

Training &
24x7 Support

THE CHALLENGE

As one of India's first telecom operator, Reliance constantly strives to create a better tomorrow, this time by ushering in a pan-India digital revolution through state-of-the-art wireless broadband 4G services, promising to bridge the digital divide.

RJIL had the heterogeneous network in its 4G backbone network and the main requirement of RJIL was to integrate the IPMS / SMPS with the central alarm monitoring application at NOC as well as the integration of various field level entities of a 4G Tower like BMS, Energy Meters, DG Sets, PAC Units, Access Control System, Fire Alarm System etc. To monitor and manage the utility parameters and its performance based alerts, RJIL required a high-end capable tool (NMS) to communicate to **80000+** SMPS using SNMP v2c / v3 and 2000+ Modbus devices using RS485 communication. SMPS communicate to all the end devices in each sites using MODBUS RTU on RS-485 protocol.

Everest's Real Time 4G Tower Utility Monitoring Enables An Uninterrupted High Speed Internet Access

RJIL - Reliance Jio Infocomm Limited, a subsidiary of Reliance Industries Limited (RIL), India's largest private sector company, is the first telecom operator to hold pan India Unified License. This license authorizes RJIL to provide all telecommunication services except Global Mobile Personal Communication by Satellite Service.

No doubt Internet has become the most "in" thing in today's world. But the need to be connected to the web anytime anywhere at the highest speed provided by the ISPs has become a basic necessity of life for every person.

THE SOLUTION

DMX India provides with Everest Infrastructure Management Framework, which caters to RJIL's specific operational needs and effectively collects 250+ statistic details (per node) for a the massive number of devices which needed to be monitored. Along with data collection from devices located in various locations it also stores the data in a centralized database and displays real-time value in a unified dashboard. Everest detects the performance alerts against the thresholds defined and export the alerts to central alarm management server via SNMP Trap to a 3rd party tool (which was already deployed in their network).

Following key parameters are being monitored

BMS - Current, Voltage, SOC / SOH, Temperature

SMPS - Load Current, Battery Current, DC Voltage, DC Current, DC KWh, Input Line Voltage, Mains Cumulative KWh, Battery Cumulative KWh, Manufacture Name, Serial No & Version

Energy Meter - Power KW, Energy KWh

DG - DG KWh, DG Run hours

Various Business-Critical Reports like :

- Energy Consumption Report
- Diesel Usage Report
- Vendor wise Report for Battery or SMPS
- Facility wise Parameters Report

THE PAYOFF

- Minimal or No Business Downtime
- Immediate SNMP Trap Notification sent to integrated 3rd Party tool on Alarm Generation
- 24 X 7 Monitoring and Response
- Real-time Performance and Availability Reports of each Tower Utilities
- Detection of Faulty Equipment sold by Vendors
- Reduced Billing overloads by the usage of Reports generated
- Ensured High Speed Data Connectivity for RJIL's targeted Key Domains
- Enabled to provide Rich Communication and Digital Services
- A significant increase in Customer Satisfaction and New Businesses

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The flexibility of Everest to extend its monitoring capability to SMPS, DG sets, Energy Meters, Fuel Cells, and provide custom on-demand reports exactly as per the required templates is what makes it stand out from the rigid monitoring tools of the past. Add to this, the ease with which it scaled up to 1,00,000+ devices convinced us that we had made the right decision in choosing Everest. This is surely a new-age monitoring tool to look out for.

- Manoharan Rajbhushan,
Reliance Jio Infocomm

Highlights

- ✓ Bulk Discovery through CSV Upload
- ✓ Alarm Generation for Faulty Nodes
- ✓ Immediate conversion of Alarms to SNMP Trap Notifications
- ✓ Customized Tower Utilities Reports
- ✓ Improved Billing from Everest Reports
- ✓ Everest Integration with existing 3rd Party Tool

Everest is a Unified IT Infrastructure Management Solution that helps Simplify Network & Systems Management by Monitoring, Managing and Optimizing System Performance and Availability across Heterogeneous IT Environments. Everest is enterprise-Proven and ensures smooth running data-centers both on-premise as well as on cloud.