



# GRIDMAX Backhaul

Deploying thousands if not millions of Smart Meters can present a daunting challenge. The volume of data needing to be collected and processed grows exponentially as the number of meters increases. GridMax Backhaul provides a straightforward, highly robust, scalable, secure and cost effective solution to this Smart Grid challenge. Building this fast acquisition, processing and notification engine requires prudent planning, as well as the optimal hardware and software solutions.

**GridMax's Backhaul** harnesses the power of your data! With data from your smart meters reaching your collection nodes,

**GridMax's Backhaul** provides a cloud based distributed database collection solution for managing incoming meter data without delay. This central repository for all metering data is ultra fast, standards based, dynamically scalable, cost effective, and importantly, fault tolerant.



- Real time monitoring and management of network elements
- Outage monitoring and notification
- Cost effective
- Distributed with real time dynamic scaling
- Data acquisition
- Cloud based solution
- Hosted or private
- Fast
- Interface to internal data processing, MDM, reporting, billing, auditing, data analysis, CIS, GIS and decision tools
- Alert generation and notification
- Archiving

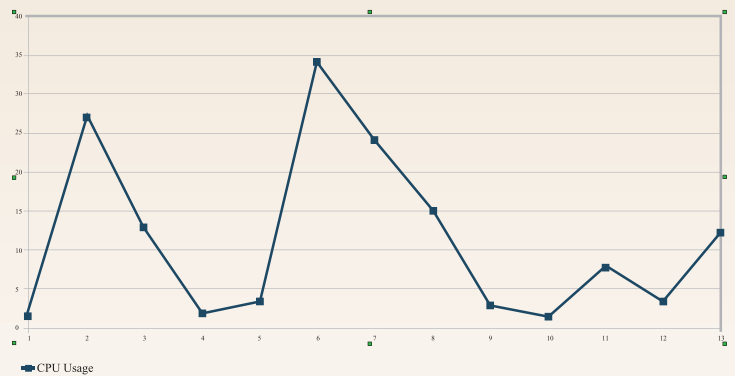
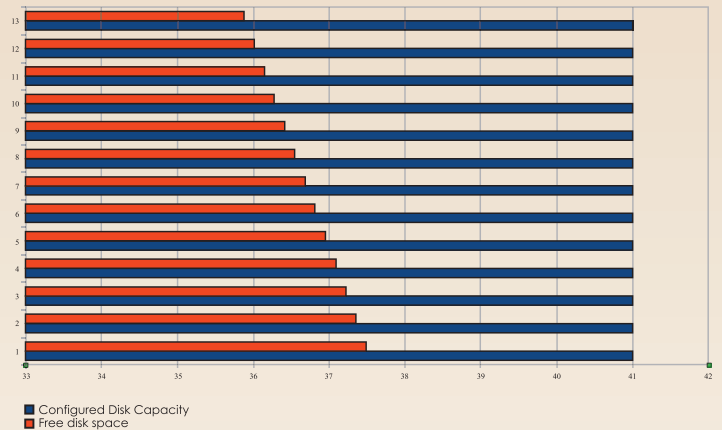
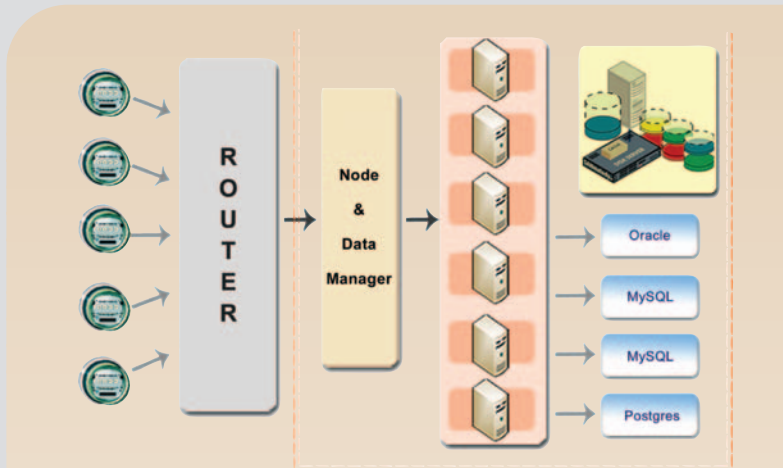


**GridMax's Backhaul** has a simple easy to use browser based interface that supports grouping of meters, collectors and concentrators. Capabilities include event logging, alert generation and management, interface to SMS and telephony services, GIS fault and asset location information together with sophisticated reporting, access control, auditing and security. **GridMax's Backhaul** can support simple pilot deployments from a few hundred meters to a 10 plus million meter deployment.

With sophisticated internal data processing, **GridMax's Backhaul** can feed data directly and in near real time to MDMS for systems enabling complex billing functions, variable rate payment calculators, reporting, auditing, outage management and data analytics.

By providing security at different layers including network layer, user layer, application layer and database layer with role based access control implementation, **GridMax Backhaul** solutions are secure, audit-able and reliable.

PERI will assist in building, scaling and managing your **GridMax's Backhaul** system either in a hosted environment or privately in your own data center using existing resources.



570 Broad Street  
Newark, NJ 07102  
Tel: +1.973.735.9500  
Fax: +1.973.735.9593

2880 Zanker Road  
San Jose, CA 95101  
Tel: +1.408.207.9600  
Fax: +1.408.207.9693

333 S. Grand Avenue  
Los Angeles, CA 90071  
Tel: +1.213.281.9313  
Fax: +1.323.315.2254

28B, B Building HuaQiang Plaza  
Futian District  
Shenzhen, China 518 000  
Tel: +86 755 8624 3622

4, 9th Avenue, Ashok Nagar  
Chennai 600 083  
Tel: +91 44 43406000  
Fax: +91 44 24893275