

AIMIR



Thinking About Smart Grid?

Take the Next Step



nuri
TELECOM

AiMiR AMI Benefits

- **Links Grid, Consumers, Power Generation and Storage Resources**

- **Seamless Integration of Multiple Technologies:**

Smart meters
Integrated communications infrastructure
Meter Data Management Systems
Advanced Transmission and Distribution Operations
Home Area Networks (HANs)
Advanced Asset Management

- **Billing and Operations Benefits:**

Provide accurate and timely billing
Pinpoint grid problems
Locate/ identify power quality issues
Real time outage management
Detect/reduce energy theft
Remote connect and disconnect

- **Demand Response and Innovative Tariffs Benefits:**

Reduced Price & Demand
Reduced Peak capacity requirements
Reduced T&D costs
Reduced Generation costs
Improved electric system efficiency and reliability



Get Smart, Implement Nuri's AiMiR AMI

The world is changing, from economic crisis to global warming. CO₂ emissions are the most important cause of global warming and the energy-supply sector is the largest contributor to it. Together, we can make a difference. Changes in energy demand and increasing energy efficiency can significantly reduce CO₂ emissions and energy costs. Gone are the days of reading meters and mailing bills. The future is Smart Grids and AMI. Nuri's AiMiR AMI is tried and trusted by utility companies globally. The future is here today, and you can lay the foundation of Smart Grid using Nuri's state of the art AMI technology and services.

"Goteborg Energi AB is a leader in adopting new technologies that improves energy delivery. We chose and successfully deployed Nuri's AiMiR AMI/AMM solution for our entire city of 270,000 customers to help foster that leadership. We are very impressed by the performance we are getting as well as with the wide range of functionalities we now have implemented. AiMiR will become an important part of our Smart Grid implementation that is underway."

Tomas Arnewid, Project Manager
Goteborg Energi AB, Goteborg, Sweden

100% ZigBee Standard Compliant, 0% Stress

There are many proprietary Smart Grid solutions out there that lock you into certain vendors and technologies.

Nuri's AiMiR AMI is the industry's first 100% ZigBee standard compliant, field hardened utility network. The network operates on a license-free 2.4GHz ISM band. No worries, no stress. Wherever you are in the world we are here to serve you and your customers.

AiMiR Delivers 24 by 7

Nuri's AiMiR network is always there for you. It is resistant to disruption or failure. That's because it uses dynamic self-healing, self-discovery functionality. The network adapts to changes in physical and operational business demands. Moreover, it provides continuous interaction between the utility, the consumer and the controllable electrical load. Further, it rapidly recovers if failure occurs and can scale to meet rapid or unpredictable demands.

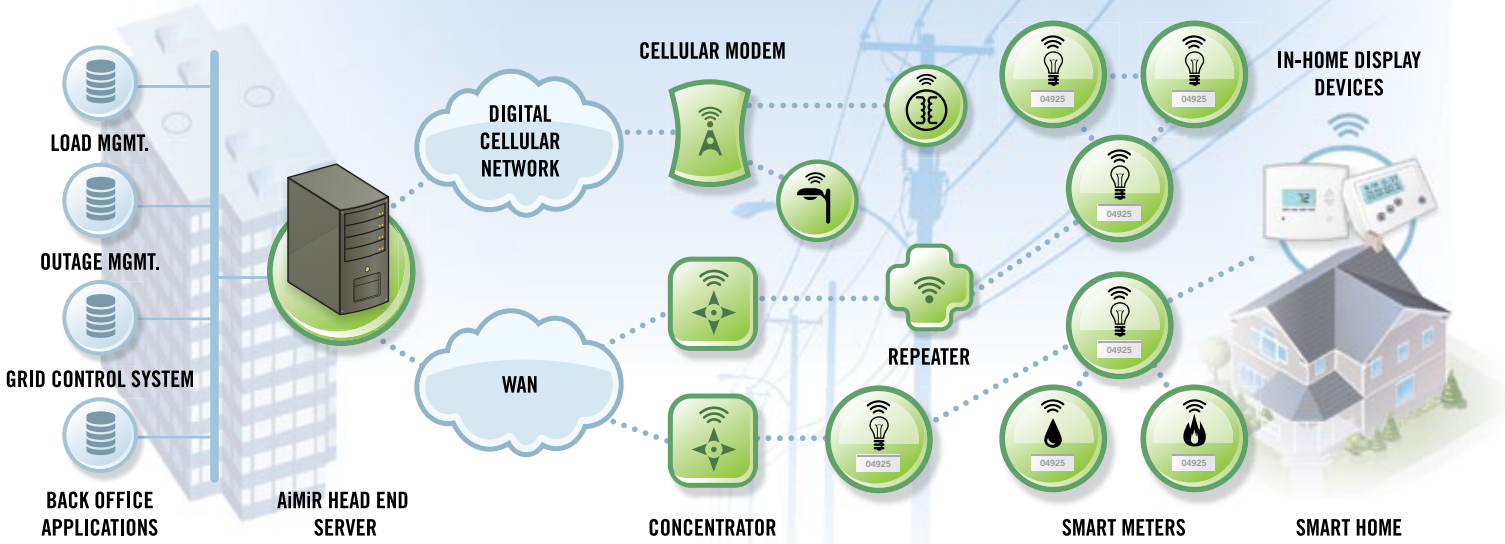
Future Proof – We've Got the Bandwidth and More!

AiMiR's infrastructure's 250 kbps data rate provides ample bandwidth to carry data payloads for a multitude of modern grid functions beyond advanced metering, with built-in flexibility to handle future needs as they arise.

Deployment is as Easy as 1,2,3

The AiMiR network is self-forming. It allows energy meters, and other intelligent network devices to automatically connect and begin collecting data without human intervention. Plus, it ensures interrupted communication paths are automatically re-routed through alternate paths.

AiMiR AMI Communication Network



Utility Data Center

Backhaul Communication Services

AiMiR Wireless Advanced Metering Infrastructure

Home Area Network

Working with C&I Customers

Nuri Telecom, provides the most advanced solutions for commercial and industrial (C&I) metering applications. Nuri's proven and field tested C&I metering network collects advanced data from customers providing utilities with real-time knowledge to:

- Increase load-forecasting accuracy
- Enhance load management and control
- Optimize distribution system operations
- Optimize consumption by mapping energy-usage trends
- Ensure on-site power quality

"For several years now, we've enjoyed a very fruitful working relationship with Nuri Telecom and will continue to do so. KEPCO has successfully deployed Nuri's C&I solution for our 140,000 customers. Nuri's vast knowledge, technology, product line, and services are boosting KEPCO's customer services, and we are achieving wonderful results."

Sudong Hwang, Marketing Operation Manager
Korea Electric Power Corporation (KEPCO)
Seoul, Korea

Think Global, Act Local

Nuri has a worldwide presence and extensive experience in implementing AMI solutions around the world. We will work with you to reduce costs and increase customer satisfaction.

The Nuri Difference

Nuri in collaboration with its technology partners and system integrators offers utilities end-to-end, turnkey AMI delivery models including performance guarantees:

- **AiMiR Communication System Components**
- **AiMiR Head End Communication Server**
- **AiMiR Software Suite**
- **Full range of professional services:**
 - AMI solution architect
 - Network deployment
 - Network operations
 - Integration of AMI solutions with existing IT, operations and asset management processes

Nuri Telecom – Leader in End-to-End Smart Grid Infrastructure Solutions

Headquartered in Seoul, Korea, Nuri Telecom was founded in 1992 and is listed on the Korean Stock Exchange, KOSDAQ. Nuri is a leader in providing end-to-end AMI solutions. Moreover, it is an enabler for enterprise-wide business efficiency, modernization of distribution infrastructure, and enhanced customer service.

Utility companies worldwide rely on Nuri's AiMiR System to replace yesterday's archaic metering systems with an advanced communications network infrastructure that's proven, reliable, expandable, standards-based, future-proof and cost effective.

To date, Nuri has deployed over a half million smart energy meters the world over and that number grows dramatically each day.

With a growing list of global customers, Nuri Telecom is expanding its customer base throughout Asia and Europe and is rapidly making inroads into the U. S. to offer advanced Smart Grid technologies to American utility companies.

If you want to increase energy efficiency and save millions, Nuri's AiMiR is the proven AMI. Why wait! The future is here today with our state of the art technology and services.

For a more detailed presentation and live demonstration please contact us:

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Components of AiMiR Communication Network



Electric Meters*



Gas Meters*



Water Meters*



AiMiR Concentrator

Connects AMI network to utility monitoring site



AiMiR Repeater

Extends AMI network range to cover larger areas



Digital Cellular Modem

GSM/GPRS, CDMA



AiMiR Software Suite

Network mgmt, advanced metering and Smart Grid Applications



Digital Cellular Modem Rack System

GSM, CDMA

*Nuri technology-equipped meters supplied by meter manufacturers.

Smart Meters Supported

Electric

Aidon GE
Elster Kamstrup
EDMI KEPCO

Gas

Actaris
Kromschroeder
Several Korean Brands

Water

Several Korean Brands

For a complete and up-to-date list of meters supported, please contact us.