Remote Meter Monitoring

M2M datacorp ™

Affordable Remote Data Monitoring Services

Real-time remote meter monitoring provides fast and accurate sample rates greatly exceeding MV-90 and other requirements. Personnel are able to monitor only one meter or numerous meters with aggregation capabilities, and dynamically schedule loads in real-time.

M2M's iDATA application interfaces and enhances existing EMS or other power quality systems, providing secure web-based access for monitoring meter data ranging from simple KYZ pulses to smart meter data such as power quality, load profiles, and more.

iDATA provides multi-stage alarms which notify technical personnel of problems via cell-phone, pager, PDA, and email—anytime, anywhere, allowing them to avoid establishing new peak demands and other unwanted operating conditions.

- → Requires minimal or no capital; low, fixed monthly service fees
- → Reduces lost revenue by eliminating or reducing operational down-time
- → Delivers data from any asset in any location
- → Provides real-time 24X7 monitoring and alarming (cell phone, pager, PDA, email)
- → Reduces man-hours for roving electricians by providing automated monitoring
- → Reduces costs of meter reading for both cycle and special reads
- → Eliminates of intrusive on-premises meter reads
- → Reduces distribution system losses and outage minutes
- → Improves dispatching
- → Improves accuracy; fewer missed reads and estimated bills
- → Provides historical data trending to aid in future system planning
- → Provides corporate-wide solution that integrates new and legacy SCADA equipment
- → Improves "Quality of Service"
- → Backed by Service Level Guarantees

Applications include:

remote automated monitoring of revenue metering data

remote, off-site meter reading

low-cost daily, half-hourly, time-of-use, and demand (peak kW) metering for domestic and commercial/industrial customers

on-line opening and closing reads "Logical" service disconnect

on-demand meter reads

on-line customer outage and power restoration information

on-line detailed historical and current customer consumption information

tamper/theft notification
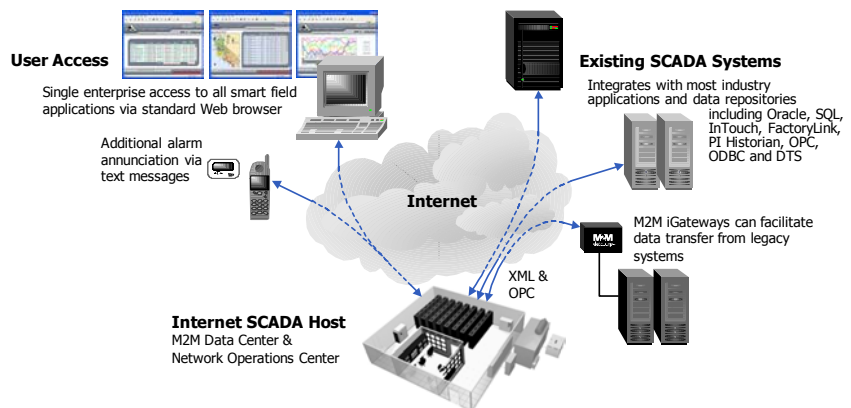
communications for distribution operations

outage and restoration verification data

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M2M Headquarters:
9785 Maroon Circle, Suite 210
Englewood, CO 80112
T: 303.768.0064
F: 303.799.8828
www.m2mdatacorp.com

iDATA collects and delivers data from customer devices and/or databases, then delivers the data integrated, aggregated, and mined to customer specifications in a wide variety of formats, to customer or third party databases and applications.

User Access
Single enterprise access to all smart field applications via standard Web browser

Additional alarm annunciation via text messages

Internet

Existing SCADA Systems
Integrates with most industry applications and data repositories including Oracle, SQL, InTouch, FactoryLink, PI Historian, OPC, ODBC and DTS

M2M iGateways can facilitate data transfer from legacy systems

XML & OPC

Internet SCADA Host
M2M Data Center & Network Operations Center

→ Reliable; backed by service level guarantees

→ Fastest time-to-service; hassle-free, turnkey solution

→ Scalable; monitor one asset or numerous dissimilar assets

→ Compatible; data ported directly to other back-office software applications

→ Alarm notifications; cell phone, pager, PDA, and email

→ Real-time displays; rich, graphical screens, all automated operational parameters on demand

→ Archived database; historical, trending, and operational data

→ Broad communications options; radio, microwave, satellite, and terrestrial

For customer with meters that are not already connected to a SCADA system, M2M can provide a complete Internet-based solution called iSCADA.