## **Power & Utility Automation**



### **Affordable Remote Monitoring and Control Services**

Electric utilities and related organizations have widely dispersed power generation and distribution equipment. Smart fields minimize the expense of sending field crews to monitor and diagnose problems, and enable organizations to safely run transformers and circuits at higher capacities, extend equipment life, quickly locate open circuits and equipment failures, and minimize lost revenues and customer claims.

M2M's Internet-based power solutions are ideal for utility companies, REAs, electric coops, municipalities, energy service providers, ESCOs, ESPs, and ISOs/RTUs.

- > Requires minimal or no capital; low, fixed monthly service fees
- Reduces lost revenue by eliminating or reducing operational down-time
- → Lowers overall operation costs
- → Provides real-time 24X7 monitoring and alarming (cell phone, pager, PDA, email)
- > Reduces man-hours for roving electricians by providing automated monitoring
- → Scales quickly from a few assets/sites to thousands
- Provides historical data trending to aid in future system planning
- → Extends life of equipment
- → Improves "Quality of Service"





## **Power & Utility Automation**

Substations

**Transformers** 

Meters

Power Transmission

Power Distribution

**Underground Vaults** 

and more .

#### **Recent Applications**

Southern California Edison
Xcel Energy
Aquila
APX/California Power
Authority
St. Croix Electric
Cooperative
Department of Defense



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# Typical payback on an M2M smart field solution is less than 1 year

M2M solutions completely automate and manage power and utility assets, allowing customers to achieve new levels of efficiency, asset optimization, and profitability.





- → Reliable; backed by service level guarantees
- → Fastest time-to-service; hassle-free, turnkey solution
- → Scalable; monitor one asset or numerous dissimilar assets with aggregation capabilities
- → Adaptable; collects and transmits data automatically from substations, transformers, or other IED
- 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