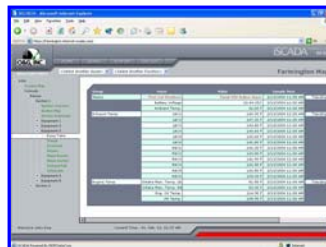
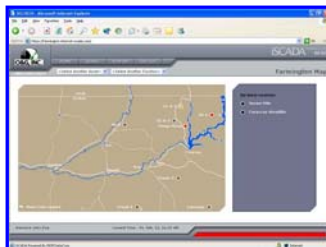


Turnkey Remote Monitoring, Control & Alarming

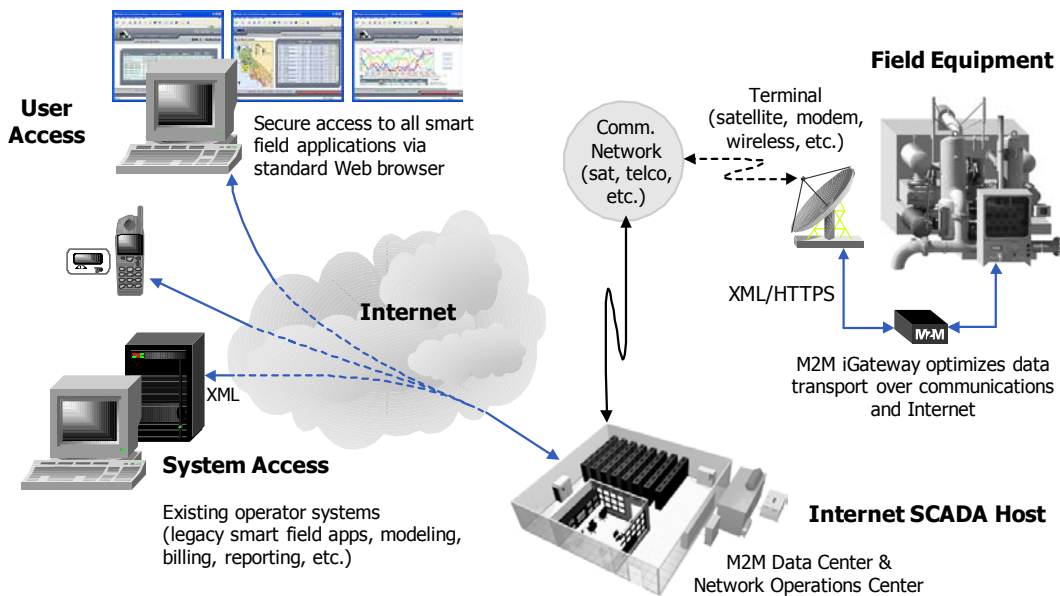
iSCADA is a rapidly deployed, managed machine-to-machine communications platform used for monitoring and controlling remote, mobile, and fixed assets. iSCADA uses Internet, wireless, satellite, smart field devices, and a mix of proprietary M2M technologies to efficiently communicate operating data between people, devices, and systems.

- Monthly, turnkey communication services with minimal or no capital expense
- No new tools or training required; minimal demand on your field crew and engineering resources—turnkey.
- High level of security.
- No customer maintenance.
- Managed upgrade path.
- No application retooling.
- Only use/pay for existing modules that have been developed for your application.
- More reliable, available, and scalable system supported by more expert resources, than a single company can afford.
- Backed by Service Level Guarantees.



Fully Managed Infrastructure

iSCADA is a superior value-added service and application that allows remote asset owners to enjoy the economic benefits of a machine-to-machine systems with the fewest resources.



Built upon a secure and scalable platform, the M2M product line provides comprehensive SCADA functionality with value added, turnkey management services that drive a superior ROI. It offers a flexible, open architecture that fits into your environment, no matter how complex, and handles the specific challenges of communicating and integrating with diverse back office and remote systems.

Complete SCADA Functionality

Data acquisition, monitoring, reporting, alarming, trending, and control.

Web Browser Access

Universal Internet access to remote operations with intuitive interface, familiar navigation, and no client hardware or software requirement.

Field and Server Systems

Data presentation application, robust servers, all field equipment (RTUs, PLCs, EFM's, etc.) and connection infrastructure.

Broad Protocol Support

Specialized communications gateway that supports multiple communications channels, industry standard protocols (Modbus, DF1, etc.) and a wide variety of vendor specific protocols.

Communications

Communications expertise and partnerships provide economical and best-of-class options for appropriate communications links, including spread spectrum, licensed radios, satellite, and terrestrial communications.

Turnkey Infrastructure

Comprehensive network infrastructure that ensures data integrity, availability and security, and M2M's network operations center provides complete management of the facilities that transport the data payload.

High Security

Defense-in-depth security including strong encryption of data and communications, multi-factor authentication, IDS, firewalls, hardened OS and system architectures, and stringent security policies and procedures.

Applications include:

Oil & Gas Production Facilities
 Pipelines
 Power Distribution Systems
 Power Transformers
 Substations
 Telecommunications Facilities
 Fleet Tracking
 Critical Infrastructure
 Homeland Security
 Defense Systems



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Rapid Deployment

iSCADA, together with M2M's extensive industry field expertise and best-of-breed design, manufacturing, and testing services - provides the **fastest time-to-service** in the business with the **least amount of customer overhead**. iSCADA projects deploy in hours vs. days, months, or years.

Broad Communications Support

Satellite	Ku-band GEO/VSAT
	Low-cost Ku-band GEO/VSAT
	UHF/VHF LEO/VSAT
	L-band GEO/VSAT
Digital Subscriber Line (DSL)	Data modulated over analog voice channel.
Digital Cellular	CDPD, PCS, GSM, GPRS etc.
AMPS 800 MHz control channel	Celelemetry and Aeris
Existing LAN	NT or Linux based facility local area network supporting TCP/IP
Fixed wireless	Multipoint Microwave Distribution System (MMDS) 2.5 GHz and 2.7 GHz
Analog Telephone	FSK modem
Narrow band PCS	Motorola Reflex 25 and 50
Data Radio	900 MHz FCC Part 15.247 frequency hopping spread spectrum. 1 W transmit power.
	900 MHz FCC Part 15.247 frequency hopping spread spectrum. 250 mW transmit power.
	900 MHz single channel FCC part 15.249. 1 mW transmit power.
	900 MHz single channel FCC part 15.249. 1 mW transmit power.
	900 MHz FCC Part 15.247 frequency hopping spread spectrum. 1 W transmit power.
	900 MHz FCC Part 15.247 frequency hopping spread spectrum. 100 mW transmit power (software adjustable to 50 mW & 25 mW)
	2.4 GHz frequency hopping spread spectrum 10 mW.
	2.4 GHz frequency hopping spread spectrum 200 mW.