

M2M Communications

Energy Management for New York City

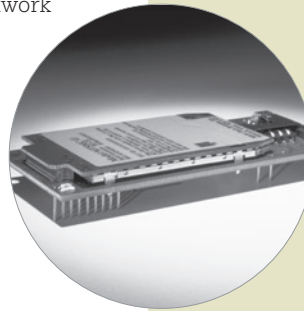
As the population of a city grows, the demand for energy, such as natural gas may outgrow the capacity of the distribution system. Enter energy management solutions by M2M Communications. Utilizing a web-to-wireless remote monitoring and control product with an integrated Multi-Tech SocketModem® wireless module, gas companies can optimize their natural gas delivery.

This is exactly how it works in New York City. Parts of the city's distribution network of gas pipelines are older or buried under the city and are sometimes fixed in size and capacity. Therefore, increasing demand can be difficult yet the utility company is required to provide gas to all customers at all times. New York City's KeySpan Energy Corporation, the fifth largest distributor of natural gas in the U.S. has initiated a program to switch groups of large customers from the gas network to on-site fuel oil based on outside temperatures and the currently available gas supply and demand. This "demand side management" process significantly reduces the total load on the city's pipeline network and ensures adequate supply for residential and other critical customers.

The fully automated M2M Communications Network Operations Center and web site, located in Boise, provides the overall system intelligence to conveniently manage all interruptible customers from one coordinated location. With the click of a mouse, the operator can send thousands of cellular commands, shifting the selected users from gas to oil. Within 10 seconds, all units will carry out the request and respond with a positive acknowledgement.

The SocketModem GPRS embedded module is the communication device that sends and receives all of the wireless commands. "In the past, telephone based modems and controls were used, but this required an expensive commercial grade phone line to be run to every meter," explains Steve Hodges, President of M2M Communications. "The wireless SocketModem fit our needs perfectly. Its small form factor and capabilities allowed us to integrate seamlessly and saved valuable resources. And, the universal socket architecture gives us the capability to integrate interchangeable models (CDMA or other future technologies) into one system design."

M2M Communications is currently actively involved in the field test phase with other utility customers. For example, PacifiCorp / Utah Power is using the M2M product to disable (shed) large water pumps and irrigation systems in southeastern Idaho during the peak summer consumption hours. This allows them to provide more electric power to their other customers during the busy hours without building a new power plant or paying high prices for out-of-state peak power.




SocketModem GPRS

- GPRS Class 10
- Packet data up to 85.6K bps
- Universal Socket Connectivity
- Carrier approved

M2M Communications

designs and manufactures wireless communication products, systems and services. The company specializes in industrial

Machine  *to Machine applications, especially equipment and facilities monitoring and control.*

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