

# Milesight Provides Secured VPN Networks and Reliable Wireless Connection for Data Transmission for Energy Management in Singapore



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In today's commercial buildings, installing an effective electricity metering system can be a source of substantial energy and cost savings. This blog examines cellular router, which comes with the rich VPN protocols and reliable wireless connection, as an essential component toward a comprehensive energy management strategy. Best practices for connecting an industrial computer, and working on cellular network are described.

### KEYWORDS

- Smart Metering
- Energy Management
- Secure Operability via ETH Port
- Reliable Wireless Connectivity via 4G/3G

### PROJECT

Our UR32 cellular router provides you with consistent and secure operability and reliable wireless connections for your most critical remote applications.



### HARDWARE LIST

Industrial Cellular Router UR32

- Compact Design
- Advanced Fail-over Solution
- WAN switchable to LAN
- Reliable VPN technology



## SOLUTION

Milesight worked with the Power Automation Pte Ltd. in Singapore to carry out this application successfully. The hundreds of power meters, industrial PCs and compact Metersight UR32 cellular routers are efficiently supporting each other in this energy management solution.

In this scenario, we can see, due to the compact design of Milesight cellular router, UR32 can be easily deployed in minimal space without disruption. One of the ETH port on UR32 router works as LAN to connect with a small industrial PC in the field, for the data reading from power meters, which allows industrial PC to be connected and controlled, while built-in Open VPN, IPSEC, PPTP and L2TP offers extra device and data transfer security to keep your information safe, and router bridges data between field and the back-end monitoring center by cellular 4G/3G network. The data communication between power meters and industrial PC is also relying on the wireless radio frequency technology.



In brief, for data communication in the electricity metering solution you can take advantage Milesight cellular routers to achieve massive cost-saving over traditional back-haul methods such as fiber or leased lines.

## BENEFITS

- Rich VPN protocols OpenVPN, IPsec, PPTP, L2TP, DMVPN, GRE ensures the secure data transmission
- Assure the uninterrupted network access by 3G and 4G cellular technology

## ABOUT POWER AUTOMATION PTE LTD.

Power Automation company is a joint venture formed in 1996 between SP Group and Siemens, providing innovative and cutting edge technologies that help to deliver power system control, substation automation, smart grid and metering and protection systems.

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