



Global Power
Products

New Era Smart Electric Meter

Communication Options

Meter Communication Options



There are currently 6 forms of communication currently available on the NE Meter:

Wireless	Wired
LTE Cat-M1 Cellular	Ethernet
Wi-Fi	Modbus
900 MHz Radio Frequency	BACnet



Viewing the Data

NE Meter Management Website

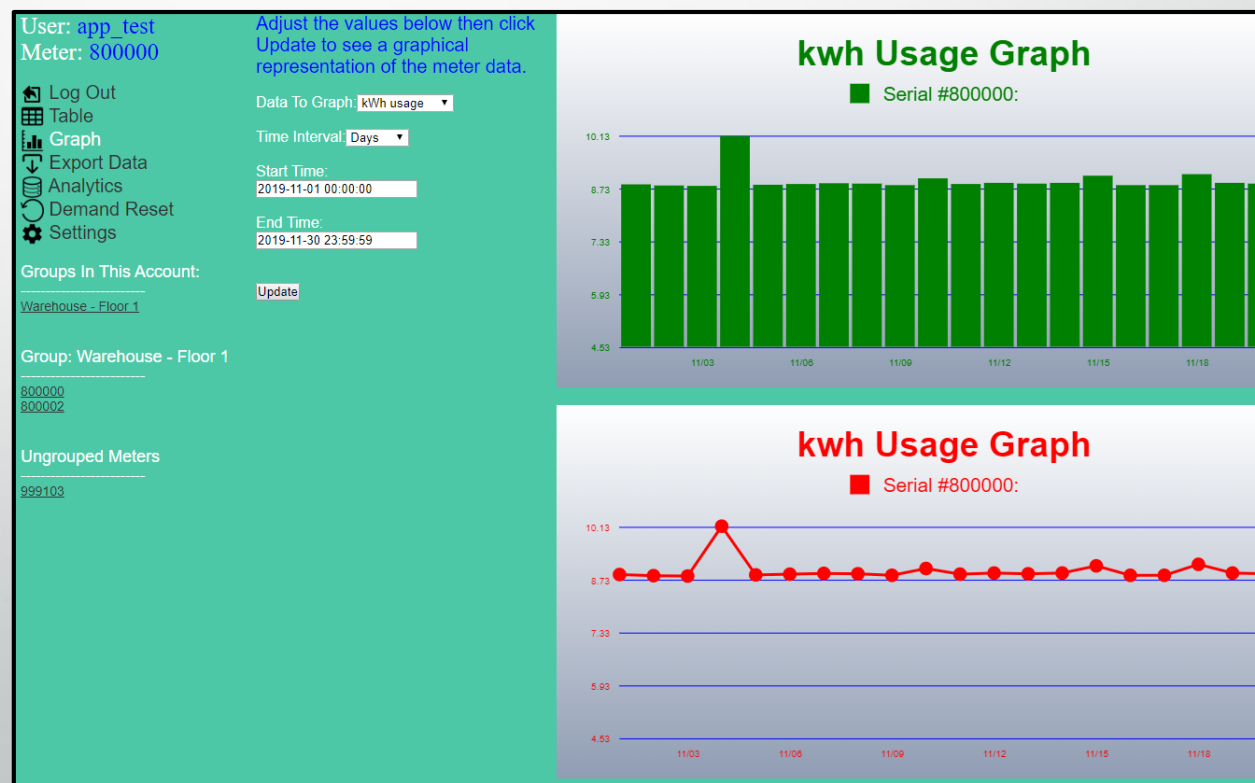
- Access every meter read since the meter was installed
- Create graphs illustrating usage in specific time ranges
- Export meter reports to make monthly billing easy
- Perform demand resets
- And more...

Visit our website and log in to our demo account:

URL: nemeter.com/login

Username: App_test

Password: 12345





Viewing the Data

NE Meter Management Smart Phone App

- View your meter readings from anywhere in the world
- Perform remote demand resets
- And more...

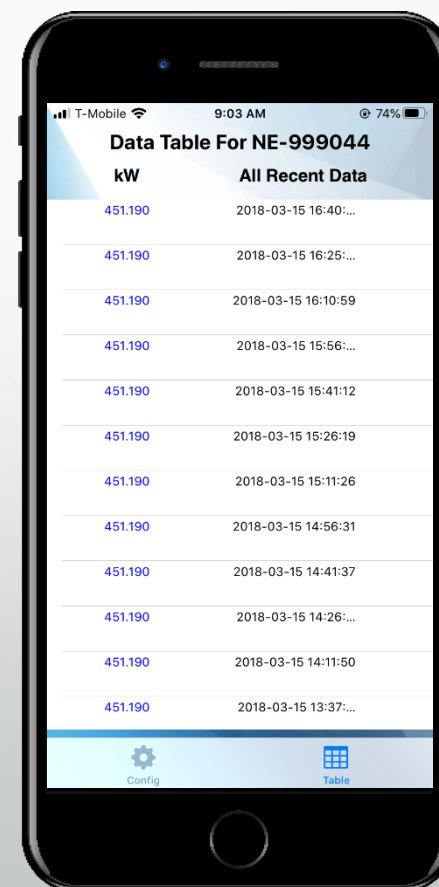
Download the app and log in with our test account:

App Store: NE App

Username: App_test

Password: 12345

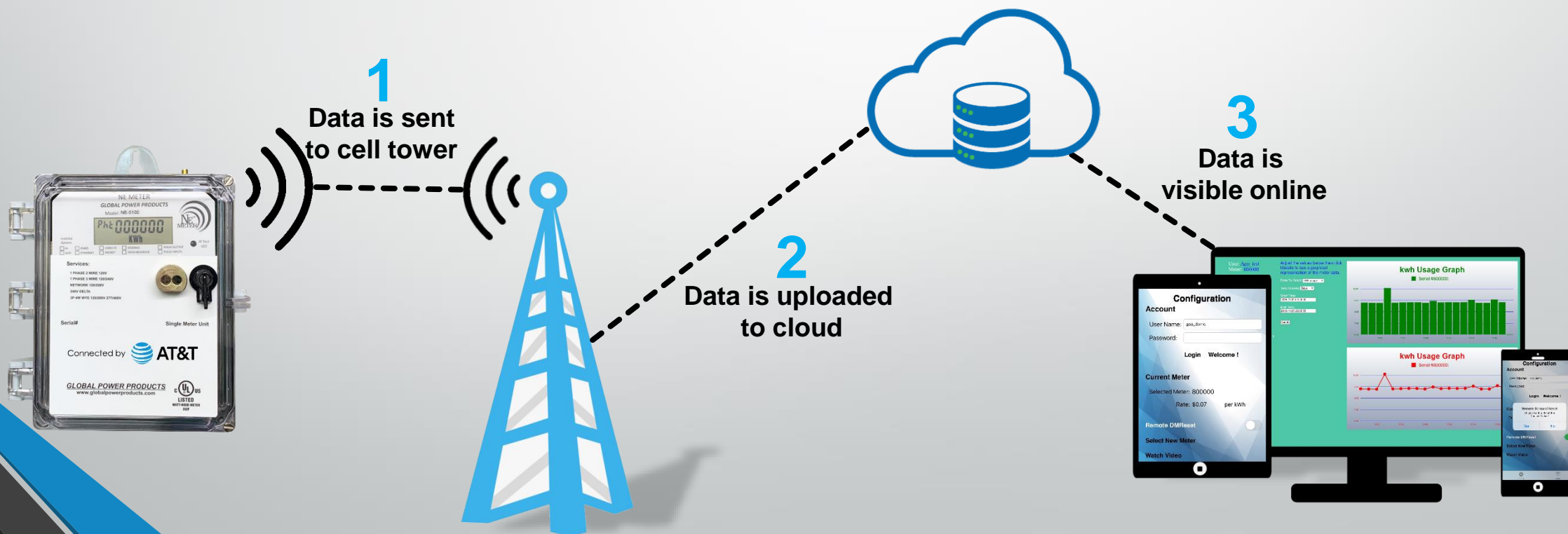
ANDRIOD APP COMING SOON!





LTE Cat-M1 Cellular

Connected by AT&T, this cellular option utilizes the latest in LTE Cat-M1 technology and requires ZERO setup by the customer. Cat-M1 is a low-power wide-area (LPWA) technology that offers a highly secure, cost-effective, and extremely reliable way to upload meter data. This is the first network to operate on a dedicated spectrum optimized for IoT which allows it to thrive in even the most challenging environments.



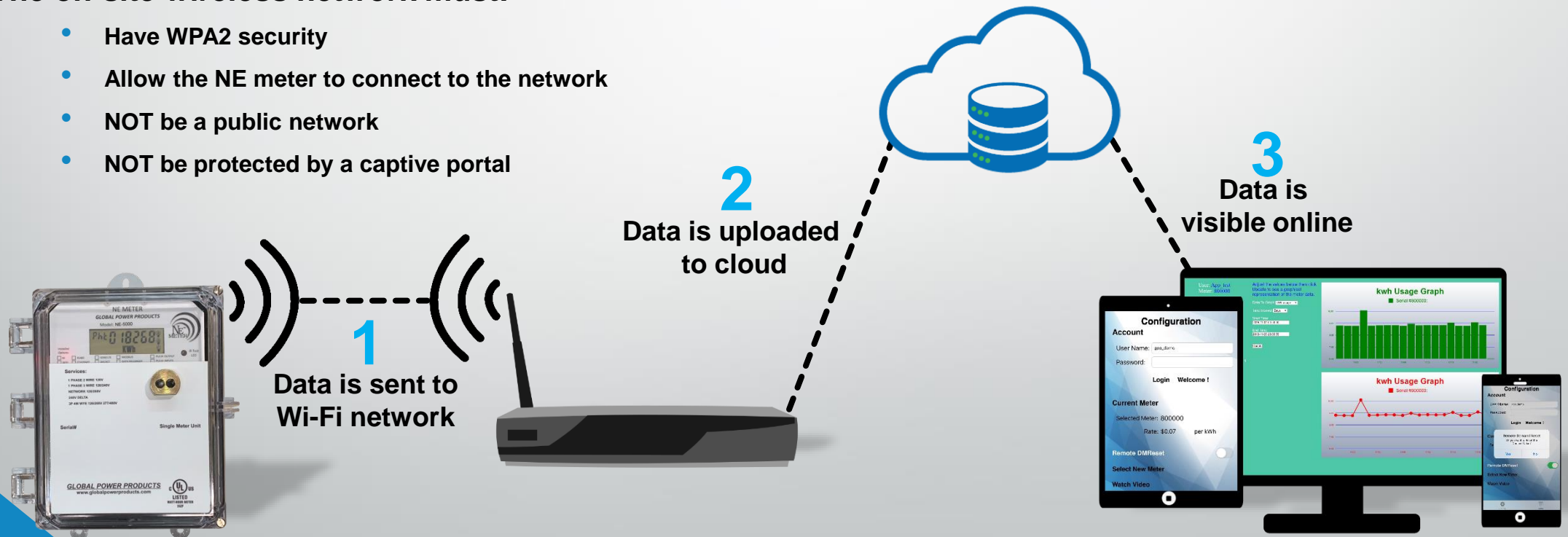


Wi-Fi

The NE meter connects to an on-site Wi-Fi network and automatically starts uploading its values to our cloud database. The user can manually connect the meter to the Wi-Fi network by following a 3-step setup process or the credentials of the network can be pre-programmed onto the meter to make setup easy.

The on-site wireless network must:

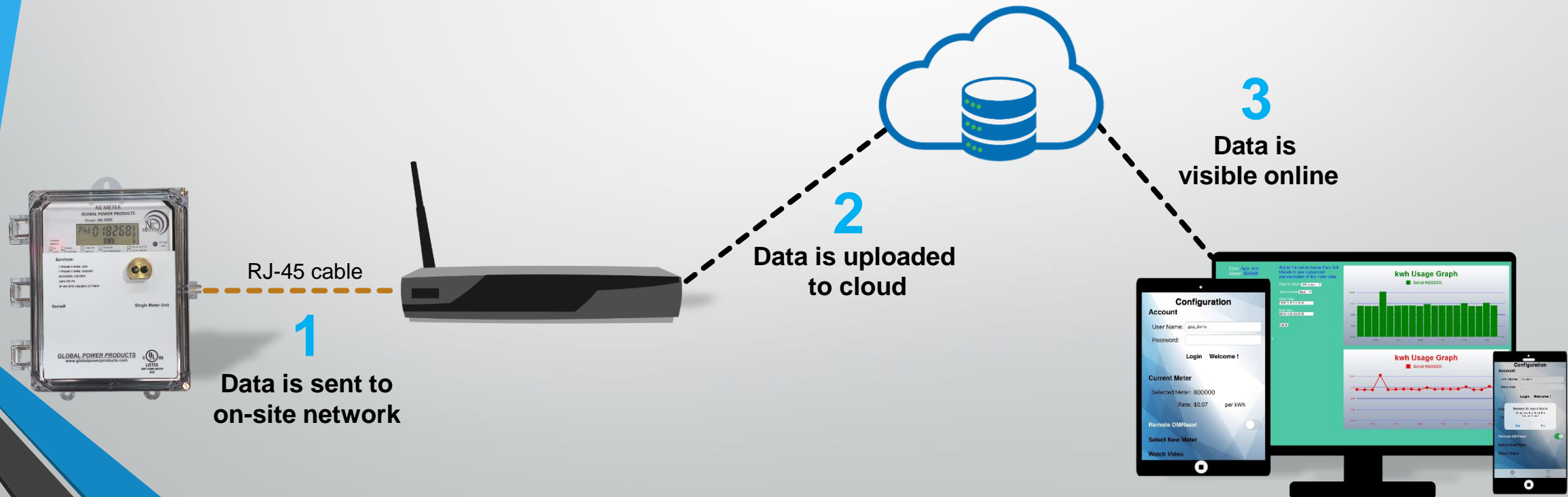
- Have WPA2 security
- Allow the NE meter to connect to the network
- NOT be a public network
- NOT be protected by a captive portal



Ethernet



The NE meter connects to an on-site LAN via RJ-45 cable (ethernet patch cable). Once connected to the network, the meter automatically starts uploading its values to our cloud database. The on-site network must allow the meter to connect to the internet.

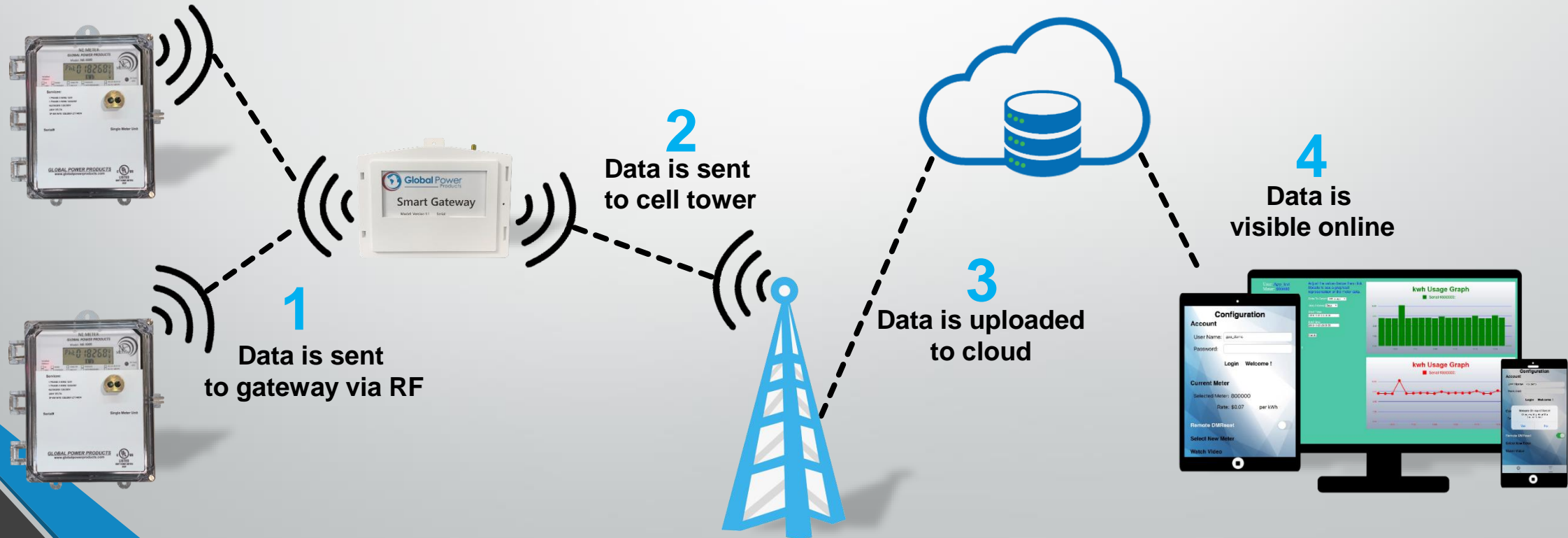


900 MHz Radio Frequency



For sites with many meters, radio frequency technology is used on each NE meter allowing it to communicate with an on-site GPP Smart Gateway. The gateway is equipped with cellular, Wi-Fi, or ethernet communication. The gateway automatically collects all of the meter's values and uploads the data to our cloud database. The example below depicts when the gateway is equipped with cellular technology.

- Additional RF antennas may be necessary to ensure a reliable connection at large sites.



Modbus/BACnet System



The NE meter connects to the on-site trunk/bank of a building automation system through a RS-485 cable (3-wire output). The meter readings can then be seen using the building automation system.

- The only Modbus protocol the NE meter currently uses is RTU
- The only BACnet protocol the NE meter currently uses is MSTP

