

**MON****Optergy**  
EnterpriseCommissioning  
Services By:

## TBWC Submetering+ Energy Management System Pre & Post Installation, Start-Up & Commissioning Checklist

The following items must be COMPLETED by the appropriate party before an authorized TBWC technician will be scheduled to perform remote or on-site commissioning of meters or a metering system. If the following items are not completed and checked off before the start of the commissioning process, additional CHARGES MAY BE ASSESSED based on daily on-site or remote commissioning service rates.

### I) TBWC TECHNOLOGY SALES REPRESENTATIVE

Agency \_\_\_\_\_ Contact \_\_\_\_\_ Title \_\_\_\_\_  
Ph # \_\_\_\_\_ ext \_\_\_\_\_ E-Mail \_\_\_\_\_

II) **PROJECT NAME** \_\_\_\_\_ **BUILDING NAME** \_\_\_\_\_  
**SITE ADDRESS** \_\_\_\_\_ **CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_  
**NEW FACILITY - NO INTERNET ACCESS** ☐ **EXISTING FACILITY - INTERNET ACCESS** ☐

### III) AGENT / CUSTOMER PROVIDED DOCUMENTS

A) Submeter Configuration, Labeling and Network Information

☐ 'DI-SA & DI-HD SMART METER DETAIL' \_\_\_\_\_

- or -

☐ 'DI-HD PANEL-LOAD-CT SCHEDULE' \_\_\_\_\_

- or -

☐ OTHER TBWC APPROVED DOCUMENT \_\_\_\_\_

B) Engineering Detail as needed

☐ Single Line Diagram with notes \_\_\_\_\_

☐ Panel Schedules \_\_\_\_\_

IV) **AUTHORIZED DISTRIBUTOR** \_\_\_\_\_ **CITY** \_\_\_\_\_

Reference Purchase Order # \_\_\_\_\_ Date \_\_\_\_\_

IS Contact \_\_\_\_\_ Ph # \_\_\_\_\_ E-Mail \_\_\_\_\_

OS Contact \_\_\_\_\_ Ph # \_\_\_\_\_ E-Mail \_\_\_\_\_

V) **INSTALLATION TEAM DETAIL** ☐ **CONTRACTOR** ☐ **END USER** ☐ **OTHER** \_\_\_\_\_

Company Name \_\_\_\_\_ **CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

Project Mgr. \_\_\_\_\_ Ph # \_\_\_\_\_ E-Mail \_\_\_\_\_

Installer \_\_\_\_\_ Ph # \_\_\_\_\_ E-Mail \_\_\_\_\_

Installer \_\_\_\_\_ Ph # \_\_\_\_\_ E-Mail \_\_\_\_\_

☐ **PRE-CONSTRUCTION MEETING SCHEDULED** DATE: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ TIME: \_\_\_\_

Review scope of work, products and network installation detail, including but not limited to TBWC requirement to secure remote access to the DAS / submetering system prior to commissioning.

# DENTCloud<sup>TM</sup> METER SETUP

## EASY SETUP FOR QUICK DATA ACCESS



### Internet Access

To reach the DENTCloud, a PowerScout HD meter needs to be attached to the internet connection point. Most commonly, connection is established by using an ethernet cable to connect to the local network on the site. If local access is unavailable or security restrictions prevent the meter from connecting, we recommend using a cellular modem as an alternative.

Only a few pieces of information are needed for meter setup; usually, it does not require any special setup on the network. You will need to know if the meter will be assigned a dynamic IP address (DHCP), or if it will have a static IP assigned (If so, you will need to have the device IP and the Gateway IP). While rare, some networks have firewalls with advanced protection in place. In this case, you'll need to let your network administrator know that ports 1883 and 8883 must be opened for the MQTT protocol.

### Meter Setup

The meter's default network setting is for the DHCP-assigned IP address. If your network is configured for DHCP, plug the ethernet cable into the PowerScout HD meter, and it should automatically connect to the DENTCloud and begin sending data.

If the local network requires a static IP, that can be set directly through the meter's front panel or using the ViewPoint HD software:

#### Set Static IP through the meter

Press any key on the meter's keypad to enter the menu system. Go into the "Communications" menu, set DHCP to "OFF," and then set the Device and Gateway IP addresses. Note that to "save" the new values, you must press the left arrow key (<).

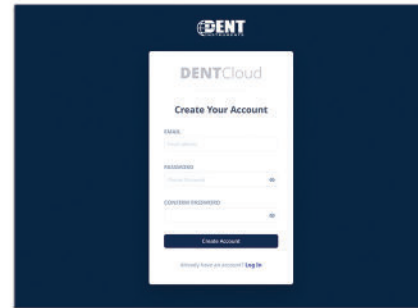
#### Set Static IP through ViewPoint HD

Connect the meter to the computer and then start the ViewPoint application. Select "Communications" from the drop-down list in the upper right-hand corner of the screen. Then, unselect the radio button for DHCP. Input the Device and Gateway IP addresses. Be sure to use the "Send Setup to Meter" button to save the parameter to the meter and have your changes take effect.

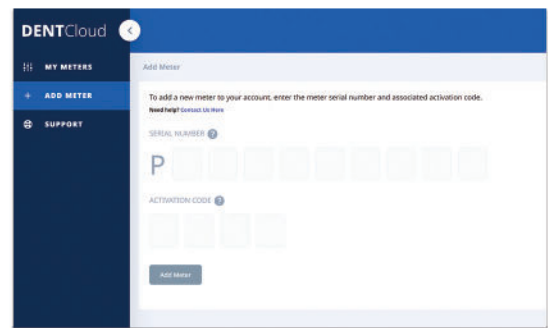
# DENTCloud<sup>TM</sup> START TO FINISH

## EASY SETUP FOR QUICK DATA ACCESS

- 1 CREATE YOUR CLOUD ACCOUNT**  
Go to <https://dentcloud.io> and create an account with just an email address and password.



- 2 ADD A METER TO YOUR ACCOUNT**  
Use the serial number and unique activation code from the meter, to "adopt" the meter into your account.



- 3 ACCESS YOUR METER'S LIVE AND HISTORICAL DATA**  
Create a customized dashboard for viewing parameters and graphs of your data, work with the data in a tabular form, or export for use in your favorite data analysis program.

