



Introduction to Corview.Cloud

June, 2023

Overview

CorView is a web interface used to monitor cathodic protection systems that use RMU1, RMU2, RMU3, and RMU5 units. Readings are gathered and stored within a secure AWS Cloud environment.

Users can download all or a subset of their data as either a MS Excel compatible comma separated values (CSV) file or JavaScript Object Notation (JSON) file. Alarm reporting allows near real time notification of units in alarm via email to fixed computers and mobile devices.

This Guide is meant as an introduction to CorView Cloud, and to provide insight on various features, functionalities and operations available to users within the CorView Cloud platform that are new and different from the Legacy platform.

For any questions not addressed in this documentation, please contact our service department:

email	service1@mobiltex.com
*phone (toll free)	1.844.689.3282

*Please note, our phone line is monitored Monday through Friday from 7AM to 5PM Mountain Time (UTC-7:00)

Getting Started with CorView Cloud

Creating a New Account

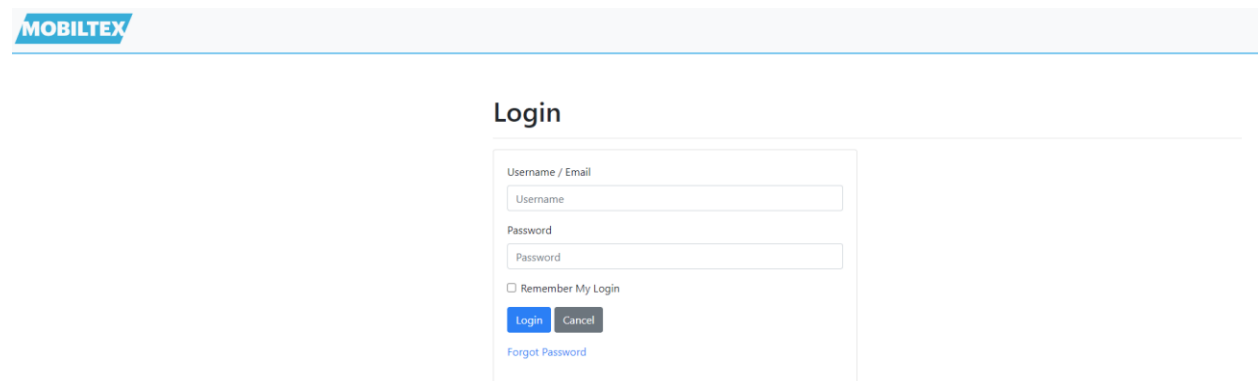
In order to gain access to CorView Cloud, users must first have an account set up for them. Your company's **CorView Cloud Administrator** is responsible for managing user accounts within your company, please contact them and they can create an account for you.

If you are the **CorView Cloud Admin** for your company and need to set up a new user account, instructions on how to do that can be found ****here** (add hyperlink to account creation walkthrough)**

Logging in to CorView Cloud

Once you have a user account set up, you can log in to CorView Cloud by navigating to corview.cloud

You should be greeted with the following page:



MOBILTEX

Login

Username / Email
Username

Password
Password

☐ Remember My Login

Login Cancel

[Forgot Password](#)

To log in, enter your username and password and select **Login**.

If you are logging in for the first time and have not set up a password yet, use the **Forgot Password** link below the **Login** button to initiate the password reset process. You should receive an automated email to the address that was used to set up your account and you can follow the instructions in the email to specify a new password.

PLEASE NOTE the following password requirements for your new password:

- Password must be between 8 and 15 characters in length
- At least one special character required (~`!@#\$%^&*()_+ -=[]{}|<> ,.)
- At least one number
- At least one capital letter
- No more than 2 repeating characters

User Roles and Permissions

Access to CorView Cloud is restricted to those who have an account set up. For instructions on how to set up an account, please visit the [Getting Started](#) page.

There are a variety of privileges called **User Roles** that can be assigned to each account in order to control their level of access to CorView Cloud. Specifically, for each account, the assigned **User Role(s)** define:

- What pages the user can visit
- What actions the user can perform (view only, manage sites/readings, export data etc.)

Every company must designate at least one account with the **Admin User Role**. The company **Admin(s)** can has access to all features/functionalities available within CorView Cloud within the scope of their company's data. Additionally, an **Admin** has the ability to add and/or remove accounts from their company, and control the access level of the other accounts in their own company from the ****Setup → Users (add hyperlink here)**** page. Multiple roles can be assigned to one account to extend the scope of the accessibility. The list of the roles and the scope of access for each is detailed below:

Role	Privileges	Scope
Guest	Read-Only	Read-Only Access on the following pages: • Readings menu → Readings, Map, Graph, Site Status, Reports • Setup Menu → Site list, RMU list, Adjust site GPS offset, Group Setup, Group List, Company Info, User Info, File Download • Help menu → All help pages
User	Guest Role and Edit capability on own user profile	Read-only access on the following pages and limited edit capability on the User profile page: • Readings menu → Readings, Map, Graph, Site Status, Reports • Setup Menu → Site list, RMU list, Adjust site GPS offset, Group Setup, Group List, Company Info, User Information (Edit enabled), File Download • Help menu → All help pages

Role	Privileges	Scope
Control User	Guest role and access to the Control menu pages	Enables access to the Control menu pages to send various Interruption commands Control → RMU History Info, Interruption Status, Send Command, Command History <i>Cannot edit/modify interruption groups</i>
Site Deletion	Guest role and Site deletion	Has privileges to edit and delete site list and readings (manually inserted only)
LTE Swap	LTE Swap	Enables showing the LTE Swap column in the site list and RMU list page to perform LTE Swap
Admin	Guest, User role, and LTE Swap	Has insert and edit privileges on-site list, user information, groups, and readings. Additionally has the ability to add/delete/modify other accounts within the Company, as well as manage what User Role(s) are assigned to them.

CorView Dashboard

Overview

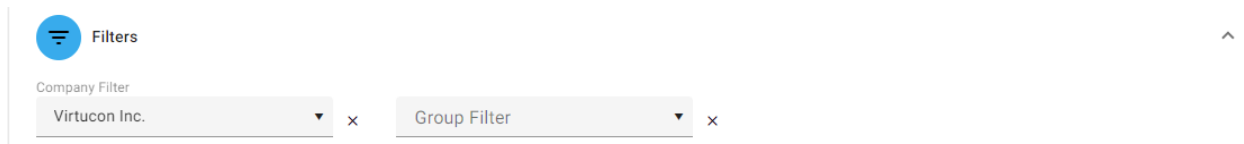
The CorView Dashboard is the main page that greets the user upon first logging in. It contains a collection of interactive widgets and graphs meant to provide an overview of the ongoing activity associated with the various Sites and RMUs within that user's company, as well as draw attention to any sites and/or units requiring attention. Clicking on any of the widgets, or on a subset of the data within any of the graphs will redirect the user to the appropriate page type within [Readings](#) tab, where a filter will already be in place to show only the data pertaining to the sties/units that were selected from the Dashboard.

Below is a screenshot of an example dashboard page as well as descriptions of each graph/widget:



1. **Sites in Alarm:** Alerts the user to the number of sites that are current displaying any status which triggers an alarm, such as "Schedule Reading" or "Overdue".
2. **Low/Warning Batteries:** Alerts the user to any RMUs which may require new batteries to continue operating. Those in "Low" status are in more immediate need of attention
3. **Overdue Units:** Displays the number of units which currently have the "Overdue" status applied to them. They are also broken out and colored by unit type. A user may click on individual colored segments of each bar to see only those units of that specific type which have the "Overdue" status.
4. **Failed Transmissions:** Displays the number of failed transmissions over the last 24h period
5. **Rectifier Operation:** Displays the operation status (In Alarm, or Normal) of Rectifier units over the last 24h period
6. **Rectifier State:** Displays the percentage of time Rectifier units have spent in various states (On/Off/Interrupt) over the last 24h period
7. **Command Success Rate:** Shows the percentage of remote commands that were successfully sent and executed from the [Send Command](#) page within CorView Cloud to various RMUs
8. **Sites with Default Names:** Shows the percentage and total number of sites within the currently filtered selection that have Default Site Names (Site Names which match ESN or Electronic Serial Number of the RMU) as opposed to custom ones specified by a user
9. **Fleet Count:** Shows the total number of each type of unit within the currently filtered selection
10. **CorView Login Activity:** Shows the total number of users that have logged into the currently filtered company over the course of the past week.

!! Note: The filter button reveals two dropdown menus when clicked as shown below. The data displayed on the Dashboard can be filtered at any time by selecting either a specific **Company** (if the user has access to multiple) or **Group** (or both) from the dropdown menus, and the Dashboard will automatically update to display data associated with only the filtered selection.



Map

Overview

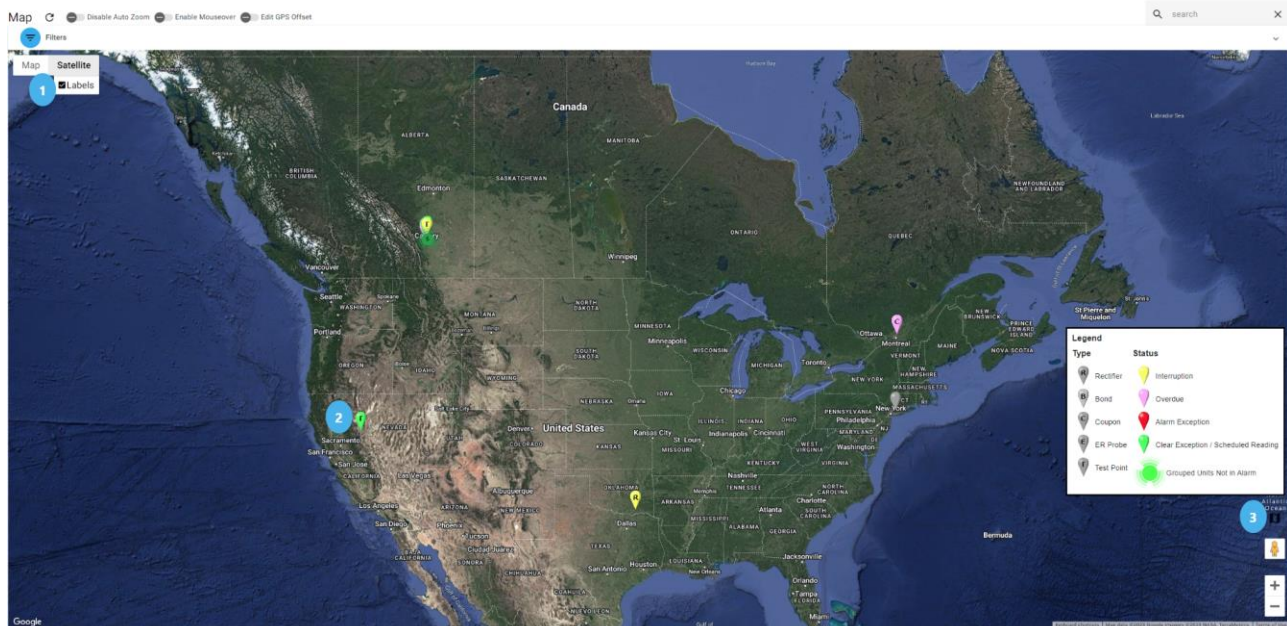
The Map page allows users to visually see where the various sites within their fleet are located geographically and in relation to each other on a Map. The page is integrated with Google Maps and allows for viewing either in traditional "Map" mode or with a "Satellite" overlay. Various unit types are displayed with different markers, distinguishable based on the letter displayed. The marker color gives up to date information regarding the status of a specific site. Clicking on any specific marker within the Map prompts the user with a dialog box that displays current and relevant information regarding that unit, as well as gives several options pertaining to that unit such as viewing historical readings, or sending a command. All the various features/functionalities available are described in more detail in the various sections below.

Navigating the Map Page

Navigating the Map page will feel comfortable and familiar to anyone who has used Google Maps before. Basic navigation controls are described below:

- **Pan:** Left-click and drag within the Map window, or Right-click and drag within the Map window
- **Zoom:** With your mouse pointer positioned within the Map window, use the scroll-wheel on a standard 3-button mouse to zoom in (scroll up) or out (scroll down) of the Map window. The functionality works for a laptop track-pad as well where scroll up zooms the Map in, while scroll down zooms out. Alternatively, the + and - buttons in the bottom right-hand corner of the screen can also be used to zoom the Map window in and out respectively

Some additional features of interest are labeled and described on the next page.



1. **Map Overlay:** The buttons in the top-left corner of the Map allow the user to switch between a traditional Map overlay or a Satellite view (shown above)
2. **Site Marker:** Site markers show the geographic location of various Sites based on the Company selected and Filter(s) applied. See the following section for more information on Filters.
3. **Legend:** The button in the bottom-right corner of the screen displays a Legend specific to CorView Cloud when clicked. The Legend pertains to the appearance and annotation of the Site Marker(s) displayed
 - a. **Site Marker Types (Letter):**
 - i. **R:** Rectifier
 - ii. **B:** Bond
 - iii. **C:** Coupon
 - iv. **E:** ER Probe
 - v. **T:** Test Point
 - b. **Site Marker Status (Color):**
 - i. **Yellow:** Interruption
 - ii. **Pink:** Overdue
 - iii. **Red:** Alarm Exception
 - iv. **Green:** Clear Exception / Scheduled Reading
 - c. **Grouped Units Not in Alarm:**
 - i. When multiple units with no Alarm status are in close proximity to each other on the map, they are denoted by a green circle with a number inside that signifies the number of units grouped within that circle

Map Options and Filters

The Map page has some additional functionalities built-in which are specific to CorView Cloud. These are outlined below.



1. Site Filters:

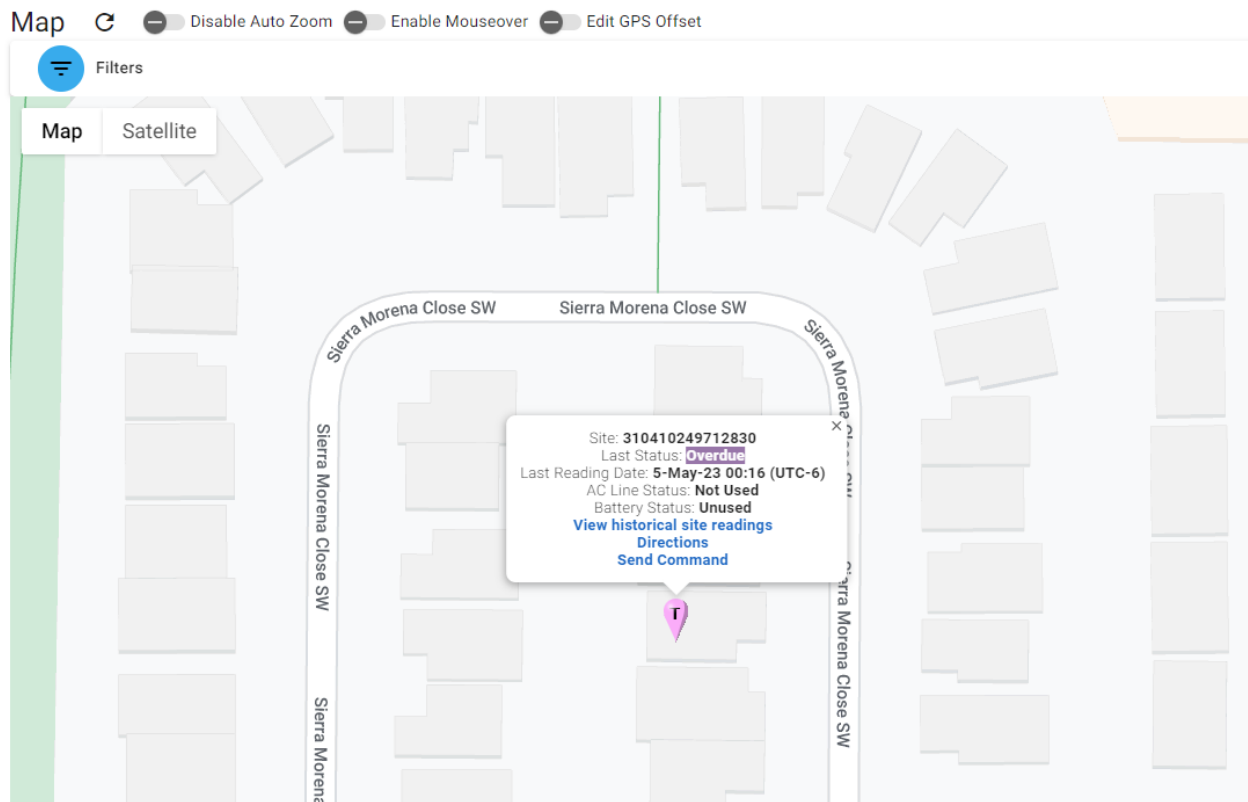
- a. **Dropdown Menus:** These dropdown menus allow the user to filter between various Companies / Site Groups / Sites (by name or number) / Unit Types that are available to their account
- b. **Filter Toggles:** These toggles allow the user to apply additional filtering to also display Inactive Sites, and display only sites that currently have a status which qualifies them as "In Alarm". Both of these toggles are off by default.

By default, whenever a filter is updated, the Map Window refreshes and the view gets refocused to contain the Sites which have been filtered to.

2. Map Window Functionality:

- a. **Disable Auto Zoom:** This option toggles the auto-refocus functionality described above on or off. When turned on, modifying a filter will no longer refresh the Map Window.
 - b. **Enable Mouseover:** This toggles the way in which Dialog Boxes for Sites are displayed. By default, a Site Marker must be selected (left-clicked) in order to display the associated Dialog Box. When this option is toggled on, simply hovering the Mouse Pointer over a Site Marker will cause its Dialog Box to be displayed.
 - c. **Edit GPS Offset:** This option "unlocks" the Site Marker position allowing the user to move them. By default, Site Markers are locked in place and cannot be moved. When this option is toggled on, a user can right-click on a Site Marker and drag it to change its position. When the user releases the mouse button, they will be prompted whether or not they wish to change the Site Marker position. The purpose of this functionality is to allow for Site Markers that are directly overlapping each other on the Map to be shifted slightly.
3. **Text Search:** In addition to the filters described above, users can also use a basic text search to filter the Site Markers displayed based on those which match the text entered.

Marker Specific Options/Dialog Box



When a user selects (left-clicks) on a Site Marker, a Dialog Box appears which shows relevant information about that Site such as:

- Site Name
- Last Status
- Last Reading Date
- AC Line Status (if applicable)
- Battery Status (if applicable)

Additionally, the Dialog Box provides 3 links which can be clicked on by the user in order to be automatically redirected to new pages for getting data or performing operations regarding that Site.

- **View historical site readings:** Opens the [Readings Table](#) page with a filter automatically set to that specific Site, and the date range set for the last calendar day
- **Directions:** Opens a new Google Maps page that shows directions from the user's current location to that site
- **Send Command:** Opens the [Send Command](#) page for that specific Site

Graph

Overview

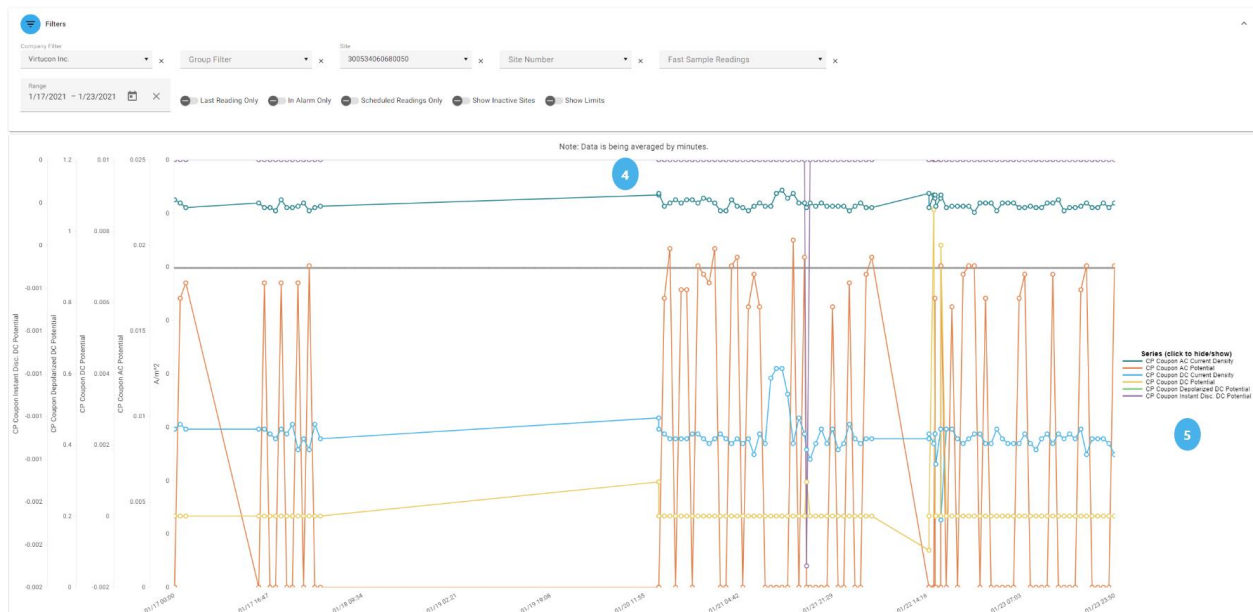
The **Graph** page (also sometimes referred to as a **Chart**) is for displaying the historical Readings values in visual format. There are various ways to access this page in addition to simply navigating to it under the readings tab. Many of the contextual filters found throughout CorView.cloud when viewing data in a **Table** or **Grid** (3 vertical dots on the left-hand side of a given row) will present the option to navigate directly to this page, with the appropriate filter options already in place to view the data for that particular site.

It is important to note that in order to view any data on this page, a **specific Site must be selected from the dropdown in the filters section at the top of the page**. The graph can only display data for one Site at a time, so if no Site is selected, the Graph will remain blank.

Below are the options available within the Graph page itself for curating and filtering the data plotted on the Graph.

Page Functionality

The following screenshots highlight the key elements and interactive features of the Readings Table. Descriptions of each item can be found below.



1. **Table Filters:** This button shows/hides the master filters available. These dropdowns allow the user to curate which specific Sites are shown within the Table based on the criteria below:
 - a. Company
 - b. Group
 - c. Site Name
 - d. Site Number
 - e. Fast sample readings (for RDL1 units)
 - f. Date Range
 - g. Toggle showing only the last reading value that was recorded within the specified date range
 - h. Toggle only Readings that qualify the Site as being "In Alarm"
 - i. Toggle only Readings which are scheduled (as opposed to manual readings, or the result of one-off commands)
 - j. Toggle Inactive Sites on/off
 - k. Toggle showing the limits set for the site being displayed
2. **Export:** The export option will allow the user to export the Graph either as an Image (.PNG file), or a .CSV file containing the raw data:

Export Data

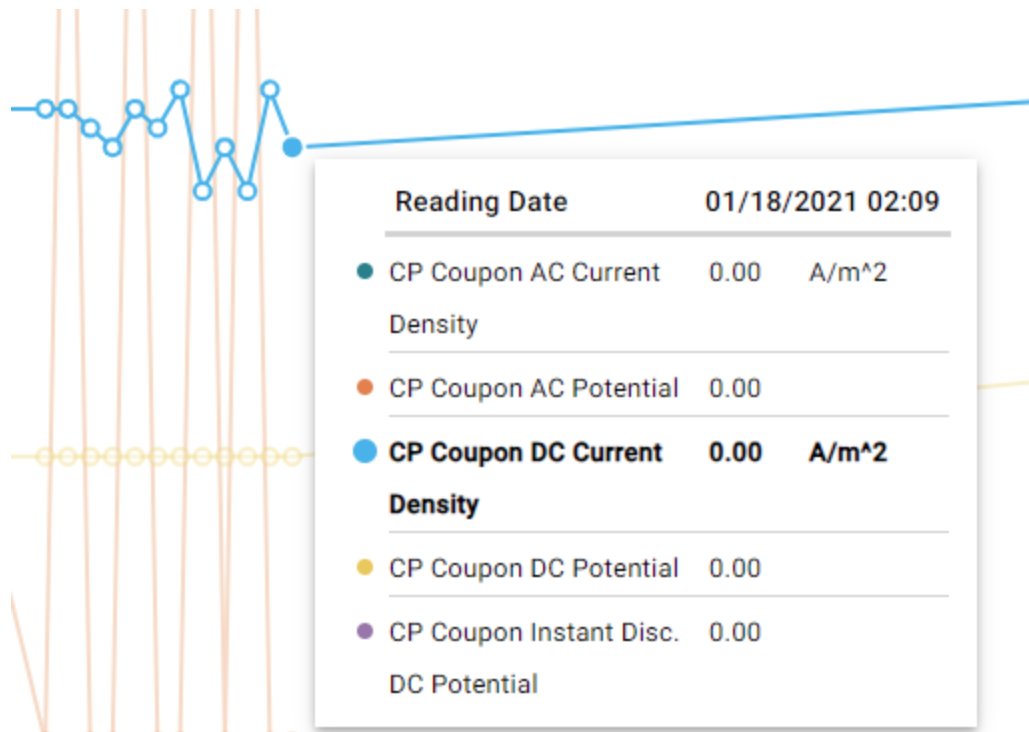
Export Format:

☐ PNG ☒ CSV

File Name
readingGraph.csv

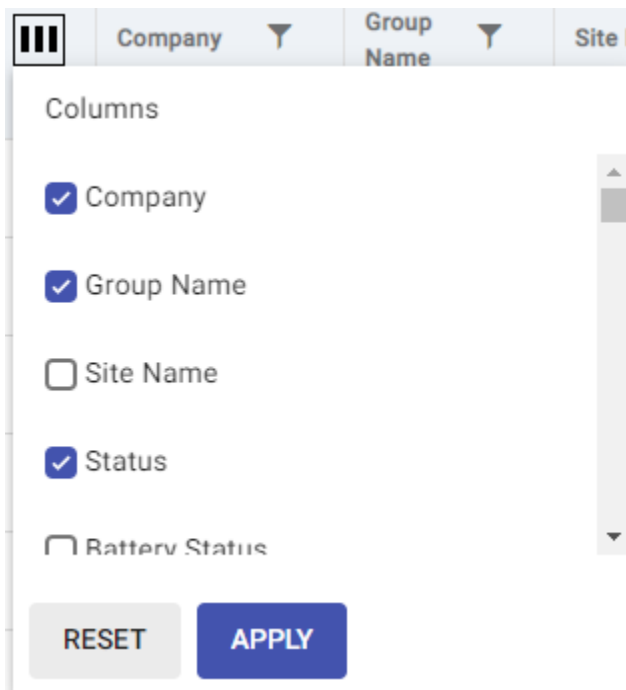
Cancel Export

3. **Text Search:** This search bar allows the user to filter the Table based on a simple text search which looks for a match of the entered text within any of the following fields:
 - a. Company
 - b. Site Name
 - c. Group Name
 - d. Reading Status
4. **Main Graph Window:** The main graph window is where the data is plotted and displayed. The chosen date range is displayed along the X-axis at the bottom. The various current readings/units are shown along the Y-axis on the left-hand side. Within the graph window, the user can use the scroll wheel to zoom in or out of the graph. As well, they can hover over any of the displayed points within the graph in order to see a tool-tip which shows reading data pertinent to that particular point. The data for the specific point being displayed in the tool-tip will be coloured in on the graph, while other points will be represented by hollow circles (see below).



5. **Graph Legend:** The Legend on the right hand side of the graph shows which particular readings are being displayed by each coloured line on the graph.

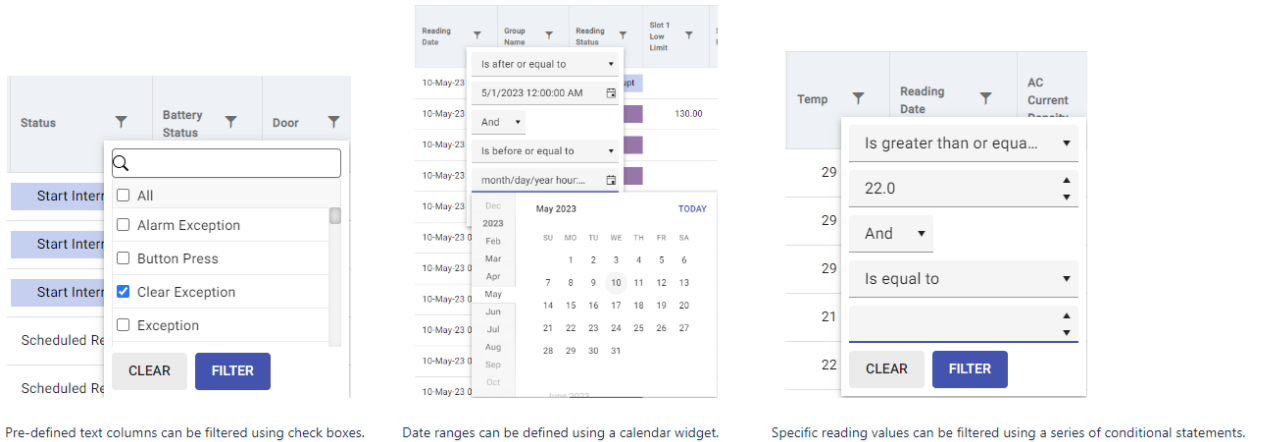
1. **Table Filters:** This button shows/hides the master filters available. These dropdowns allow the user to curate which specific Sites are shown within the Table based on the criteria below:
 - a. Company
 - b. Group
 - c. Site Name
 - d. Site Number
 - e. Hardware Type
 - f. Date Range
 - g. Toggle showing only the last reading value that was recorded within the specified date range
 - h. Toggle only Readings that qualify the Site as being "In Alarm"
 - i. Toggle only Readings which are scheduled (as opposed to manual readings, or the result of one-off commands)
 - j. Toggle Inactive Sites on/off
2. **Add Reading:** This button takes the user to the [Add Reading](#) interface which allows them to manually input Reading values to a specified Site
3. **Column Manager:** This button allows the user to select which columns are displayed by checking various column names on/off. Once applied, the selection is remembered for that user the next time they navigate to the Readings Table



The screenshot shows the 'Column Manager' interface. At the top, there is a header bar with three columns: 'Company', 'Group Name', and 'Site Name'. Below this, a dropdown menu is open, displaying a list of columns with checkboxes. The columns listed are 'Company', 'Group Name', 'Site Name', 'Status', and 'Battery Status'. The 'Company', 'Group Name', and 'Status' checkboxes are checked, while 'Site Name' and 'Battery Status' are unchecked. At the bottom of the dropdown, there are two buttons: 'RESET' and 'APPLY'.

4. **Column Filters:** Each column can be filtered based on the values within that column. Some columns which contain pre-defined text (like the Status column) have simple checkbox filters,

others which contain specific dates or values (like various Reading columns) have a series of options for constraining the range of dates/values displayed. Examples of checkbox, date range and value range column filters are shown below:



5. **Export:** The export button allows users to export the filtered data (or a subset of it) to a raw .JSON or .CSV format. There are additional options to include/exclude the hidden columns, as well as define the number of records to be exported. The export file will output based on the current browser settings. By default this is the "Downloads" folder under the user profile currently logged in to the PC.

Export Data

Export Format:

☐ JSON ☒ CSV

☒ Only Visible Columns

Records:

☒ Current Page (1 - 50)

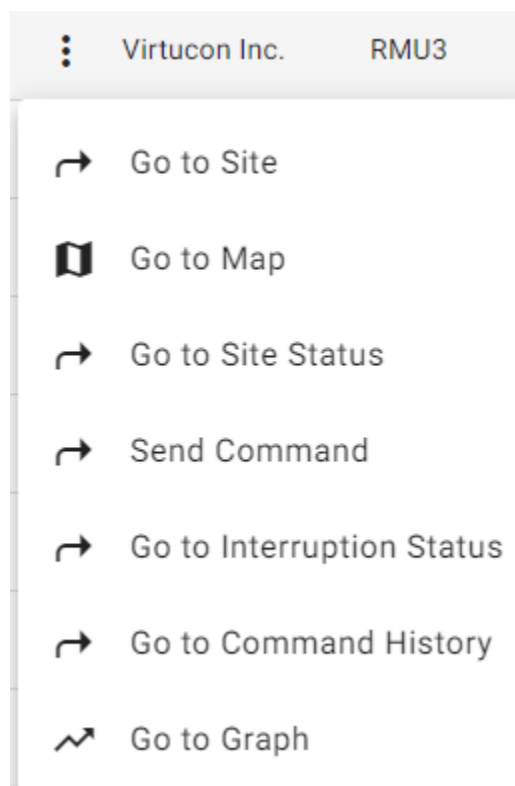
☐ All

☐ Number of Records
50

File Name
readingExport.csv

Cancel Export

6. **Text Search:** This search bar allows the user to filter the Table based on a simple text search which looks for a match of the entered text within any of the following fields:
- Company
 - Site Name
 - Group Name
 - Reading Status
7. **Epsilon Menu (Row Context Menu):** Each row item has a context menu accessible by clicking on the 3 vertical dots on the left hand side of the Table. These provide options for navigating to different pages within CorView Cloud, with a filter automatically applied to pertain to the specific row where the selection was made. The options can navigate you to the following pages:
- [Sites](#)
 - [Map](#)
 - [Site Status](#)
 - [Send Command](#)
 - [Interruption Status](#)
 - [Command History](#)
 - [Graph](#)



Additional Resources

As stated previously, this guide is meant to be an introduction to the CorView Cloud platform and not an exhaustive manual detailing all of the various functions and capabilities available within CorView.

For additional information, or help with any features not discussed here, please use the links below to access to our FAQs page, Training Videos and contact our Service Department. Thank you!

Frequently asked questions

If you're brand new to CorView Cloud, have a look at the FAQs page on our website:

<https://www.mobiltex.com/support/product-faqs/corview-cloud-faq/>

Training Videos

Be sure to check out the links below for some videos showing the latest features in CorView Cloud, as well as a recording of a full Training/Walkthrough of the platform:

- [CorView Cloud Overview](#) (April, 2023)
- [CorView Cloud Training Webinar](#) (April, 2023)

Need more help?

Contact our first class service department for help with any other questions you might have!

<https://www.mobiltex.com/contact-us/>