



REPORTING WINDOWS APPLICATION

 Windows 10

 Windows 11

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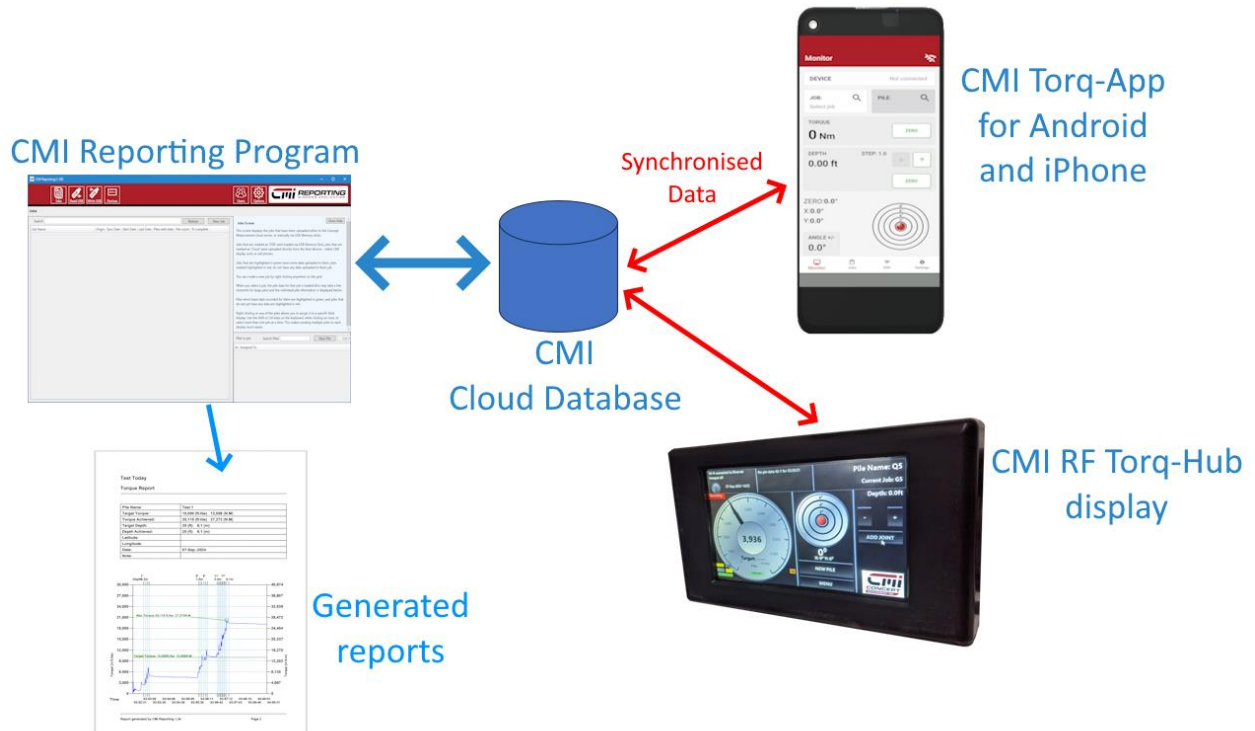
Introduction

CMI Reporting is the Concept Measurement Inc (CMI) companion software for our range of Torq-Hub and Torq-Spool torque measurement devices.

It enables users to easily backup, control and share log data from these products using a Windows PC.

CMI provides a free internet back service for all customers. This allows customers to easily backup their logged Job/Pile data up to the CMI Cloud Database (via the Internet). Once the Job/Pile data has been synchronised to the cloud, the CMI Reporting program can be used to edit that data and use it to generate PDF reports.

Because the link is two-way, CMI Reporting can also be used to create Jobs/Piles and send that header information to one or more phones or RF Display units.



Installation

The CMI Reporting app requires the following minimum specification to run:

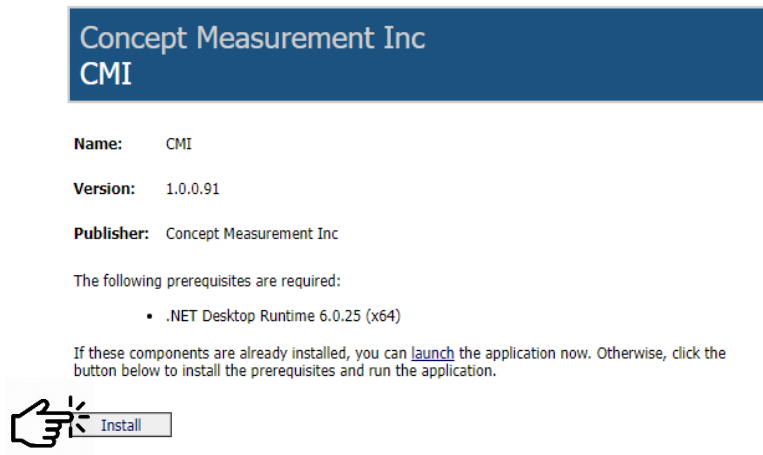
- Windows 10 or later
- At least 500 Mb free disk space
- 1280x1024 or greater resolution
- .Net Desktop Runtime 6.0.1 (x64)
- An active internet connection
- An active email address (for account verification)

Performing a new install

The program can be installed from the following address:

<https://conceptdownloads.com/cmireporting/Publish.html>

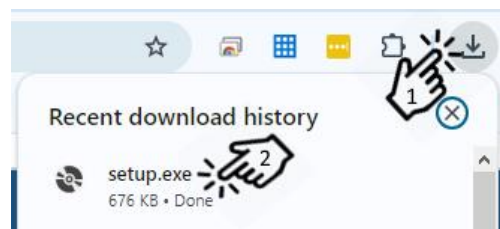
Once you click on the link, it will take you to the install page for the program.



When you have reached this page, click “Install”.

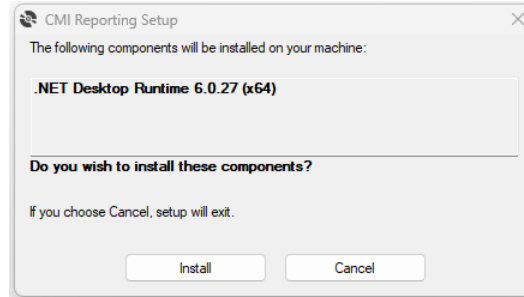
This will download the setup.exe program into your browsers download folder.

If you are using Chrome or Microsoft Edge, the downloads button is at the top right of the window. Click on the downloads icon and then click on the setup.exe file that you just downloaded.

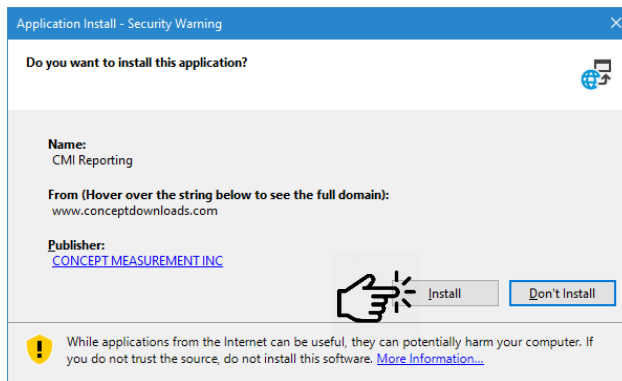




If your PC is missing any of the required Microsoft components, then a window will appear asking you to also install those programs.



The following screen should appear. Verify that the Publisher is “CONCEPT MEASUREMENT INC” and click on “Install.”



This will start the full download and installation of the program.

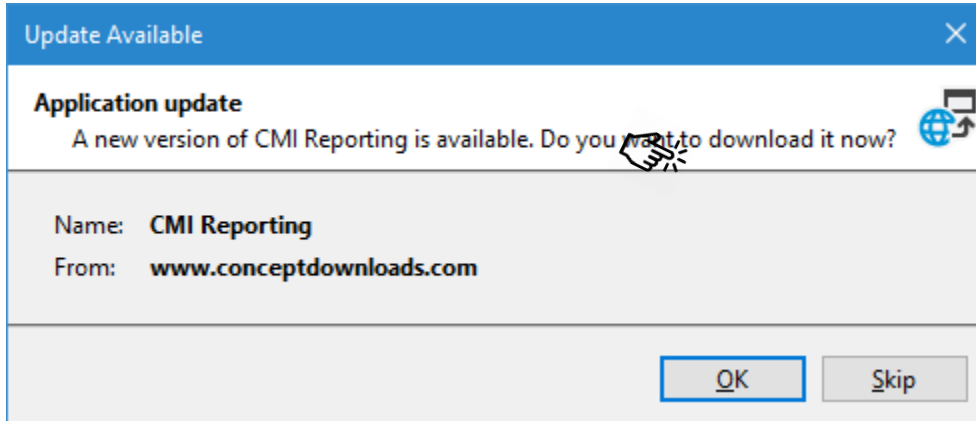
After installation, the program should start automatically.

To start the program again in the future, locate the CMI Reporting icon on your desktop, or find it in the windows menu under “Concept Measurement Inc -> CMI Reporting.”



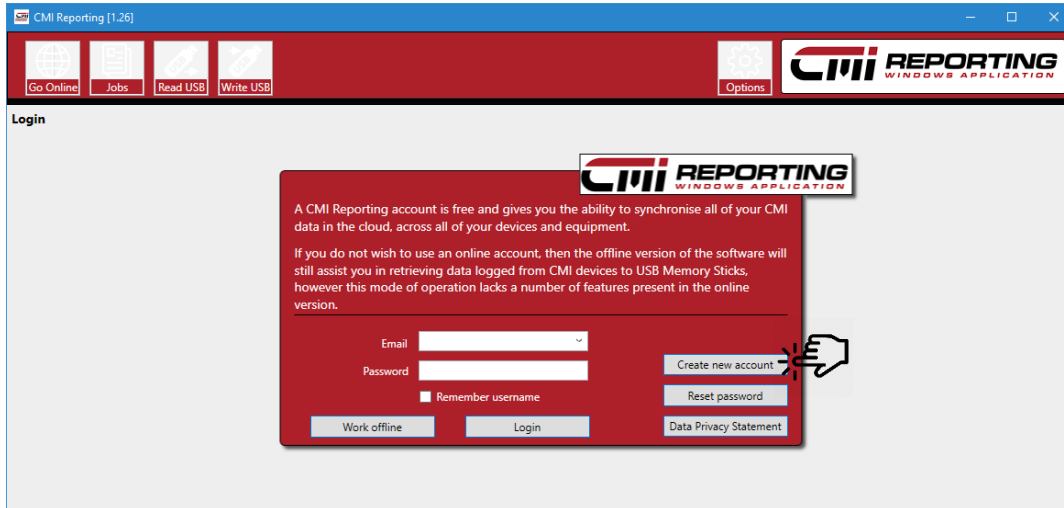
Upgrading an existing installation

If you already have CMI Reporting, then you will be given the option of installing newer versions (if they exist) when you start the program. It is highly recommended that you accept updated revisions as they may fix critical bug fixes.



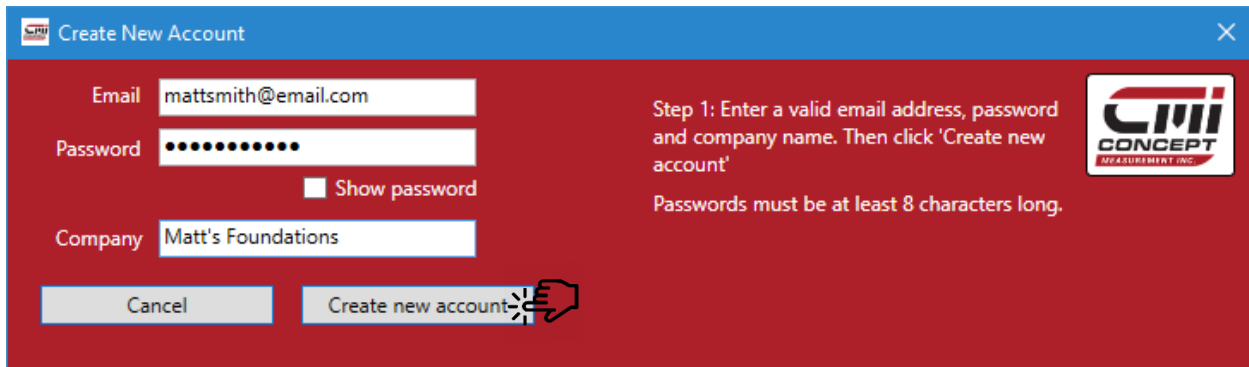
Logging in

When CMI Reporting first starts up, you will be presented with the following screen:



If your company already uses CMI Reporting, then your administrator can provide you with a username and password to login.

If you are setting up CMI Reporting for it's first use within your company, then click on "Create New Account" (above picture). Keep in mind that the first one to set up the account becomes the **ADMINISTRATOR**.



Fill in the "Create New Account" form. The password you choose must be at least 8 characters long.

A 6-character confirmation code will be sent to your email address. Type this into the confirmation window and the system will confirm that your account is valid and log you in.



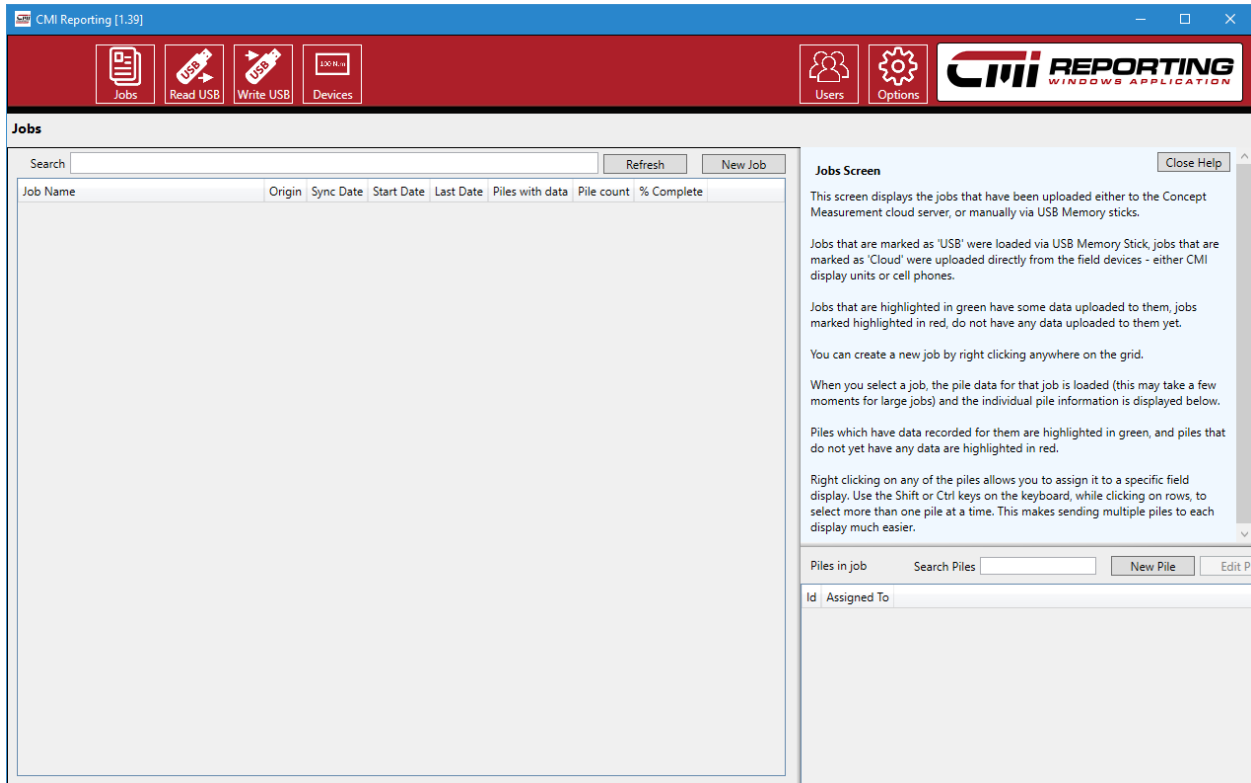
Resetting your password

If you forget your password, you can click on the “Reset password” button on the login screen and follow the steps below to reset your password.

A screenshot of a 'Reset password' dialog box. The window has a blue title bar with the text 'Reset password' and a close button. The main area has a dark red background. On the left, there is an 'Email' field containing 'mattsmith@email.com' and a 'Send reset code' button. Below that is a 'Reset code' field. On the right, there are two instructional steps: 'Step 1: Enter a valid email address, then click 'Send reset code'. An email will be sent to you with the 6 digit reset code.' and 'Step 2: Once you have the reset code, type it in here.' A 'Cancel' button is located at the bottom left. The CMI Concept Measurement Inc. logo is in the top right corner of the dialog box.

Using CMI Reporting

When you first start CMI Reporting you will see a screen similar to the one below.



The program is split into six major screens (Jobs, Read USB, Write USB, Devices, Users and Settings). These can be accessed by clicking on the corresponding icons at the top of the window.

Below is a quick summary of each screen.

Jobs – Use this screen to create and edit Jobs and their piles. This is also the screen you will use to generate PDF reports from those jobs.

Read USB – For customers who use the RF Torq-Hub display, then this screen facilitates the loading of data from the displays via USB Memory Sticks.

Write USB – For customers who use the RF Torq-Hub display, this screen writes the Job/Pile data to USB Memory Stick for the distribution to the displays. It is not used by WiFi Torq-App users (who synchronise exclusively via WiFi).

Devices – This screen is used to control the RF Displays and Phones that can synchronise with this company’s database.

Users – Create/Edit user accounts who can access this company’s data.

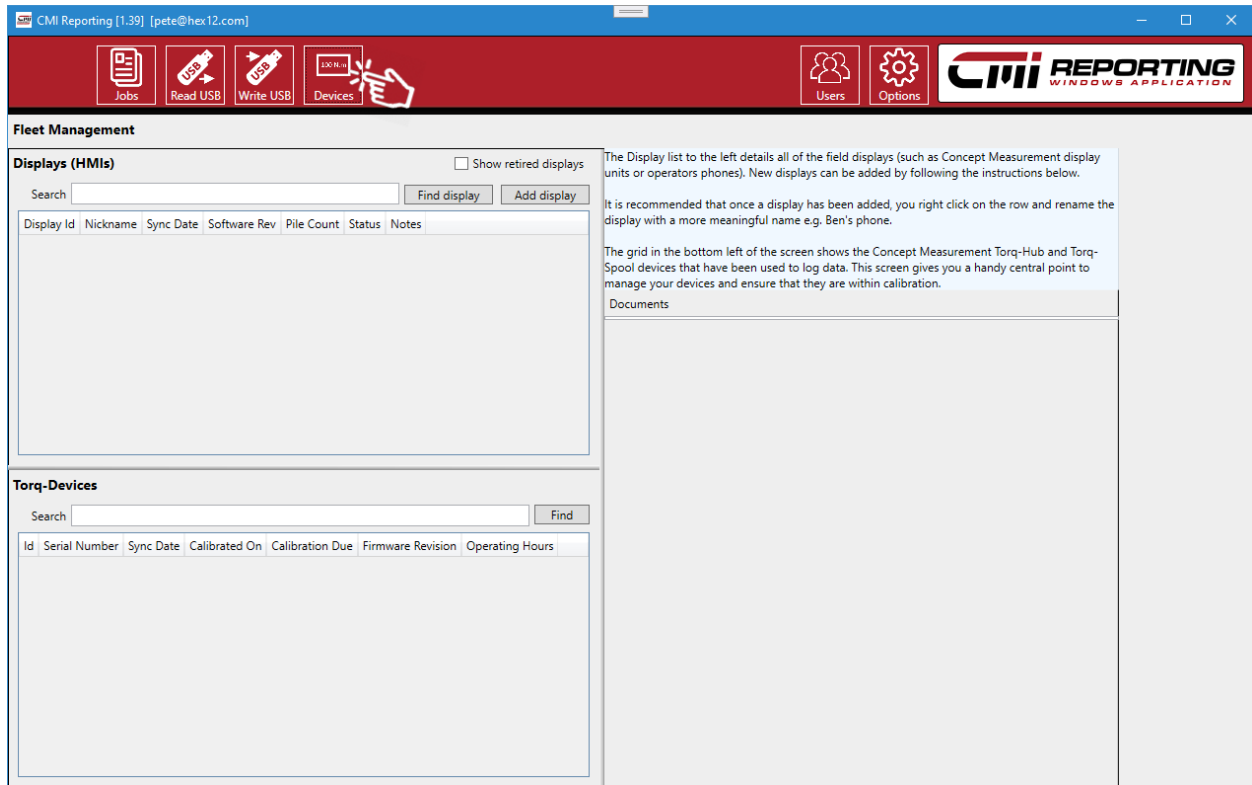
Options – Configure the settings for this installation of CMI Reporting

Getting started

CMI sells two product variations of its Torq-Hub/Spool range. One uses radio (RF) based communications and the other uses WiFi. The radio (RF) systems use dedicated display units, and the WiFi systems use phones/tablets to display/log the current torque.

Both of these types of display can connect to the CMI Cloud Database, so from now on we are just going to refer to them as Display Devices. Based on which Torq-Hub/Spool you have, this will refer to either the dedicated RF Display Unit or your phone with the Torq-App program running on it.

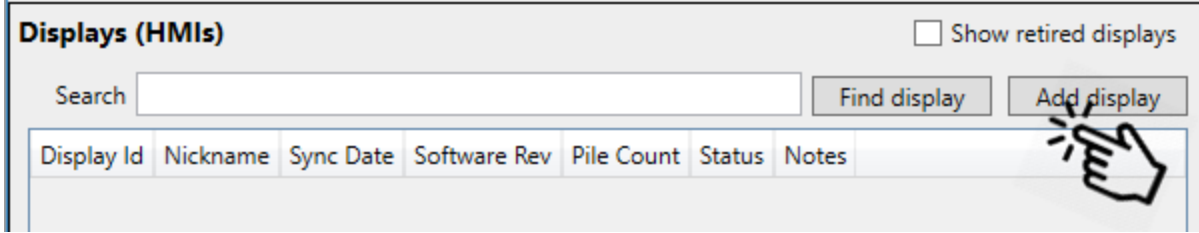
The first thing to do is connect one or more display units to your account. Click on the “Devices” button at the top of the window, and you will see a screen similar to the one below.



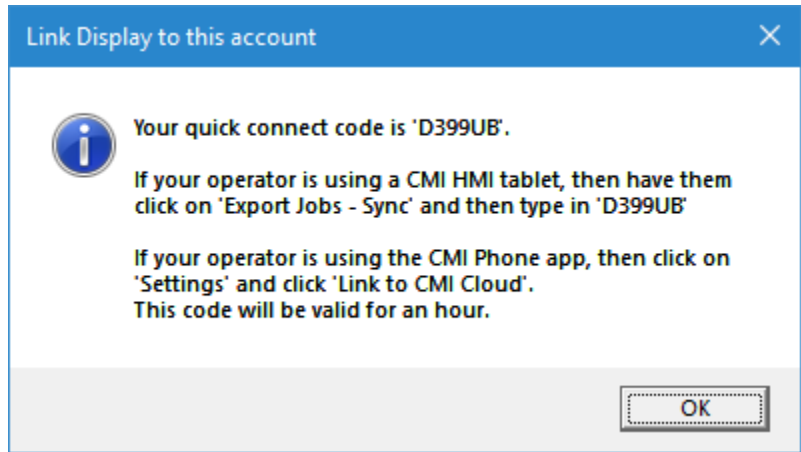
The left-hand side of the screen is split into two panels. The top panel lists all the displays (phones and RF Displays) that are linked to your company (and that can upload Job/Pile log data to your company database).

The lower panel shows the Torq-Hub and Torq-Spool devices that have been used to record log data. This is useful for keeping track of calibration certificates.

Note: Only the WiFi Torq-Hub/Spools are automatically shown here. RF Torq-Hubs can be added manually by typing in the full serial number into the Search box and clicking “Find”.



Click on the “Add display” button. This will generate a unique 6-character code (example shown below).



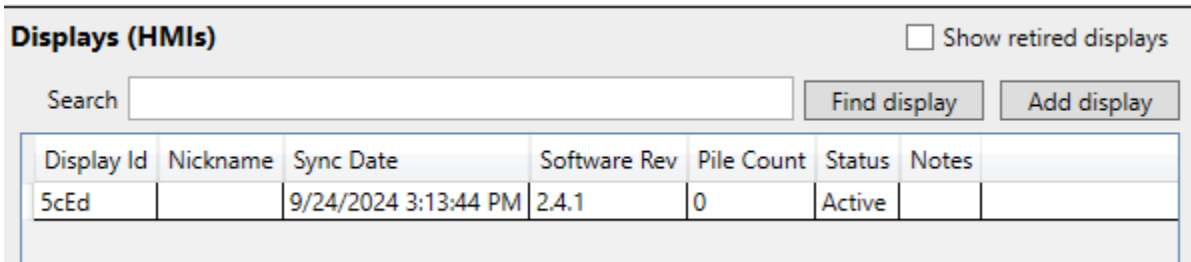
This 6-character code is entered into an operators Display Device (phone or RF Display) and links that device to your company account. The code is valid for an hour, and you can make as many codes as you want (unused ones are deleted from the database when they expire).

The steps for entering the code into each type of Display Device are described in Appendices A & B of this document.

Once the link has been made, that display will appear in the top left panel (Displays) of this page.

Note: You may have to click on the “Devices” button at the top of the screen to refresh that page and pick up any newly added displays.

For this example, we have added a phone for use with a WiFi Torq-Spool.



The phone has been assigned the Unique Id of 5cEd, but this isn’t very meaningful and will quickly become confusing with multiple Display Devices. Right click on the device and select “Edit Display” from the pop-up menu.



A window will appear that gives you the option of entering a Nickname and Notes for this Display Device. This phone belongs to one of our operators called Dave. So, we’re simply going to call it “Dave’s phone”. This will make assigning work to it easy.

Display Id	Nickname	Sync Date	Software Rev	Pile Count	Status	Notes
5cEd	Dave's phone	9/24/2024 3:13:44 PM	2.4.1	0	Active	

We have also gone ahead and added an RF Display Device. This device is permanently installed in a skid steer, so is identified with a label on it marked “RF Display 1” - so that is what we have called it in the database (see blow).

Display Id	Nickname	Sync Date	Software Rev	Pile Count	Status	Notes
5cEd	Dave's phone	9/24/2024 3:13:44 PM	2.4.1	0	Active	
xdmd	RF Display 1	9/24/2024 3:30:30 PM	3.1.57.0	0	Active	

When we come to assigning jobs, we will be able to select either display, or even send the same job to both displays.

Another useful column on this table is the Software Revision. You can see that if the revision starts with a “2.”, then it’s a phone, and if it starts with as “3.” It’s an RF Display.

CMI strongly recommends that operators use the latest revisions of the Torq-Hub/Spool software, so this is a useful screen to ensure that all operators are up to date.

GREG: Should we highlight revisions if they are old (and note that there is a newer revision)?

Once you have connected one or more Display Devices, click on the “Jobs” button at the top of the screen to open up the main Jobs Window.

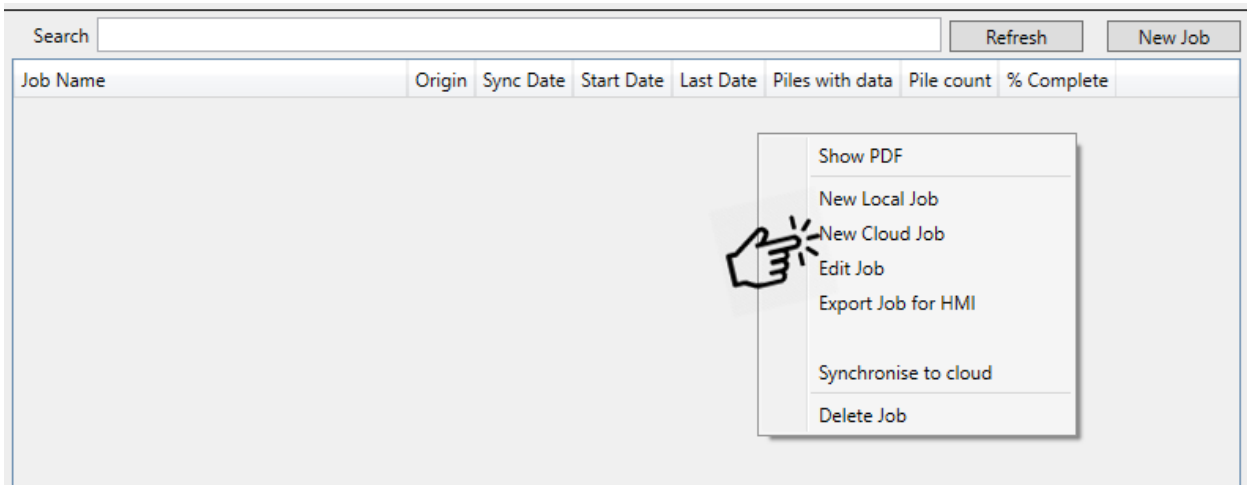


This is the main screen for the program, and probably where you will spend most of your time. You can use this screen to create Jobs and Piles. It is especially useful if you have large jobs with multiple piles, as it avoids having to do the data entry directly on the Display Device. Once Jobs and Piles have been created you can assign them to individual or multiple Display Devices and corral the returned log data in a central location for data backup and reporting.

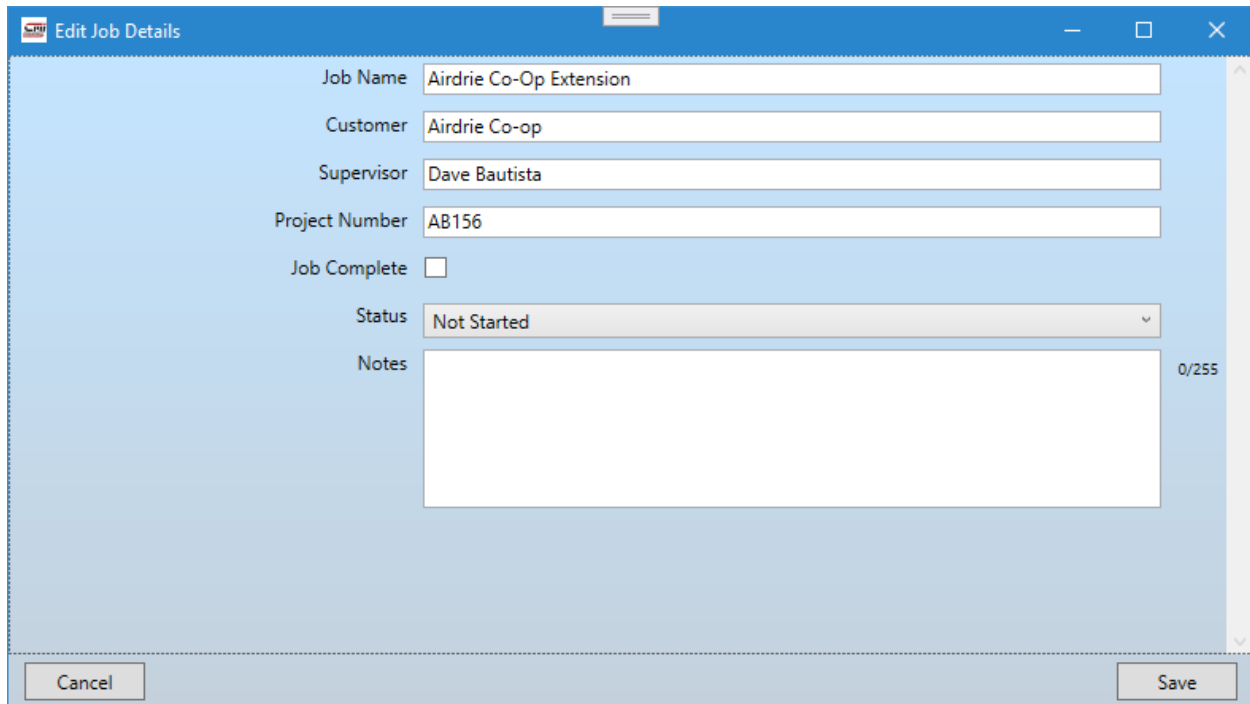
Note: If there was existing logged Job/Pile data on the display(s) that you connected earlier, then these should now also appear on the Jobs screen.

It’s worth noting that CMI Reporting also supports an older CMI standard where Jobs were transferred from the job site via USB Memory Stick. These are called “USB” jobs. These are only applicable to RF Display Devices. For the time being we are going to concentrate on “Cloud Jobs” which are applicable to both WiFi Hubs (on Phones) and RF Hubs (on RF Diaplys).

Right click on the Jobs panel and select “New Cloud Job” from the drop down menu.



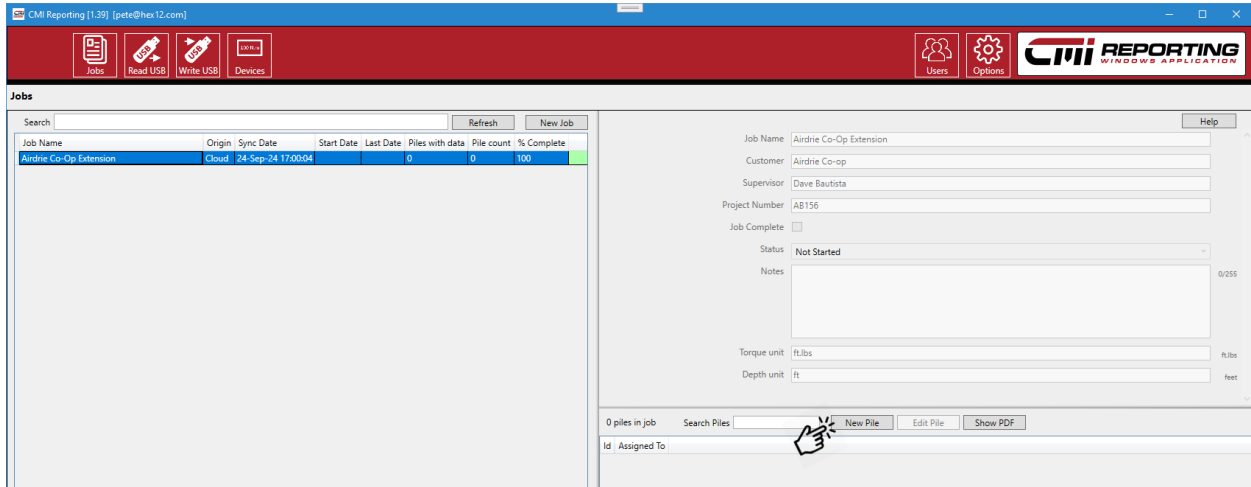
This will open up a new data entry window, where you can type in the details for the Job.



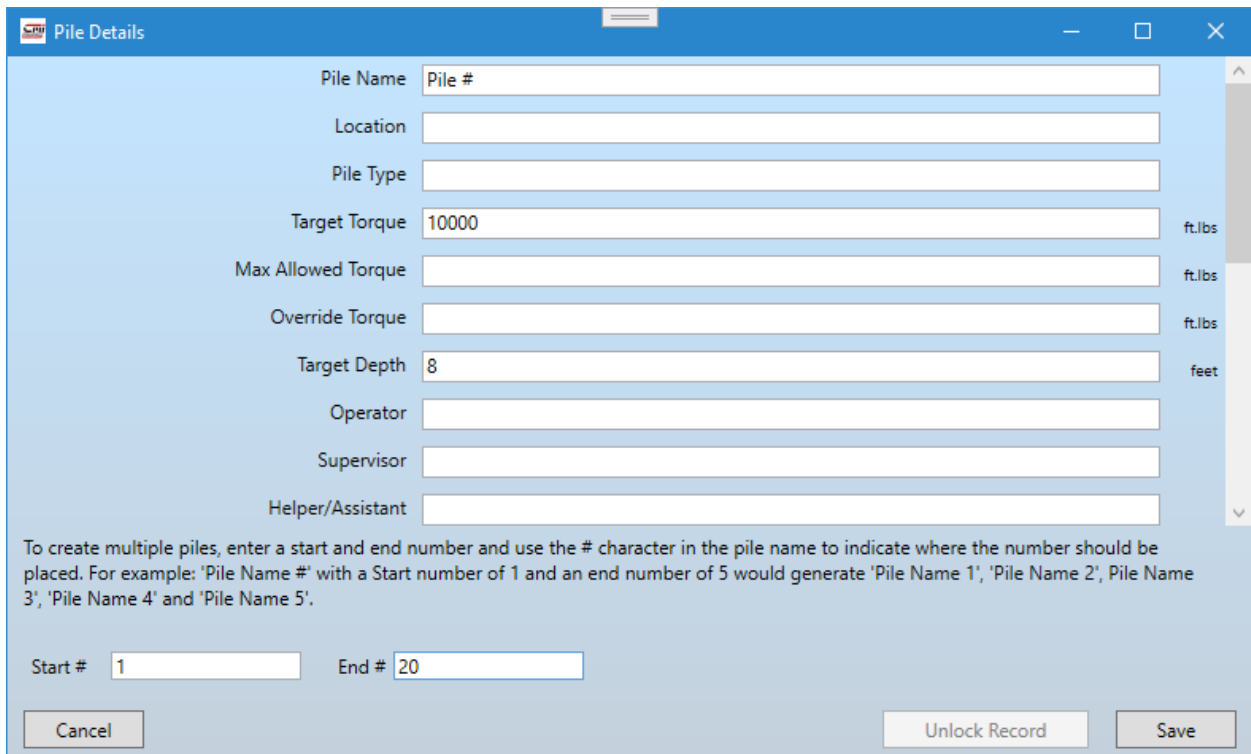
This will now appear in the Jobs list. Note that it lists “% complete” as 100%. This is simply because we haven’t entered any pile information into it yet (i.e. 0 piles completed out of a total of 0 piles).

Jobs							
Search		Refresh	New Job				
Job Name	Origin	Sync Date	Start Date	Last Date	Piles with data	Pile count	% Complete
Airdrie Co-Op Extension	Cloud	24-Sep-24 17:00:04			0	0	100

Click on the Job to select it, and then click “New Pile” in the Piles panel at the bottom right of the window.



The “New Pile” button will bring up a data entry window for the Pile. If you have multiple piles with similar information, then you can use the # symbol as part of the pile name and enter a start # and end # number to auto-populate a large range of piles. The form below will create twenty piles, names “Pile 1”, “Pile 2”, “Pile 3” up to “Pile 20”.





When you have saved this data, the new piles will be listed in the Pile Panel at the bottom right of the window. They have no data logged to them yet. If you only have one display device registered with your system, then these piles will be automatically assigned to the display. However, because we have two, we need to manually assign these piles to our displays.

0 piles in job											
Search Piles <input type="text"/>											
New Pile Edit Pile Show PDF											
Id	Assigned To	Pile Name	Depth Achieved	Torque Achieved	Target Depth	Target Torque	Location	Pile Type	Max Allowed Torque	Override Torque	
15037		Pile 1	0	0	8	10000				0	
15038		Pile 2	0	0	8	10000				0	
15039		Pile 3	0	0	8	10000				0	
15040		Pile 4	0	0	8	10000				0	
15041		Pile 5	0	0	8	10000				0	
15042		Pile 6	0	0	8	10000				0	
15043		Pile 7	0	0	8	10000				0	
15044		Pile 8	0	0	8	10000				0	
15045		Pile 9	0	0	8	10000				0	
15046		Pile 10	0	0	8	10000				0	
15047		Pile 11	0	0	8	10000				0	
15048		Pile 12	0	0	8	10000				0	
15049		Pile 13	0	0	8	10000				0	
15050		Pile 14	0	0	8	10000				0	
15051		Pile 15	0	0	8	10000				0	
15052		Pile 16	0	0	8	10000				0	

There are a number of different ways to do this. You can right click on the Job and use the “Assign to Display” menu option to assign all of the piles within the job to one or more devices.

If you want to split the piles up between devices, or even just limit the workload being sent to each operator, then you can use the Shift or Control keys on the keyboard to multi-select a subset of Piles and assign them to displays.

Note: Hold down the Control key on your keyboard and click each row to individually select or deselect them - or hold down the Shift key on your keyboard to select a block off Piles.

Note: This method can also be used to unselect/remove assigned piles from a display.

20 piles in job											
Search Piles <input type="text"/>											
New Pile Edit Pile Show PDF											
Id	Assigned To	Pile Name	Depth Achieved	Torque Achieved	Target Depth	Target Torque	Loc				
15037	RF Display 1	Pile 1	0	0	8	10000					
15038	RF Display 1	Pile 2	0	0	8	10000					
15039	RF Display 1	Pile 3	0	0	8	10000					
15040	RF Display 1	Pile 4	0	0	8	10000					
15041	RF Display 1	Pile 5	0	0	8	10000					
15042	RF Display 1	Pile 6	0	0	8	10000					
15043	RF Display 1	Pile 7	0	0	8	10000					
15044		Pile 8	0	0	8	10000					
15045		Pile 9	0	0	8	10000					
15046			0	0	8	10000					
15047			0	0	8	10000					
15048			0	0	8	10000					
15049			0	0	8	10000					
15050			0	0	8	10000					
15051			0	0	8	10000					
15052			0	0	8	10000					
15053		Pile 17	0	0	8	10000					
15054		Pile 18	0	0	8	10000					

Show PDF

Add New Pile

Edit Pile

Show History

Edit History

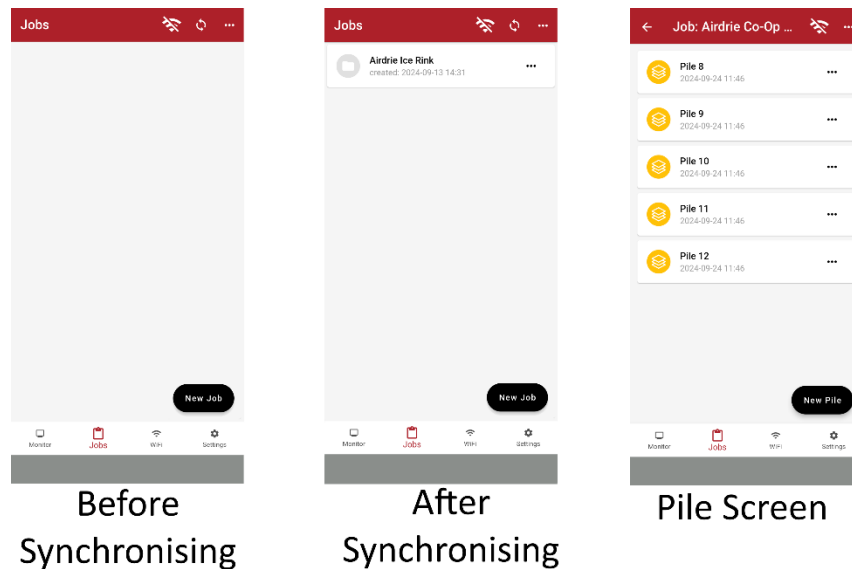
Assign To Display

- Dave's phone
- RF Display 1

Now that we have the following piles assigned to a display, the next time Dave synchronises his phone with the Cloud Database, it will upload any new pile logs, and also download this new Job.

15042	RF Display 1	Pile 0	0	0	8	10000
15043	RF Display 1	Pile 7	0	0	8	10000
15044	Dave's phone	Pile 8	0	0	8	10000
15045	Dave's phone	Pile 9	0	0	8	10000
15046	Dave's phone	Pile 10	0	0	8	10000
15047	Dave's phone	Pile 11	0	0	8	10000
15048	Dave's phone	Pile 12	0	0	8	10000
15049		Pile 13	0	0	8	10000

If we look at Dave’s phone, before synchronisation there are no jobs available to him. After he synchronises, he has the new job, and if he drills down into it, he has the specific piles that we assigned to him from CMI Reporting.



We’re now going to log some data to those Piles on Dave’s phone and synchronise them back up to the Cloud Database.

Note: There is an option to use “Demo Data” under the settings menu of the phone app (Torq-App), and you can use this to test the system out yourself.

Having logged our test data, returning to CMI Reporting, you can now see that the data we logged for piles 8 & 9 has been uploaded.

Jobs							
Search <input type="text"/>						Refresh	New Job
Job Name	Origin	Sync Date	Start Date	Last Date	Piles with data	Pile count	% Complete
Airdrie Co-Op Extension	Cloud	24-Sep-24 19:05:59	24-Sep-24 12:48:48	24-Sep-24 12:59:37	2	20	10

The job is listed as 10% complete (because 2 of the 20 piles now have data). This isn’t a completely accurate picture as larger piles may require to be extended or piles might need re-torquing, but over-all it gives a rough indicator of the progress – especially on larger jobs with thousands of piles).

When you select the job (by clicking on it), you will see that the piles with data are now highlighted in green, because they have achieved the torque and depth required of them.

20 piles in job										
Search Piles <input type="text"/>										
<input type="button" value="New Pile"/> <input type="button" value="Edit Pile"/> <input type="button" value="Show PDF"/>										
Id	Assigned To	Pile Name	Depth Achieved	Torque Achieved	Target Depth	Target Torque	Location	Pile Type	Max Allowed Torque	Override
15037	RF Display 1	Pile 1	0	0	8	10000				0
15038	RF Display 1	Pile 2	0	0	8	10000				0
15039	RF Display 1	Pile 3	0	0	8	10000				0
15040	RF Display 1	Pile 4	0	0	8	10000				0
15041	RF Display 1	Pile 5	0	0	8	10000				0
15042	RF Display 1	Pile 6	0	0	8	10000				0
15043	RF Display 1	Pile 7	0	0	8	10000				0
15044	Dave's phone	Pile 8	8	24075	8	13558				0.00
15045	Dave's phone	Pile 9	8	98100	8	13558				0.00
15046	Dave's phone	Pile 10	0	0	8	10000				0
15047	Dave's phone	Pile 11	0	0	8	10000				0

If a Pile has no data recorded next to it, then it is displayed in grey. A pile that has data, but that did not achieve target torque or target depth is highlighted in red. See examples below.

Id	Assigned To	Pile Name	Depth Achieved	Torque Achieved	Target Depth	Target Torque
15043	RF Display 1, Dave's phone	Pile 7	0	0	8	10000
15044	Dave's phone	Pile 8	8	24075	8	30000
15045	Dave's phone	Pile 9	8	98100	8	13558
15046	Dave's phone	Pile 10	0	0	8	10000

Double clicking on any of these piles will pull up a quick report, showing the basic details and a graph of the log data.

At any time, you can generate a full report for the job by right clicking on the job and selecting one of the following report formats.

Jobs

Job Name	Origin	Sync Date	Start Date	Last Date	Piles with data	Pile count	% Complete
Airdrie Co-Op Extension	Cloud					20	10

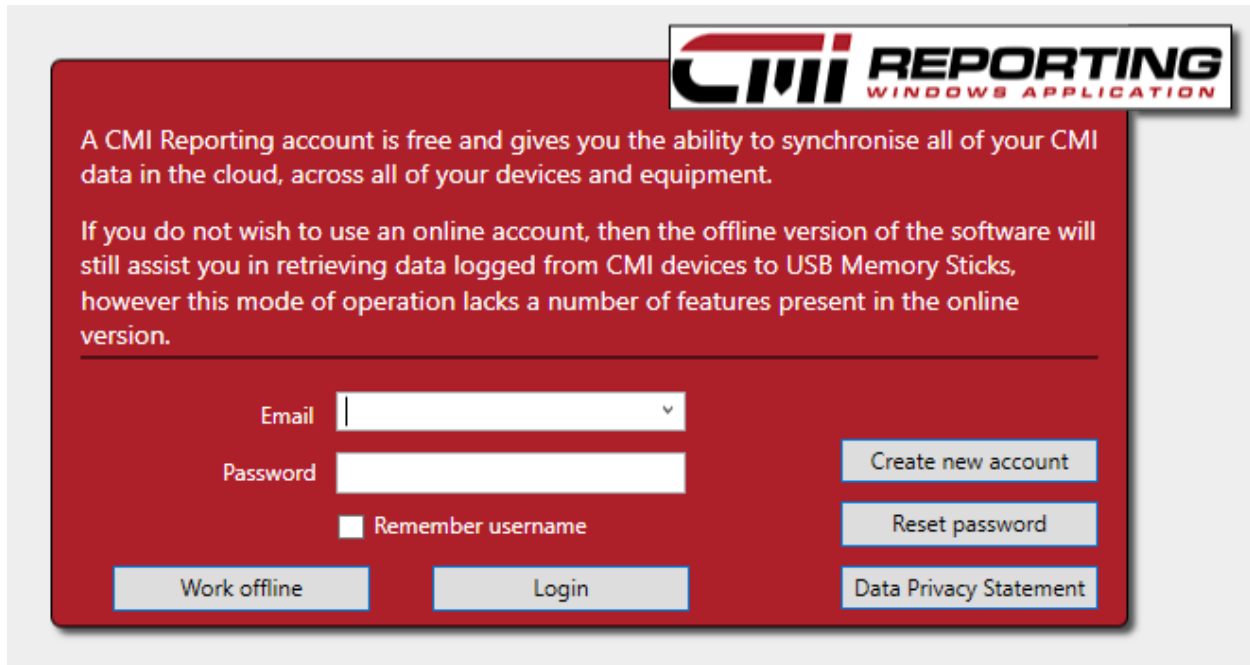
- Show PDF
- New Local Job
- New Cloud Job
- Edit Job
- Assign To Display
- Delete Job

- Short Report
- Full Report
- Executive Summary

- Short Report – This is a simplified report. It matches the data set for the RF Display, so is usually used with data sent from the RF Display units.
- Full Report – This is a more detailed report. It matches the data set for the Torq Phone App Displays, so is usually used with data sent from the WiFi Display Units.
- Executive Summary – This is a very short report used to summarise all of the piles in the job.

That covers the basics of operating CMI Reporting. This manual will now go into more depth on each of the screens and cover some more advanced features.

Login window (working offline)



We covered logging in and creating a new account earlier in this document, however there is another feature on the login screen we need to cover, working offline. This feature is available for RF Display users who are unable to connect to the internet. It provides limited access to generating and reporting USB distributed jobs/piles. It cannot be used to work with WiFi/Cloud based jobs, as these require access to the Cloud Database.

Jobs Screen

Backing up your data

There are three types of Jobs within CMI Reporting.

- **Cloud:** These jobs are distributed via the internet and are stored securely in the CMI Cloud Database. These jobs can be used on both RF Displays and the Torq-App Phone Displays.
- **USB:** These jobs are distributed via USB memory stick and are only used by RF Displays. They are stored locally on the PC's hard drive and are not backed up and will not appear on any other installations of CMI Reporting within the company.
- **USB/Cloud:** These jobs start out as USB jobs, and are exclusively for the RF Display units, however they are also securely backed up to the CMI Cloud Database and can be downloaded onto other company PCs using CMI Reporting.

Jobs

Search Refresh New Job

Job Name	Origin	Sync Date	Start Date	Last Date	Piles with data	Pile count
Airdrie Co-Op Extension	Cloud	24-Sep-24 19:05:59	24-Sep-24 12:48:48	24-Sep-24 12:59:37	2	20
Offline job	USB	01-Jan-00 00:00:00			0	1
Hybrid Job	USB				0	0

Show PDF ▶
 New USB Job
 New Cloud Job
 Edit Job
 Export Job for HMI
Synchronise to cloud
 Delete Job

If you look at the jobs screen above, you can see that we have create two USB only jobs. We did this by right clicking on the jobs grid and selecting “New USB job” from the drop-down menu. To make the USB job into a USB/Cloud job, then we click on it and select “Synchronise to cloud”.

After a few seconds, the Origin of the job will change to USB/Cloud.

Offline job	USB	c
Hybrid Job	USB/Cloud	

Once a job has been converted to USB/Cloud, it will automatically synchronise to the cloud every time new data is loaded from USB. You do not need to click “Synchronise to cloud” again (for this job).

Furthermore, if you install CMI Reporting on another computer and anyone from your company logs in, then the Cloud and USB/Cloud jobs will automatically appear on that computer.

This provides an easy-to-use method of ensuring your corporate data is safe.

Important: USB only jobs are not backed up to the CMI Cloud Database, it is up to you to organise your own backup method for this data. By default, the local data is stored in C:\CMI Reporting\LocalDatabase (although this can be changed in the options screen).

Generating PDF Reports

Job Name	Origin	Sync Date	Start Date	Last Date	Piles with data	Pile co
Airdrie Co-Op Extension	Cloud	24-Sep-24 19:05:59	24-Sep-24 12:48:48	24-Sep-24 12:59:37	2	20
Offline job	USB	01-Jan-00 00:00:00			0	1
Hybrid Job	USB/Cloud				0	0

Show PDF	Short Report
New Local Job	Full Report
New Cloud Job	Executive Summary
Edit Job	
Export Job for HMI	
Synchronise to cloud	
Delete Job	

By default, CMI Reporting has three different report types, but more might be added in the future.

The Short Report (shown below) is a simplified report that matches the data set for the RF Display, so is usually used with data sent from the RF Display units.

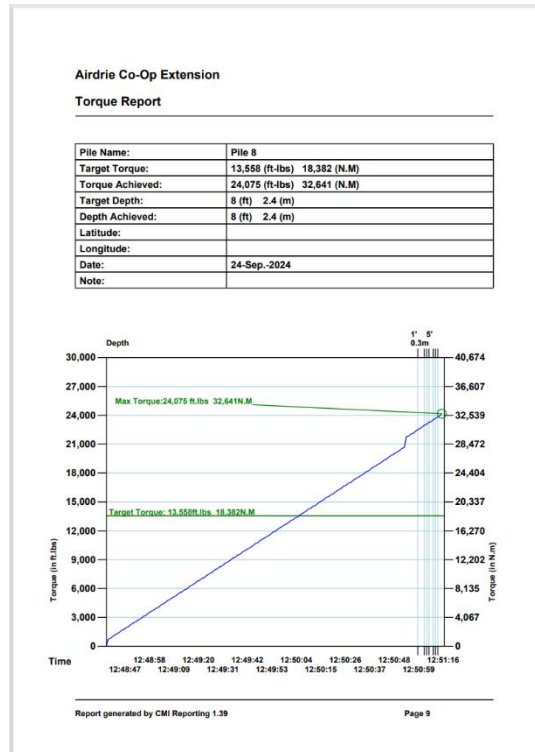
Note: This report includes all piles, even ones that do not have any data logged against them.

Airdrie Co-Op Extension
Torque Report

Job: Airdrie Co-Op Extension

This report covers the following piles

Pile	Date	Target	Achieved	Page
Pile 1		10,000lb.ft		
Pile 2		10,000lb.ft		
Pile 3		10,000lb.ft		
Pile 4		10,000lb.ft		
Pile 5		10,000lb.ft		
Pile 6		10,000lb.ft		
Pile 7		10,000lb.ft		
Pile 8	24-Sep.-2024	13,558lb.ft	178%	9
Pile 9	24-Sep.-2024	13,558lb.ft	724%	10
Pile 10		10,000lb.ft		
Pile 11		10,000lb.ft		
Pile 12		10,000lb.ft		
Pile 13		10,000lb.ft		
Pile 14		10,000lb.ft		
Pile 15		10,000lb.ft		
Pile 16		10,000lb.ft		
Pile 17		10,000lb.ft		
Pile 18		10,000lb.ft		
Pile 19		10,000lb.ft		
Pile 20		10,000lb.ft		





The Full Report is a more detailed report which matches the data set for the Torq Phone App Displays, so is usually used with data sent from the WiFi Display Units. Because of the extra data, most piles with data take up 2 or more pages (for each pile).

Note: This report includes all piles, even ones that do not have any data logged against them.

Airdrie Co-Op Extension

Torque Report

Download <https://cmibibbs.blob.core.windows.net/reports/U7XW6D8TW/>

Job: Airdrie Co-Op Extension Status: Not Set

Customer: Airdrie Co-op Supervisor: Dave Baudata

Notes:

This report covers the following piles

Pile	Date	Torque Achieved
Pile 1		0 ft.lbs
Pile 2		0 ft.lbs
Pile 3		0 ft.lbs
Pile 4		0 ft.lbs
Pile 5		0 ft.lbs
Pile 6		0 ft.lbs
Pile 7		0 ft.lbs
Pile 8	24-Sep-2024 12:48:48	24,075 ft.lbs
Pile 9	24-Sep-2024 12:51:34	98,100 ft.lbs
Pile 10		0 ft.lbs
Pile 11		0 ft.lbs
Pile 12		0 ft.lbs
Pile 13		0 ft.lbs
Pile 14		0 ft.lbs
Pile 15		0 ft.lbs
Pile 16		0 ft.lbs
Pile 17		0 ft.lbs
Pile 18		0 ft.lbs
Pile 19		0 ft.lbs
Pile 20		0 ft.lbs

Airdrie Co-Op Extension

Torque Report

Job Name	Airdrie Co-Op Extension	Pile Name	PI
Target Torque	13,558 ft.lbs	Torque Achieved	24
Target Depth	8.00 ft	Depth Achieved	8.1
Pile Slickout		Batter Angle N/S	Bt
Operator		Supervisor	Dv
Start date	24-Sep-2024 12:48:48	End date	

Notes:

Data file: <https://cmibibbs.blob.core.windows.net/reports/JCCX>

Extensions

Graphs on next page...

Report auto-generated by CMI Reporting tool on 25-Sep-2024 rev 1

Airdrie Co-Op Extension

Torque Report

Torque and Depth

Legend: Depth (ft) — Torque (ft.lbs)

RPM

Legend: RPM

Report auto-generated by CMI Reporting tool on 25-Sep-2024 rev 1.39 www.concept-cmi.com Page 9

To personalise the Logo on this report, copy your square logo image (recommended 600x600 pixels) to C:\CMI Reporting\Report Templates\PDFLogo.png.

The Executive Summary is a very short report used to summarise all of the piles in the job.

Executive Summary

Job Name	Airdrie Co-Op Extension
Customer	Airdrie Co-op

Pile Number	Torq Req'd	Torque Achieved	Depth Required	Depth Achieved
Pile 1	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 2	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 3	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 4	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 5	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 6	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 7	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 8	13,558 ft.lbs	24,075 ft.lbs	8.00 ft	8.00 ft
Pile 9	13,558 ft.lbs	98,100 ft.lbs	8.00 ft	8.00 ft
Pile 10	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 11	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 12	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 13	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 14	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 15	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 16	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 17	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 18	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 19	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft
Pile 20	10,000 ft.lbs	0 ft.lbs	8.00 ft	0.00 ft

All of the reports can also be generated from the Piles grid, and using multiselect (holding down ctrl or shift on the keyboard) can be made to generate just the selected piles.

Assigning Job to Displays

The screenshot shows the 'Jobs' management interface. A table lists jobs with columns for Job Name, Origin, Sync Date, Start Date, Last Date, Piles with data, and Pile count. A context menu is open over the 'Airdrie Co-Op Extension' job, showing options like 'Show PDF', 'New Local Job', 'New Cloud Job', 'Edit Job', 'Assign To Display', and 'Delete Job'. The 'Assign To Display' option is selected, opening a sub-menu with 'Dave's phone' and 'RF Display 1' as options. A hand cursor icon points to 'RF Display 1'.

Cloud jobs can be assigned to one or more Displays by right clicking on the Job, selecting “Assign to Display” and then selecting the display.

Multi select (holding down ctrl or shift on the keyboard) can be used to assign multiple jobs at once.

Note: Assign to Display only works for Cloud jobs, so if you multiselect a group of Jobs and one or more of them is of type USB, then “Assign to Display” will not be available.

Nothing more needs to be done. When the selected users next synchronise, those Jobs will be downloaded to their displays.

Remember you can always check that the job has been assigned by looking in the Pile Grid (it will show which Displays the Piles are assigned to).

20 piles in job		Search Piles <input type="text"/>		
Id	Assigned To	Pile Name	Depth Achieved	Torq
15037	RF Display 1	Pile 1	0	0
15038	RF Display 1	Pile 2	0	0
15039	RF Display 1	Pile 3	0	0
15040	RF Display 1	Pile 4	0	0

Export Job for HMI

Job Name	Origin	Sync Date	Start Date	Last Date	Piles with data	Pile cou
Airdrie Co-Op Extension	Cloud	24-Sep-24 19:05:59	24-Sep-24 12:48:48	24-Sep-24 12:59:37	2	20
Hybrid Job	USB/Cloud				0	0
Offline job	USB	01-Jan-00 00:00:00			0	1

USB and USB/Cloud jobs can be loaded onto a USB Memory stick. This USB Memory stick can be plugged into RF Displays, and the job data uploaded to the display.

Selecting the “Export Job for HMI” will take you to the “Write USB” screen (described later). From that screen, you can select the drive letter (USB Memory stick) to write the Job data out to.

Editing Pile Header

20 piles in job Search Piles

Id	Assigned To	Pile Name	Depth Achieved	Torque Achieved	Target Depth	Target Torque	Location	Pile Type	Max Allowed Torque
15044	Dave's phone	Pile 8	8	24075	8	13558			
15045	Dave's phone	Pile 9			8	13558			
15046	Dave's phone	Pile 10			8	10000			
15047	Dave's phone	Pile 11			8	10000			
15048	Dave's phone	Pile 12			8	10000			
15049	Dave's phone	Pile 13			8	10000			

You can edit the pile header information for any pile by right clicking on the pile and selecting “Edit Pile”. This opens a new window where the Pile Header fields can all be edited.

If the text fields are disabled (i.e. you cannot type anything into them), this probably means that the pile has been “locked”. This happens when the system starts receiving log data for the pile. In order to prevent data being overwritten, once the system starts receiving log data from the field (for a Pile), then CMI Reporting is prevented from editing those fields.

When you are happy that there are no more updates coming from the field, you can click the “Unlock Record” button to take control of the record back in CMI Reporting (and you can now edit the fields again).

Batter Angle N/S


Batter Angle E/W

Tolerance Angle

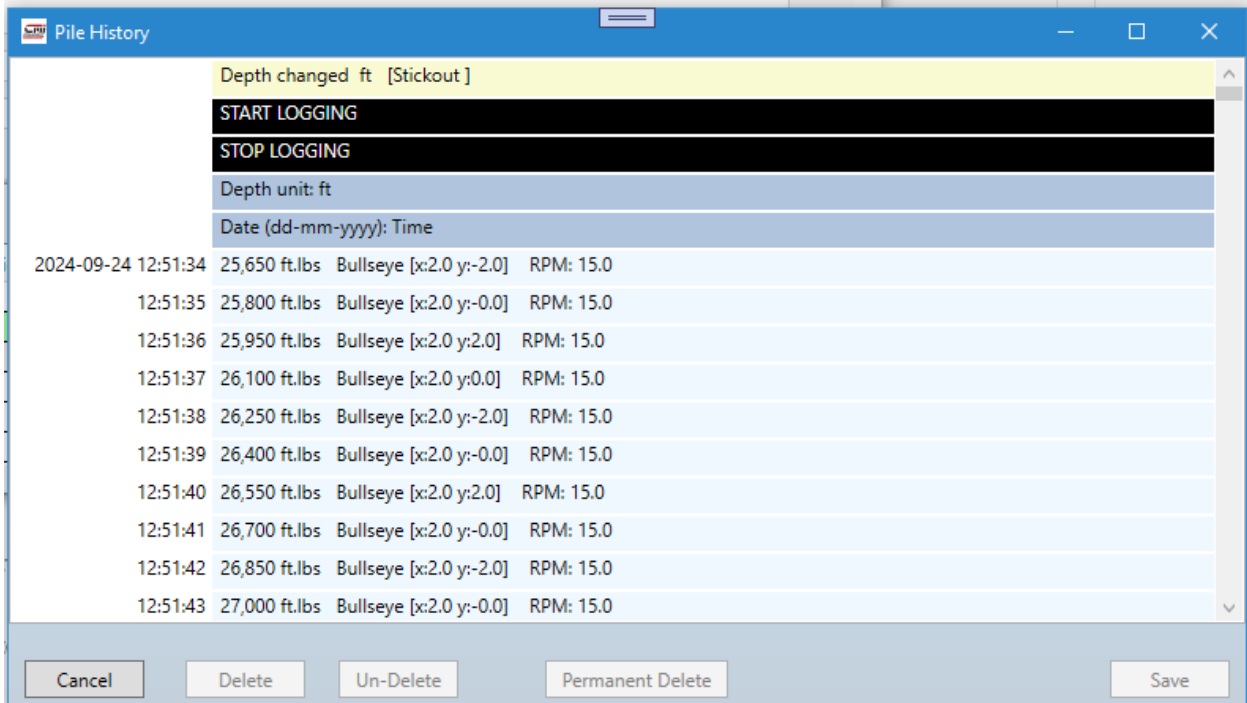
Pile Stickout

enter a start and end number and use the # character in the pile name to indicate where the number should be
 e Name #’ with a Start number of 1 and an end number of 5 would generate ‘Pile Name 1’, ‘Pile Name 2’, Pile Name
 e Name 5’.

End #



Show Pile History



Depth changed ft [Stickout]				
START LOGGING				
STOP LOGGING				
Depth unit: ft				
Date (dd-mm-yyyy): Time				
2024-09-24	12:51:34	25,650 ft.lbs	Bullseye [x:2.0 y:-2.0]	RPM: 15.0
	12:51:35	25,800 ft.lbs	Bullseye [x:2.0 y:-0.0]	RPM: 15.0
	12:51:36	25,950 ft.lbs	Bullseye [x:2.0 y:2.0]	RPM: 15.0
	12:51:37	26,100 ft.lbs	Bullseye [x:2.0 y:0.0]	RPM: 15.0
	12:51:38	26,250 ft.lbs	Bullseye [x:2.0 y:-2.0]	RPM: 15.0
	12:51:39	26,400 ft.lbs	Bullseye [x:2.0 y:-0.0]	RPM: 15.0
	12:51:40	26,550 ft.lbs	Bullseye [x:2.0 y:2.0]	RPM: 15.0
	12:51:41	26,700 ft.lbs	Bullseye [x:2.0 y:-0.0]	RPM: 15.0
	12:51:42	26,850 ft.lbs	Bullseye [x:2.0 y:-2.0]	RPM: 15.0
	12:51:43	27,000 ft.lbs	Bullseye [x:2.0 y:-0.0]	RPM: 15.0

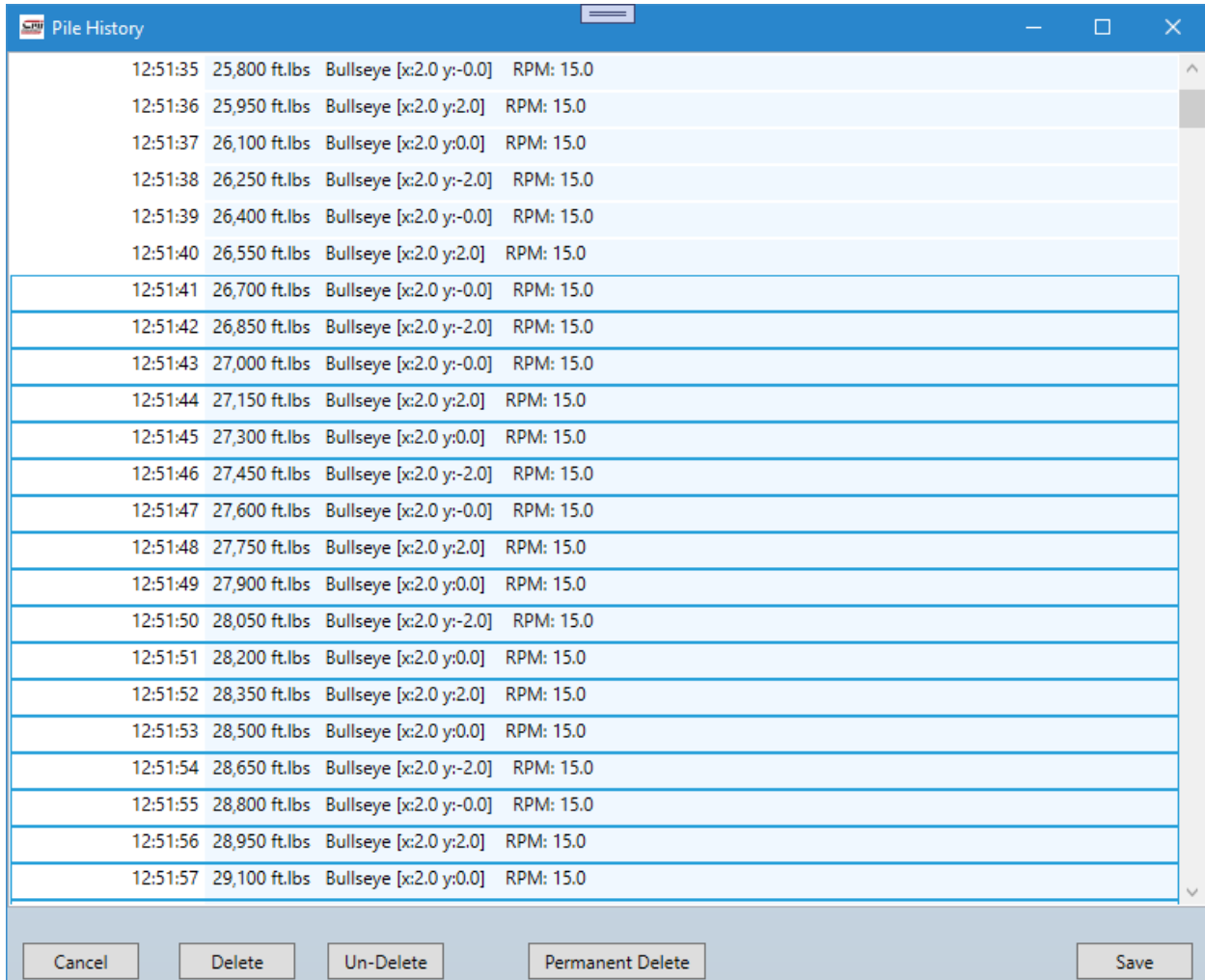
Buttons: Cancel, Delete, Un-Delete, Permanent Delete, Save

By clicking on “Show Pile History” on a Pile Record, you can display a new window with every data line item logged to the Pile.

Edit Pile History

There are situations where spurious or incorrect data is accidentally logged to a Pile. This can disrupt the graphs and in more severe cases might be an inaccurate representation of the torque measured. CMI Reporting gives you the option of selectively removing data points from the Pile Log.

To delete data points, click on the first point to delete, scroll down to the end of the section you wish to delete, and holding down the shift key on the keyboard click the last point. This will highlight the rows like below:



Time	Torque (ft.lbs)	Location	RPM
12:51:35	25,800	Bullseye [x:2.0 y:-0.0]	15.0
12:51:36	25,950	Bullseye [x:2.0 y:2.0]	15.0
12:51:37	26,100	Bullseye [x:2.0 y:0.0]	15.0
12:51:38	26,250	Bullseye [x:2.0 y:-2.0]	15.0
12:51:39	26,400	Bullseye [x:2.0 y:-0.0]	15.0
12:51:40	26,550	Bullseye [x:2.0 y:2.0]	15.0
12:51:41	26,700	Bullseye [x:2.0 y:-0.0]	15.0
12:51:42	26,850	Bullseye [x:2.0 y:-2.0]	15.0
12:51:43	27,000	Bullseye [x:2.0 y:-0.0]	15.0
12:51:44	27,150	Bullseye [x:2.0 y:2.0]	15.0
12:51:45	27,300	Bullseye [x:2.0 y:0.0]	15.0
12:51:46	27,450	Bullseye [x:2.0 y:-2.0]	15.0
12:51:47	27,600	Bullseye [x:2.0 y:-0.0]	15.0
12:51:48	27,750	Bullseye [x:2.0 y:2.0]	15.0
12:51:49	27,900	Bullseye [x:2.0 y:0.0]	15.0
12:51:50	28,050	Bullseye [x:2.0 y:-2.0]	15.0
12:51:51	28,200	Bullseye [x:2.0 y:0.0]	15.0
12:51:52	28,350	Bullseye [x:2.0 y:2.0]	15.0
12:51:53	28,500	Bullseye [x:2.0 y:0.0]	15.0
12:51:54	28,650	Bullseye [x:2.0 y:-2.0]	15.0
12:51:55	28,800	Bullseye [x:2.0 y:-0.0]	15.0
12:51:56	28,950	Bullseye [x:2.0 y:2.0]	15.0
12:51:57	29,100	Bullseye [x:2.0 y:0.0]	15.0

Buttons: Cancel, Delete, Un-Delete, Permanent Delete, Save

Now click either “Delete” or “Permanent Delete” and the data points will be removed from all future graphs for this Pile.

The difference between the two delete’s is that with “Delete” you can use the “Un-Delete” button to restore data, and with “Permanent Delete” the data is deleted for good. Permanent Delete can only be used on Cloud jobs – it cannot be used on USB or USB/Cloud jobs.

Deleted data is only deleted on your computer – i.e. a user on a different computer will still have those data points on their graphs. Permanently deleted points are deleted for all users.

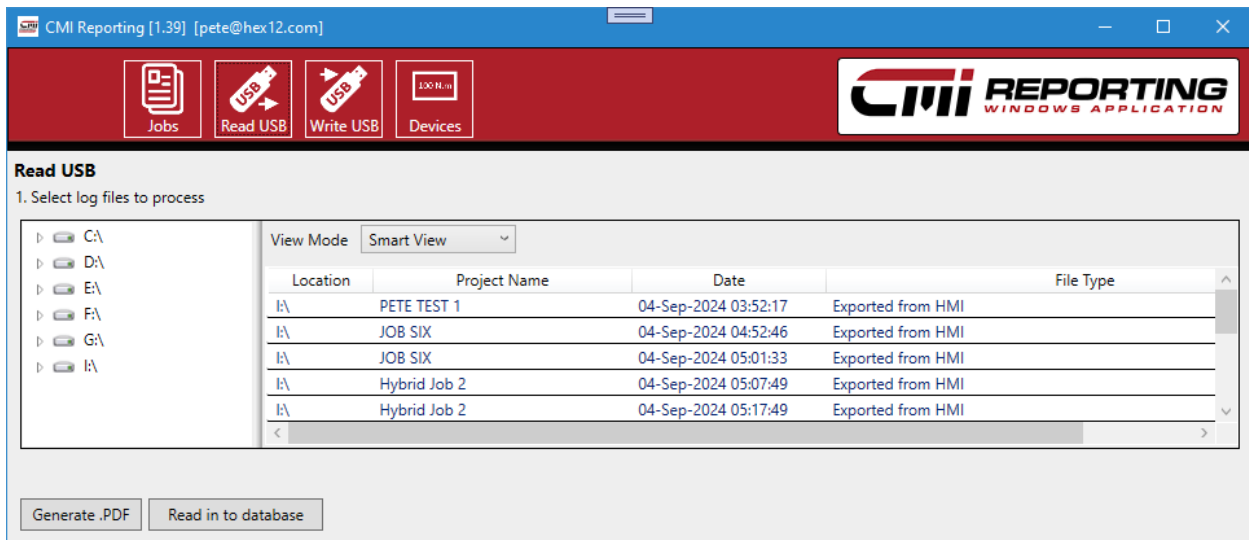
Read USB Screen

This screen is only applicable if your company uses the RF Displays. If you exclusively use the WiFi Tor-Hubs and Torq-Spools, then you do not need to use this screen.

For companies that distribute their Job/Pile data on USB memory stick, this screen reads in the data from a memory stick and merges it with the existing Job data.

Data is exported from the RF Display and copied onto the USB memory stick. Insert the USB memory stick into your PC. If you have CMI Reporting open it will automatically identify the newly inserted USB stick and display the jobs available on.

If the USB memory stick is not automatically identified, then use the left-hand panel to navigate to the drive letter of the USB memory stick.

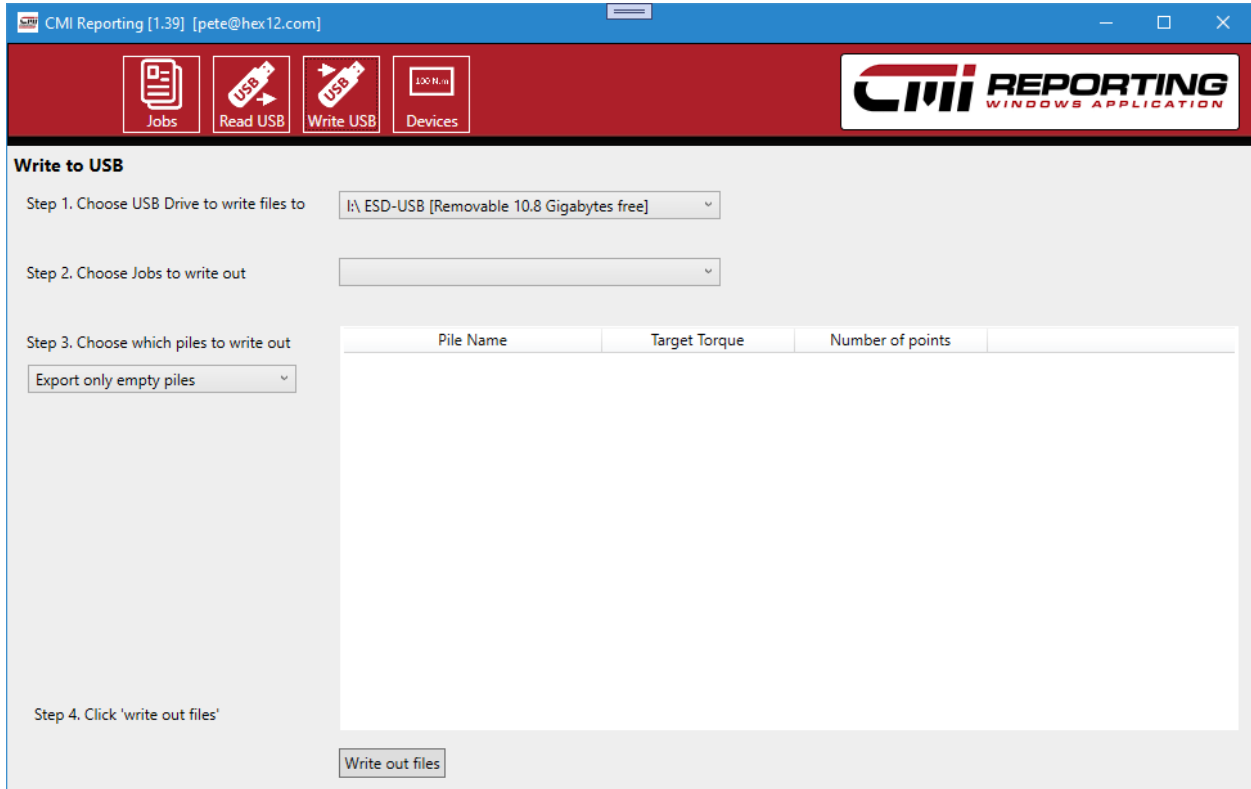


Click on the Job you wish to import and then click “Read in to database” (or double click the Job), and the data on the USB memory stick for that job will be merged with the existing job data in the local database.

Write USB Screen

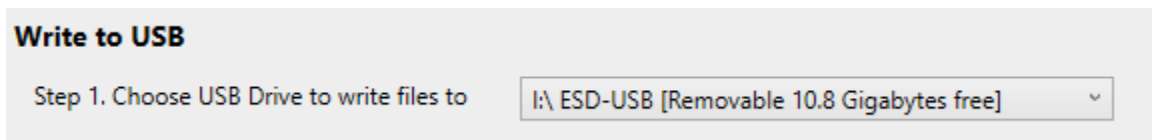
This screen is only applicable if your company uses the RF Displays. If you exclusively use the WiFi Tor-Hubs and Torq-Spools, then you do not need to use this screen.

For companies that distribute their Job/Pile data on USB memory stick, this screen writes the selected Job/Pile data onto a memory stick that can then be uploaded onto an RF Display Device.

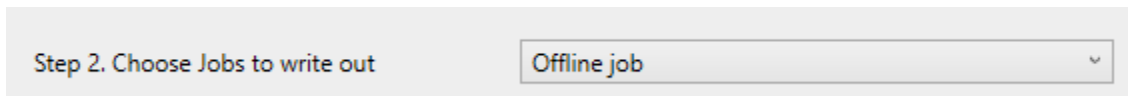


There are four steps to exporting the Job/Pile data to a USB Memory Stick.

Step 1: Select the drive letter that you wish to write the data out to.

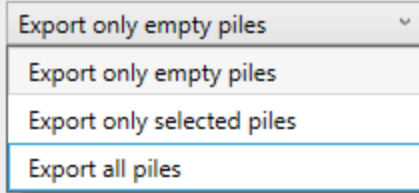


Step 2: Chose the job you wish to write out.



Step 3: Select which piles you wish to write out to the Memory stick.

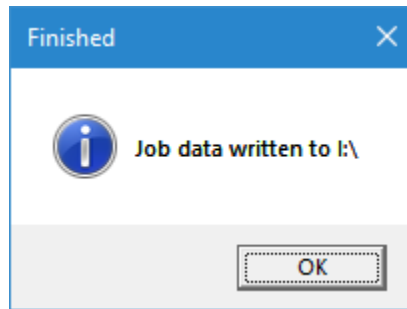
Step 3. Choose which piles to write out



If you select “Export only selected piles”, then be sure to select the piles in the right-hand panel that you wish to copy to the USB memory stick.

Step 4: Click “Write out files”

Once the files have been written a pop-up message will appear stating that the export is complete.



To export multiple jobs, multi select them on the Jobs screen (by holding down the ctrl or shift keys on the keyboard) and then (while still on the jobs screen) from the right click popup menu select “Export Job for HMI”. This will take you to the “Write USB Screen”, however Step 2 will be disabled (as the jobs have already been selected).

Jobs

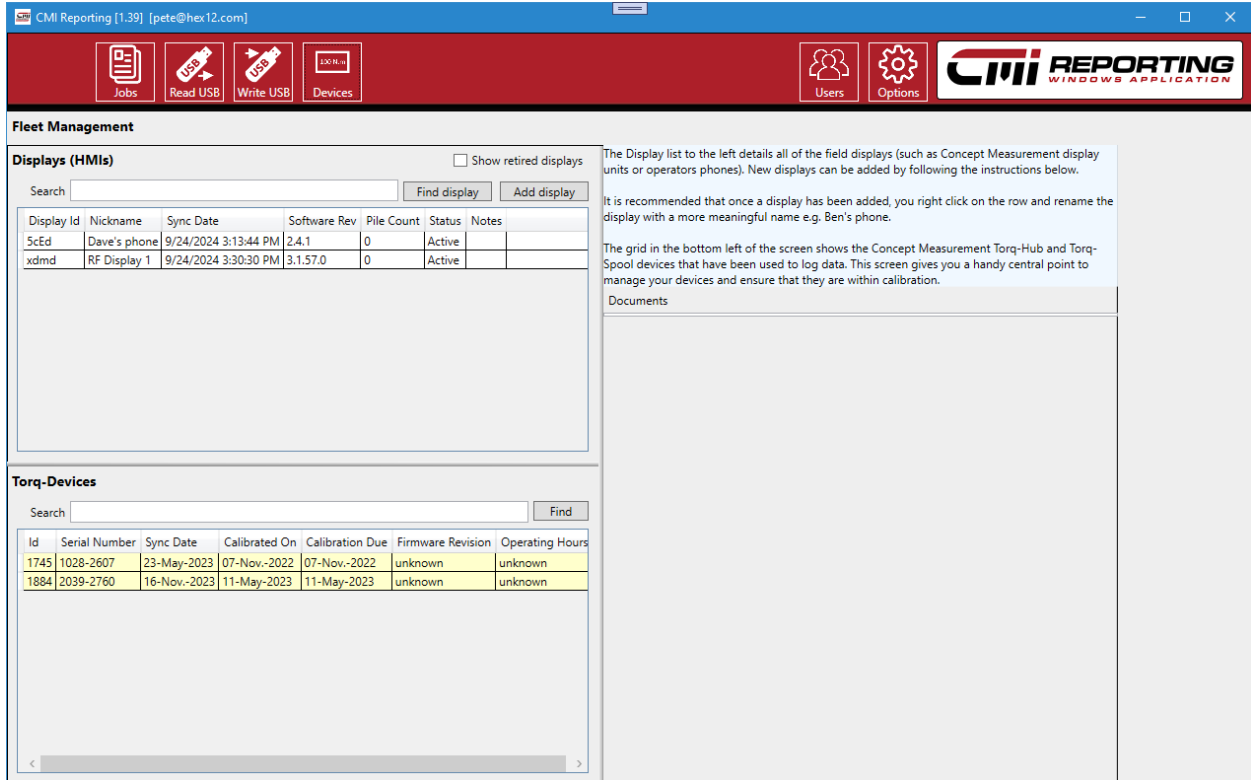
Search Refresh New Job

Job Name	Origin	Sync Date	Start Date	Last Date	Piles with data	Pile count
Airdrie Co-Op Extension	Cloud	25-Sep-24 21:29:25	24-Sep-24 12:48:48	24-Sep-24 12:59:37	2	20
Hybrid Job	USB/Cloud				0	0
Offline job	USB	01-Jan-00 00:00:00			0	1
JOB SIX	USB	25-Sep-24 15:46:06	04-Sep-24 04:22:44	04-Sep-24 05:01:21	3	3

- Show PDF
- New Local Job
- New Cloud Job
- Edit Job
- Export Job for HMI
- Synchronise to cloud
- Delete Job

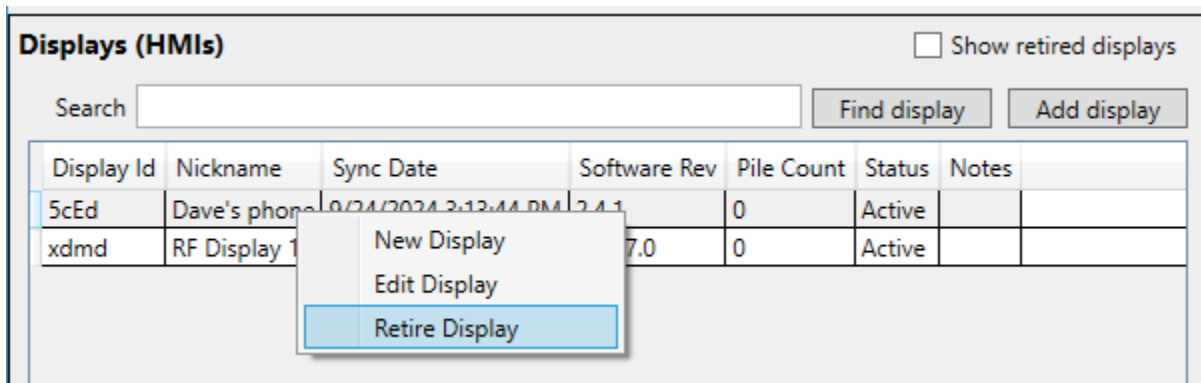
Devices Screen

This is where you can keep track of which Display Devices (phones or RF Displays) and Torq-Hubs/Spools are used by your company.



The top left panel lists the Display's linked to this company account. This section was already covered extensively in the "Getting Started" section of this manual.

The only extra bit of functionality to cover is the ability to "Retire" displays. If an operator upgrades their phone, then the old phone will no longer be relevant to CMI Reporting. In this situation, right click on the obsolete phone and click "Retire Display".

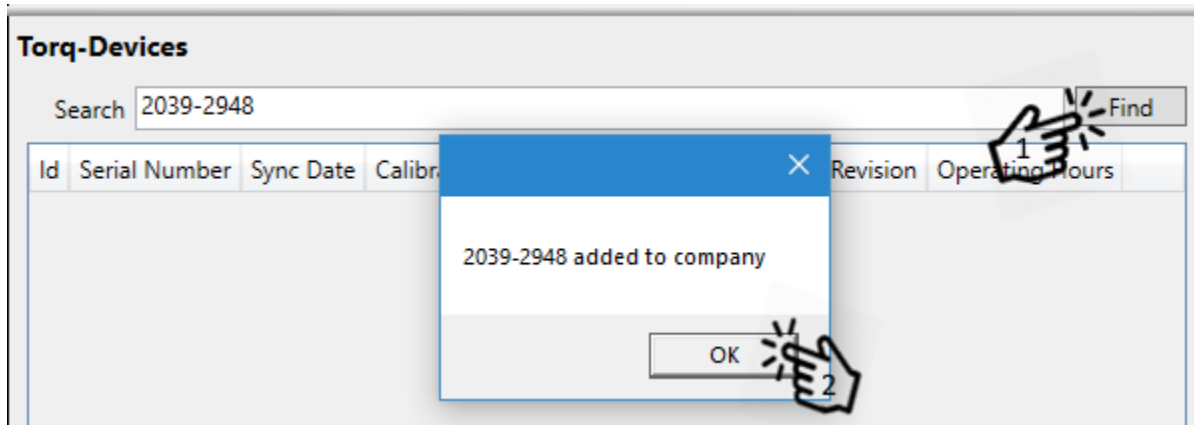


If you accidentally retire the wrong display, then simply check the “Show retired displays” option at the top right of the panel and the retired Displays will be shown. You can then right click on the retired display and select “Set Display to Active” to make it live again.

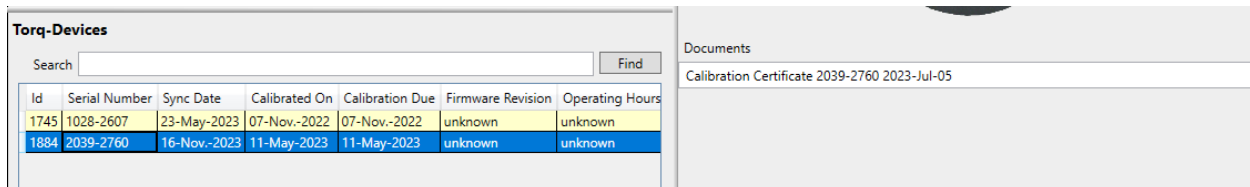
Torq-Hubs/Spools that have been linked to your company will be listed in the bottom left panel. WiFi Torq-Hubs/Spools are automatically added (when logs are uploaded that were measured from that hub/spool).

RF Hubs/Spools have to be manually added.

To manually add a Torq-Hub or Torq-Spool type the serial number into the Search bar and click “Find”.



Devices that are out of calibration are highlighted in yellow. By default, the calibration interval is 2 years, however this interval can be changed to suit your business in the “Options” screen.





Clicking on a Hub/Spool in this panel will display any documents associated with it on the right-hand panel. Here you can see that the calibration certificate for spool 2039-2760 is available. Double clicking on this document will open the latest calibration certificate for the device (example below).

If you wish to remove a Torq-Hub or Torq-Spool from the list, then right click and select “Forget Device”.



Calibration Certificate

Load Cell Transducer: 2039-2760
WiFi Torq Spool 70K

2039-27600725

This document certifies that the following equipment has been calibrated in accordance with Concept Measurement Inc. Calibration Procedure

Serial Number:	2039-2760
Calibration Date:	05-Jul-2023
Re-Calibration:	Within 2 years of the date in service or 1,000 hours

Verification points measured to confirm calibration

Calibrated (ft.lbs)	Measured (ft.lbs)	Calibrated (N-m)	Measured (N-m)	Deviation
0 ft.lbs	52 ft.lbs	0 N-m	71 N-m	0.07%
18,028 ft.lbs	18,047 ft.lbs	24,442 N-m	24,468 N-m	0.03%
35,109 ft.lbs	35,102 ft.lbs	47,601 N-m	47,591 N-m	0.01%
52,800 ft.lbs	52,803 ft.lbs	71,586 N-m	71,590 N-m	0.00%
70,050 ft.lbs	70,051 ft.lbs	94,974 N-m	94,975 N-m	0.00%


Maximum Error: 0.07% (Maximum Allowable Error 2%)

System Location:	Red Deer, Alberta, Canada.
Max. Torque:	70,000 ft.lbs [94,906 N-m]
Calibration Type:	Linear
Calibration Direction:	Clockwise
Calibrated Gauge*:	2209 7590

*The calibrated gauge is NIST traceable.

To be filled in by the customer:

Date in Service:	
Signature:	



Unit Calibrated By: Chad Bot

Certificate auto-generated by Concept Measurement Inc. on 05-Jul-2023 Page 1 of 2

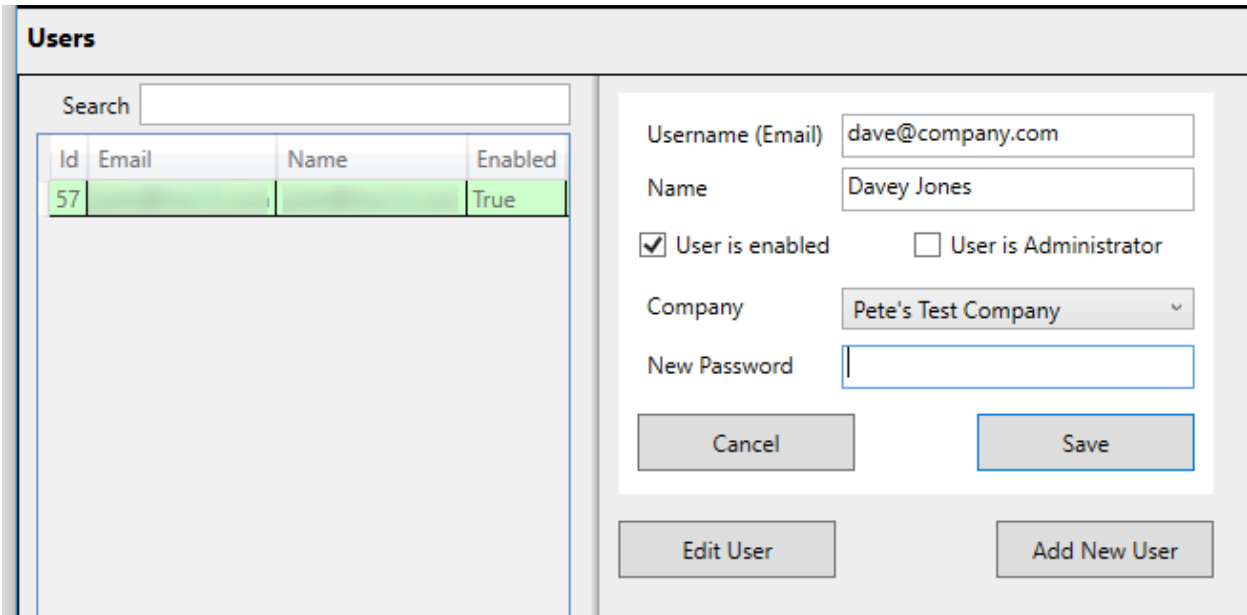
Because this calibration record is pulled directly from the CMI Reporting server it is a tamper proof link.

The system will warn you that a Hub/Spool is coming out of calibration 14 days before the due date (this period is configurable on the Options screen).

Users Screen

CMI Reporting can be used by multiple users within a company. The first user to register is automatically assigned as the Administrator (although other users can also be set as an Administrator later).

Administrator accounts can add/edit other users within the system.



The screenshot shows the 'Users' screen. On the left, there is a search bar and a table with columns: Id, Email, Name, and Enabled. The first row is highlighted in green and contains the values: 57, [redacted], [redacted], and True. On the right, there is a form for adding or editing a user. The form fields are: Username (Email) with the value 'dave@company.com', Name with the value 'Davey Jones', a checkbox for 'User is enabled' which is checked, a checkbox for 'User is Administrator' which is unchecked, a dropdown menu for 'Company' with the value 'Pete's Test Company', and a 'New Password' field. Below the form are buttons for 'Cancel' and 'Save'. At the bottom of the screen are buttons for 'Edit User' and 'Add New User'.

If you are an administrator, to add a new user to your company, click “Add New User” – this will enable the text entry fields. Type in their email address (they will need this to be correct if they forget their password), their name and make sure “User is enabled” is checked/ticked.

Finally enter a password for them and click “Save”. They will be added to your company account.

Similarly, to edit an existing user, select the user from the left-hand list and click “Edit User”.

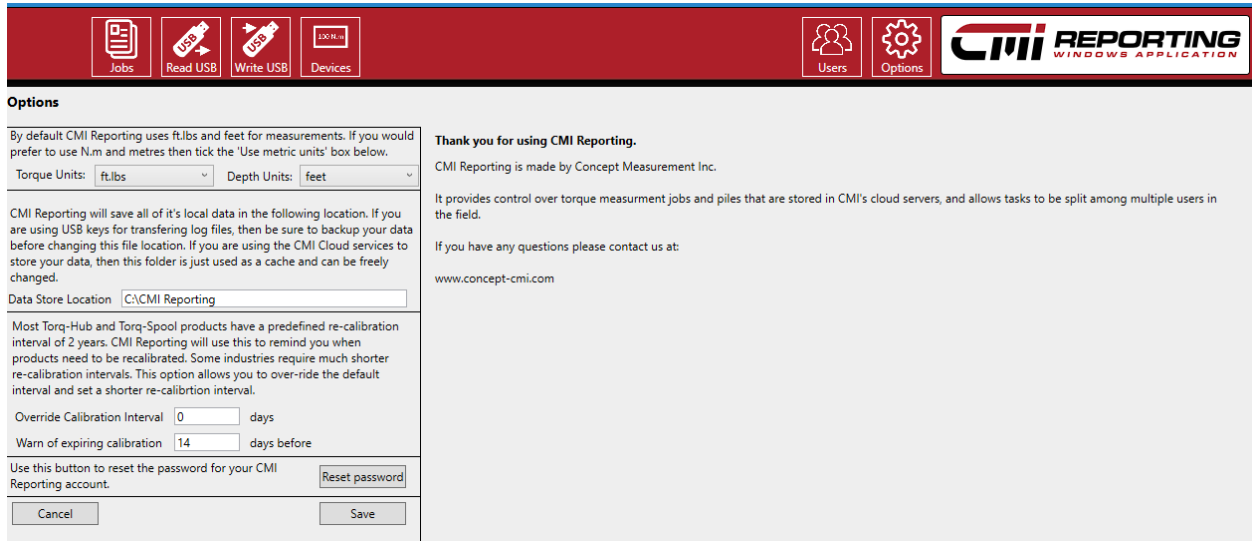
Users can be removed from the system by editing them and unchecking “User is enabled”.

You only need user accounts for people who will be actively logging in to CMI Reporting. For example: If a company has a field operator called Lewis (lhamilton@company.com), who uses a display to synchronise his data up to the CMI Cloud Database, they do not need a user account created for them. They only need an account if they will physically sit at a computer and log into CMI Reporting.

Options Screen

The options screen is used to configure preferences for this computer. i.e. The selected options can be different on each computer that CMI Reporting is installed on.

The Options button should be visible at the top right of the CMI Reporting window. If it is not visible, then it may have been hidden because of the window size. Expand the window until it becomes visible.



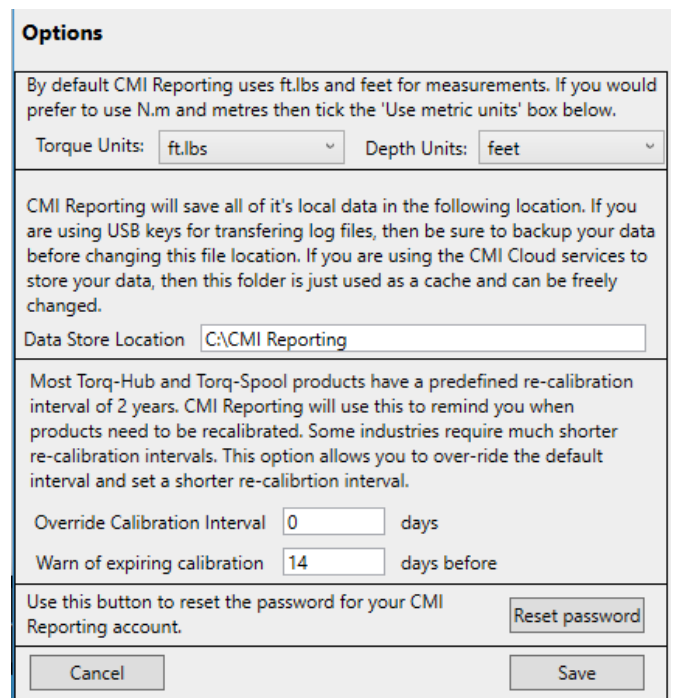
The first preference is selecting the units of measure that the reports use. These can be different from the units that are used for logging and CMI Reporting will convert them to your selected preferences.

By default, CMI Reporting stores its data files in the folder “C:\CMI Reporting”. This can be changed to a different folder/drive. If you are using USB memory sticks to distribute your Job/Pile information, then the C:\CMI Reporting folder should be backed up before making the change. You will need to exit CMI Reporting to make this backup as many of the files will be locked by the program.

If you are exclusively using Cloud jobs, then you do not need to backup the data as it will be automatically downloaded from the CMI Cloud Database.

The third section of the Options covers the calibration interval for the Torq-Hubs and Spools that have been associated with your company. By default, the calibration interval is set to two years, however we are aware that many industries and countries have regulations requiring much shorter calibration intervals.

The final option is to reset your password.



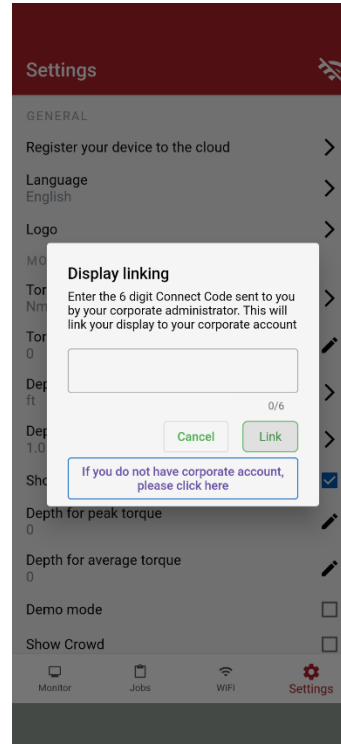
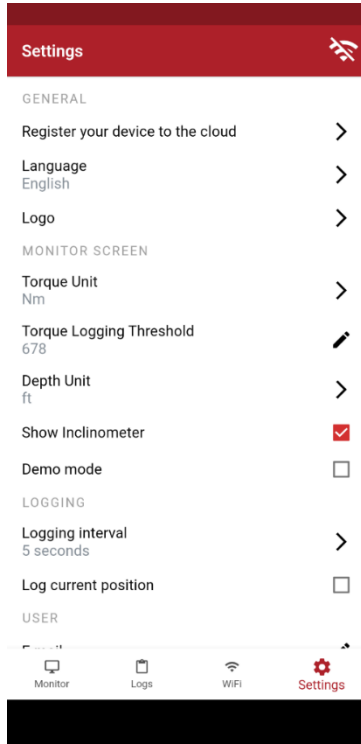
Appendix A Synchronising job data on the CMI Torq-App



If you have a Concept Measurements Inc WiFi-enabled Torq-Hub or Torq-Spool, you can use the CMI Torq app to log data to your phone. Follow these instructions to connect it to the cloud and sync your data, it is available on both Apple and Android stores.

Registering phone to the cloud.

You will need to register your phone to the cloud on the Torq-Hub phone app, so that Jobs & Piles can be uploaded to CMI reporting.



Step 1: From the settings menu, click on “Register your device to the cloud.”

Step 2: If you have a 6-character code from your administrator, then type it in here.

Or

If you do not have a code from your administrator, click the link at the bottom of the window. This will ask you to enter your email address. Once entered, a 6-character connection code will be sent to this address. Enter this code to link your phone to the cloud. This will be the email address you use to log into CMI Reporting to access this cloud data. You will need to set a new password for the account when you first log in.

Important: All companies using the CMI Cloud Database have a primary email address that is used to administer the company account. If you are the first person in your company to register their email address with the CMI Cloud Database, then your email address will become the primary email address for your company.

To clarify, if you register different email addresses from different phones, they will each be connected to separate unique company accounts, and you will not be able to share job/pile data between the phones.



For example:

John registers his email “john@thecompany.com” from phone #1.

Dave registers his email “dave@thecompany.com” from phone #2.

Two separate companies are created on the CMI Cloud Database, one with John as the administrator and the other with Dave as the administrator. Job data cannot be shared between these two phones.

If John registers his email “john@thecompany.com” from both phones, then only one company will be created on the CMI Cloud Database (which John will be the administrator for) and both phones will be linked to that company, allowing Job/Pile data to be shared with both phones.

An alternative method is to create a company account using CMI Reporting on a PC, then assign new display Connect Codes from within the CMI Reporting app. This will ensure that each phone will be properly connected to the company account.

For example:

John creates a new account in CMI Reporting, using the email address “john@thecompany.com”.

He then uses the “Devices” tab within CMI Reporting to add a phone. This gives him the quick connect code of “9DPKLR”. He types this Connect Code into phone #1, and it is now linked to his company account.

He adds a second phone from within CMI Reporting and this time he gets assign the Connect Code ‘TY6RT’. He passes this code on to Dave who types it into his phone, connecting it to the same company.

Appendix B Synchronising job data on the CMI RF display unit



Concept Measurements Inc sells RF Display units like the one picture above. If you own this type of display unit, follow these instructions that describes how to connect it to the cloud and synchronize your data.

In order to do this, the RF Display needs to be within range of a WiFi connection.

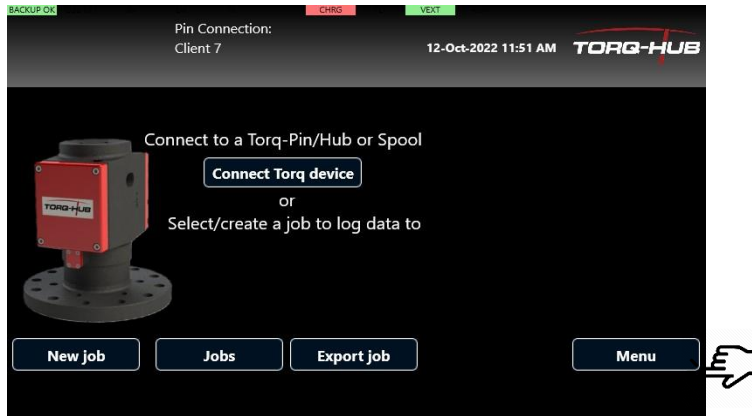
Note: In remote areas, your phone can be setup as a WiFi hotspot to share its data connection with the RF display.

There are three steps to connecting your display to the Cloud Database. The middle step (Joining the CMI Cloud Database) only needs to be done once, and can be skipped in future.

1. Connecting the RF display to the internet via WiFi
2. Joining the CMI Cloud Database
3. Synchronising job data to the CMI Cloud Database

Connecting the RF display to the Internet via WiFi

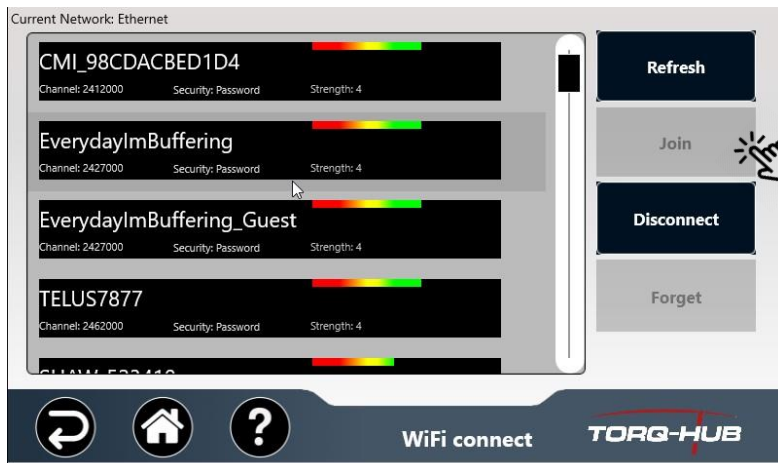
Step 1: Click “menu” and then “WiFi”



Step 2: On the WiFi menu, click into “Connect to WiFi.”



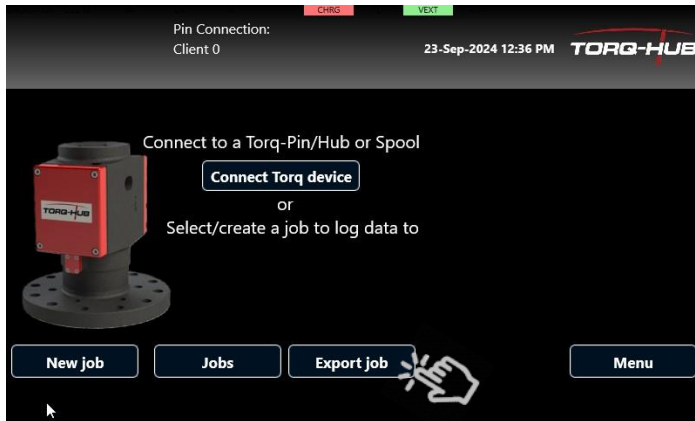
Step 3: Click on the name of the WiFi network you wish to use and press “Join”. The system will ask you to enter the WiFi password, or if the system has connected previously, then it will automatically connect using the stored password.



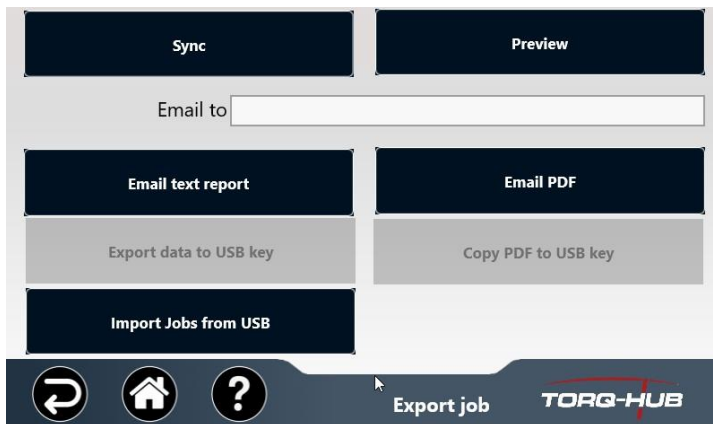
Joining the CMI Cloud Database

Concept Measurement Inc provides a free backup service, where your logged data can be copied up to a secure database on the internet. This is called a Cloud Database. To link your RF Display unit to this service, complete the following steps. This process only needs to be completed once.

Step 1: Click on “Export Job” – this will bring up the export screen.



Step 2: The export screen gives you various options for importing and exporting job data to/from the display. Click on the “Sync” button to synchronise your local data with the CMI Cloud Database.



Step 3: If this is the first time connecting your RF Display to the CMI Cloud Database, you will be asked to enter either a “Connect Code” or register your email address.

If you are part of an organisation with multiple Torq-Hub/Spool products, then you should use the connect code option. This code is generated from with CMI Reporting (see section “Getting Started” of this manual) and is used to link all displays to the one account. Your CMI Reporting operator will be able to send you this 6-character code.

Alternatively, if you have not yet created a CMI Reporting account, or do not have access to a computer, you can register your email. This will send the 6-character connect code to your email address. The code is valid for 1 hour.



Connect code	<input type="text"/>	Enter the 6 character Connect Code sent to you by your company administrator. This will link your display to your company account.								
Register email	<input type="text"/>	If you do not have a corporate account, enter your email address to receive a code there.								
Connect code										
<input type="text"/>										
Next Field	ABC	abc -> qwe	<-	->	CANCEL					
0	1	2	3	4	5	6	7	8	9	DEL
a	b	c	d	e	f	g	h	i	j	CLR
k	l	m	n	o	p	q	r	s		ENTER
t	u	v	w	x	y	z	@	.		
code		Space								

Important: All companies using the CMI Cloud Database have a primary email address that is used to administer the company account. If you are the first person in your company to register their email address with the CMI Cloud Database, then your email address will become the primary email address for your company.

To clarify, if you register different email addresses from different displays, they will each be connected to separate unique company accounts, and you will not be able to share job/pile data between the displays.

For example:

John registers his email "john@thecompany.com" from display #1.

Dave registers his email "dave@thecompany.com" from display #2.

Two separate companies are created on the CMI Cloud Database, one with john as the administrator and the other with Dave as the administrator. Job data cannot be shared between these two displays.

If John registers his email "john@thecompany.com" from both displays, then only one company will be created on the CMI Cloud Database (which John will be the administrator for) and both displays will be linked to that company, allowing Job/Pile data to be shared with both displays.

An alternative method is to create a company account using CMI Reporting on a PC, then assign new display Connect Codes from within the CMI Reporting app. This will ensure that each display will be properly connected to the company account.

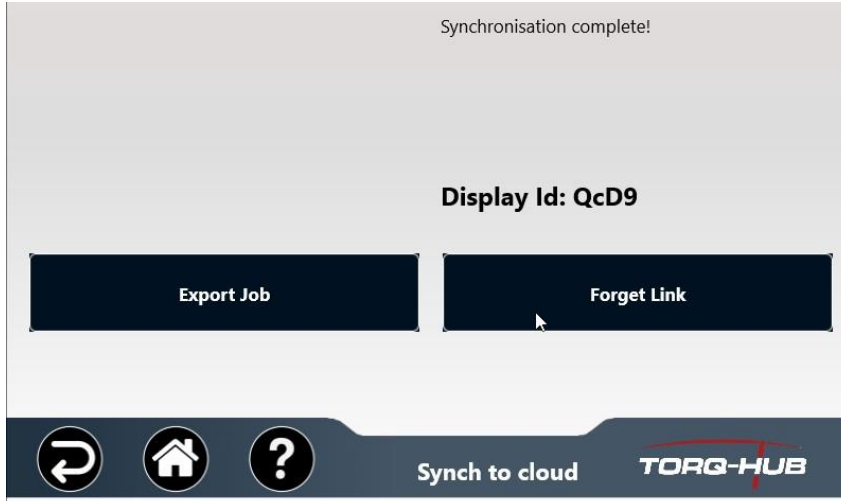
For example:

John creates a new account in CMI Reporting, using the email address "john@thecompany.com".

He then uses the "Devices" tab within CMI Reporting to add a display. This gives him the quick connect code of "9DPKLR". He types this Connect Code into display #1, and it is now linked to his company account.

He adds a second display from within CMI Reporting and this time he gets assign the Connect Code 'TY6RT'. He passes this code on to Dave who types it into his RF Display, connecting it to the same company.

Once the RF Display has been connected to the CMI Cloud Database, you will see a screen similar to this.

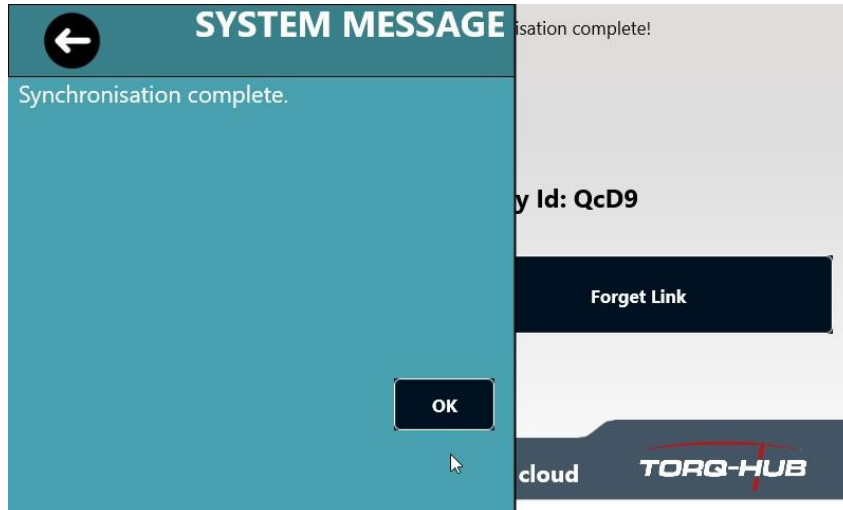


If you don't see this screen, then check your WiFi connection and try again.

Synchronising job data to the CMI Cloud Database



Note that once you have linked your RF display to the CMI Cloud Database, the "Export job" button on the main screen is automatically renamed to "Synch data". Click the "Synch data" button and the display will automatically upload the Job/Pile data from your display to the CMI Cloud Database, and download any Job/Pile data that has been assigned to this display from CMI Reporting.



Once the data has been synchronised you should see a message similar to the one above.

If you get an error message, check that you are connected to the internet (via WiFi – either permanent or hot-spotted from your phone), and try again.

If you need to e-mail a job or copy it to USB, then pressing the “Export Job” button on this page will display the manual export screen.

If you have accidentally registered a display to the wrong email address or company, then you can use the “Forget Link” to disconnect the display from the company account.