



CONNECT YOUR CMMS TO HORIZON® WITH DATACONNECT

What is DataConnect?

DataConnect is an Application Programming Interface (API) that follows a standard REST format (Representational State Transfer), that can be utilized to pull data and submit new and edited data to another application. In a nutshell, DataConnect allows you to connect your maintenance applications, such as a CMMS (Computerized Maintenance Management System), to our data management system, HORIZON.

What are the Benefits?

Streamline Systems

There are many benefits to using a secure API to share and transfer data between systems. At the core, sharing data can eliminate the need to enter data in two systems in order to keep your data in sync. For example, if you modify a piece of equipment in your CMMS, you can program your application to use DataConnect to make the same edit in HORIZON, rather than having to manually make those changes.

Submit Samples

Another large benefit is simplifying the process of sample submission. The most common cause of errors and delays in a fluid analysis program relates to issues on the manual, handwritten paperwork sent in with samples. Handwriting errors, illegibility, fluid spills and a host of other errors can occur between when the sample was taken and when the laboratory processes the paperwork.

To avoid these problems, samples submissions can be created in your system and sent to the laboratory through DataConnect. In the same way you can manually create a sample submission using the HORIZON website application or mobile app, you can tell the laboratory about an incoming sample through our DataConnect API. Using this method drastically reduces the error rate and the number of misidentified and on hold samples due to missing information. When a sample collection work order is completed in your system, you can utilize DataConnect to tell HORIZON about your incoming sample. This saves time and reduces possible issues that would cause a delay in seeing your test results.



Why Should I Connect my CMMS to HORIZON?

Taking advantage of DataConnect to securely share data, eliminates data entry work and simplifies the need for some users to maintain logins to multiple systems.

Here are a few examples of how DataConnect can work for you:

- » Existing hardware, such as a barcode scanner on your system, can be utilized to scan samples and submit the information to HORIZON, eliminating hard-to-read paperwork.
- » Sample results can be retrieved as often as you like and once the data is pulled through DataConnect, work orders and other maintenance actions can be created from the sample results.
- » Equipment name and other informational changes can be pushed from your CMMS to HORIZON so our team of data analysts can review future test results with the most up-to-date and accurate equipment information possible.



What is Required for Setup?

This depends mostly on what CMMS you're using and your Information Technology (IT) capabilities. In most cases, setup will involve some programming on your side to create the transactions with the API when you want data to be shared. The API follows a common REST-based architecture and we've compiled comprehensive documentation for your developers to follow when DataConnect is set up. If you run into problems with integration, our IT Team will be here to help start your DataConnect journey.

If your CMMS is not already connected to HORIZON documentation is available to guide your IT resources on how to format data and send/receive it securely via the DataConnect API. This programming should only take a few hours. The larger time requirement comes from:

- » Determining what information is to be exchanged
- » Creating new fields and input paths in your system
- » Establishing storage locations for the data

What Information is Sent to HORIZON?

DataConnect is just the pathway for your data – your maintenance program determines what travels along it. If the field exists in HORIZON, the information can be sent in either direction. However, laboratories do require certain fields when submitting sample information for testing.

Fields available for sample submission:

- | | |
|--------------------------|---------------------------|
| » Account Number | » Fluid Changed |
| » Additional Testing | » Fluid Grade Name |
| » Analyst Notes | » Fluid Name |
| » Calculate Fluid Time | » Fluid Manufacturer Name |
| » Component | » Fluid Time |
| » Component Name | » Fluid Time Units |
| » Component Time | » Fluid Type |
| » Component Time (units) | » Filter Type Name |
| » Date Sampled | » Formatted Date Logged |
| » Fluid Added (quantity) | » Notes |
| » Filter Changed | » Purchase Order Number |
| » Filter Micron Rating | » Rush Service |
| » Fluid Added (units) | » Tracking Number |

It should be a relatively simple task for your technical team to pull the data necessary from your system and pass it along via DataConnect. However, fields may not exist in your current system (such as the Sample Bar Code) or may not currently match (like Component ID). These issues need to be addressed before DataConnect can go live and we can help you plan and resolve these.

A Chevron company product



What Information can be Received from HORIZON?

Comprehensive data relating to sample submissions, sample results and equipment is available through the DataConnect API. For example, completed sample reports can be downloaded in PDF format or as delimited data containing all test results and recommendations. Your entire history of sample results from the past can also be extracted to review data trends. Having this data in your system may assist management reports provided by your CMMS, such as comparing wear patterns after maintenance.

Establishing a connection with the HORIZON DataConnect API will provide significant advantages to maintenance programs using a CMMS, including increasing the speed and precision of sample submission. The ability to pull in sample results, including recommended actions, on a scheduled basis can significantly reduce the time it takes to create work orders in your systems and drastically improve your maintenance operations.

For more information about setting up DataConnect or turning on the connection in your CMMS, please contact custserv@eoilreports.com