

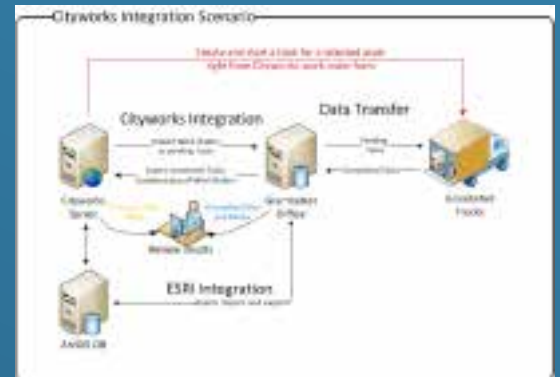
The GraniteNet and Cityworks Interface

CUES, the leading manufacturer of pipeline inspection equipment and software, introduces the new Cityworks Software Module for GraniteNet!

Working in close partnership with Trimble Systems, CUES has fully integrated its GraniteNet v2.x asset management and decision support software with Trimble Cityworks Server 15.6.x and later to provide a flexible process flow and bidirectional integration for field maintenance activities. Because the systems are tightly integrated, data integrity and GIS precision is maintained programmatically to virtually eliminate the need for manual data validation. Users can easily transfer data between the two systems which translates into greater efficiencies and reduced costs.

With the CUES Trimble Cityworks Software Module, you can:

- Import Work Order ID's, Asset ID's, Project Names and Employee Names from the Cityworks Server Asset Management System to the GraniteNet database.
- Automatically create new pending GraniteNet tasks of corresponding types in Cityworks for each asset imported from a Cityworks Work Order.
- Automatically designate pending tasks to corresponding Employees in accordance with assignments made in each Cityworks Work Order.
- Create and start new tasks directly from the Cityworks Server Work Order form (for crews which are out of the office and have internet access.)
- Obtain all necessary inspection data while performing TV inspections, including distance-linked observations, video, and pictures.
- Complete Work Orders that have been generated from Cityworks by performing full-featured GraniteNet TV inspections.
- Automate and schedule the import of Work Orders from the Cityworks database.
- Automatically update the status and date of Cityworks Work Orders and Tasks during inspection data export.
- Review detailed inspection results by calling GraniteNet directly from within Cityworks.



The screenshot shows the Cityworks software interface. At the top, there's a navigation bar with 'Cityworks' logo and links for 'Home', 'Assets', 'Inventory', 'Requests', 'Help', and 'Exit'. Below this is a toolbar with icons for 'Work Order', 'New', 'Save', 'Close', 'Cancel', and 'Print'. The main window displays a table titled 'Assets' with columns: Type, ID, Entry/ID, Features Type, Features ID, Legacy ID, and a checkbox. The table contains 10 rows of data for 'CW_SHARD' assets. Below the table, there's a 'Filter (row - hide rows that match all under category)' section. At the bottom, there's a 'Bar Services Inspection' button highlighted with a red circle, and a 'Tools' section with various icons.

Type	ID	Entry/ID	Features Type	Features ID	Legacy ID	
CW_SHARD	40383	62519	CW_SHARD	62519	41464FF17 41464	<input type="checkbox"/>
CW_SHARD	51434	15955	CW_SHARD	15955	41464FF17 41464	<input type="checkbox"/>
CW_SHARD	40382	70985	CW_SHARD	70985	50581FF17 50581	<input type="checkbox"/>
CW_SHARD	44787	60864	CW_SHARD	60864	50451FF17 50451	<input type="checkbox"/>
CW_SHARD	49753	69889	CW_SHARD	69889	50281FF17 50281	<input type="checkbox"/>
CW_SHARD	46381	61250	CW_SHARD	61250	50381FF17 50381	<input type="checkbox"/>
CW_SHARD	51745	51337	CW_SHARD	51337	50481FF17 50481	<input type="checkbox"/>
CW_SHARD	44021	50331	CW_SHARD	50331	50451FF17 50451	<input type="checkbox"/>
CW_SHARD	57573	44854	CW_SHARD	44854	50281FF17 50281	<input type="checkbox"/>
CW_SHARD	46384	50586	CW_SHARD	50586	41464FF17 41464	<input type="checkbox"/>
CW_SHARD	43640	35933	CW_SHARD	35933	50281FF17 50281	<input type="checkbox"/>
CW_SHARD	40323	24245	CW_SHARD	24245	50581FF17 50581	<input type="checkbox"/>

Filter (row - hide rows that match all under category)

Bar Services Inspection

Seq#	Name	Description	Status	Percent	Rev#
1	TV SERVER SVC (FT)	TV Impact Server Service	COMPLETE	False	False
2	TV SERVER SVC (FT)	TV Impact Server Service	COMPLETE	False	False
3	TV SERVER SVC (FT)	TV Impact Server Service	PENDING	False	False
4	TV SERVER SVC (FT)	TV Impact Server Service	PENDING	False	False
5	TV SERVER SVC (FT)	TV Impact Server Service	PENDING	False	False
6	TV SERVER SVC (FT)	TV Impact Server Service	PENDING	False	False
7	TV SERVER SVC (FT)	TV Impact Server Service	PENDING	False	False
8	TV SERVER SVC (FT)	TV Impact Server Service	PENDING	False	False
9	TV SERVER SVC (FT)	TV Impact Server Service	PENDING	False	False
10	TV SERVER SVC (FT)	TV Impact Server Service	PENDING	False	False
11	TV SERVER SVC (FT)	TV Impact Server Service	PENDING	False	False
12	TV SERVER SVC (FT)	TV Impact Server Service	PENDING	False	False

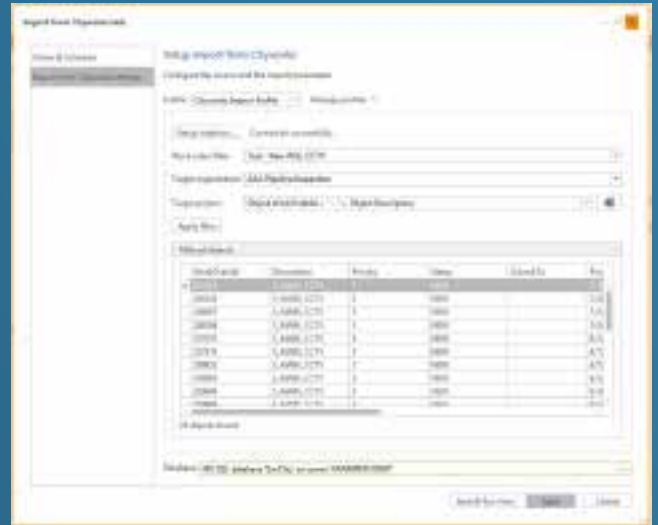
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More specifically, the Trimble Cityworks Software Module for GraniteNet provides the ability to import the following data into GraniteNet from the Cityworks Server via its weblink:

Work Orders

During the import process, new pending tasks with Cityworks Work Order ID's are added to the GraniteNet database. If a task with the same Work Order ID already exists for the same asset, the new task will not be created. This process ensures data integrity by preventing duplicate entries.



Cityworks Assets

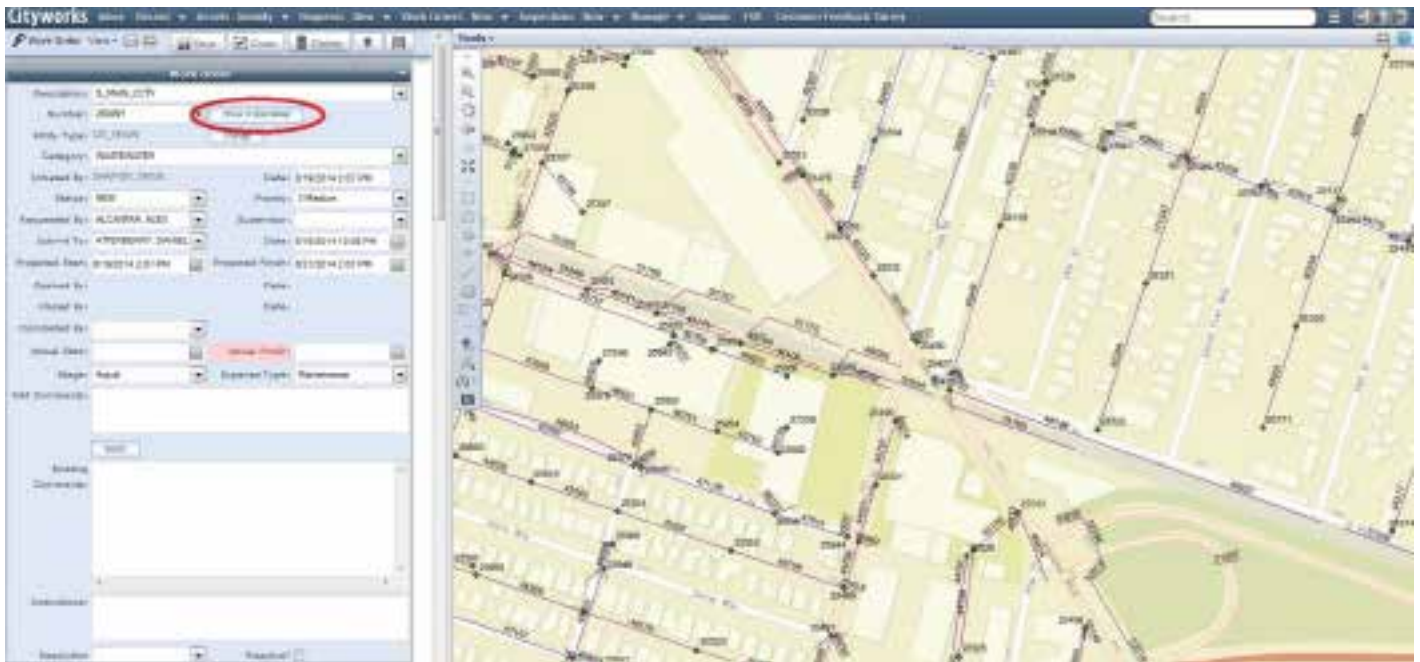
Asset ID's from Cityworks are automatically checked against Asset IDs and attributes already imported from the GIS inventory and residing in the GraniteNet database. If the Asset ID already exists in the GraniteNet database, the Asset ID will not be imported. This is another safeguard designed to prevent duplicate entries.

Project Names

Project Names in GraniteNet are automatically generated based on a user-defined template which can include Work Order's Project Name, ID, Description, dates, etc... Projects are loaded into the GraniteNet database and contain pending tasks imported for corresponding Work Orders.

Employees

During the Work Orders import process, all Employees that are assigned to the Work Orders are imported from Cityworks to GraniteNet. These imported Employees become assigned to corresponding pending tasks created in GraniteNet during import.



To see how the CUES Trimble Cityworks Software Module can work for your organization to streamline processes and drive down costs, ask your CUES Sales Representative to set up an online software demonstration and discussion or email granitesupport@cuesinc.com today!

Specifications subject to change without prior notice. Visit us at www.cuesinc.com