

# GRANITE XP SOFTWARE

Granite XP is a comprehensive data collection and management software offering unmatched flexibility, customization, and ease-of-use to meet the growing needs of the pipeline inspection industry. Designed with asset based architecture, you can navigate to a particular asset (e.g., pipe segment or manhole) and view all inspections. Because this is the database structure on which asset management and Geographic Information Systems (GIS) are built, data integration is seamless.

Granite XP has the following advantages which are critical to deploying a comprehensive program following the USA EPA's **Capacity, Management, Operations, and Maintenance (CMOM)** standards that efficiently conforms to **Government Accounting Standards Board (GASB-34)** regulations:

- Granite XP is *asset-based* software while alternative tools are *inspection-based*. The difference between these two approaches is that the inspection-based software systems view and store inspection data in multiple Projects or multiple separate databases. Often the inspection information collected is isolated from other inspections made on the same physical location (asset). Because each inspection of a physical location can include multiple assets within it (manholes, laterals, pipe segments), viewing historical data at the asset level is virtually impossible to accomplish. It requires painstakingly reviewing all projects to gather the history on a particular physical asset. Managing infrastructure data in individual project databases will complicate the process of proving to regulators that an effective CMOM program is in place. The asset-based approach provided in Granite XP is unique to the CCTV software segment and widely used in well known infrastructure management systems like Hansen, GBA, Azteca, Maximo and GIS systems like ESRI. Granite XP enables strategic asset management, yet it can simultaneously collect data the old fashioned way using the inspection-based method. Users can decide how to view the data- and that's one of the many powerful options that Granite XP provides.
- Granite XP software is developed by CUES own Software Division. It originates and exists in the USA
- Granite XP source code is escrowed and stored in a secured location by a trusted third party, a Code Escrow Company.
- CUES is a certified ESRI development business partner with the ability to integrate Granite XP software with ArcGIS products.
- Granite XP Software is certified by the **National Association of Sewer Service Companies (NASSCO)** to comply with the **Pipeline Assessment and Certification Program (PACP)**.
- One of the main features of Granite XP is *data presentation and navigation flexibility* – users are able to browse for required information in seconds using Granite XP Navigators and Filters. Users are also able to create their own specific filters (queries) that enable them to browse for information, which is mostly required for the particular user only.
- On-screen report generation with powerful search and filter capabilities allow easy customization to display the desired data and information. Granite XP includes a wide selection of report templates or custom templates can be generated with the built-in report designer/generator. Multiple types of reports can be printed in one run and include the customer logo in the header section. All reports can be saved in PDF, HTML, or ASCII file format and/or can be emailed through Granite XP.
- The other principle of Granite XP is *Ease-Of-Use* – most of the major operations can be done in seconds without opening new windows or dialogs (this feature is preserved from its predecessor, DataCap 4.0), but, unlike DataCap 4.0, independent UI parts (panes) are dockable, which means that they can be attached to application's main window or can be made floating, like modeless windows. This adds a great deal of flexibility to the user interface.
- Granite XP introduces the use of panes. Panes are independent windows of information that can be docked to the main window. Users have the flexibility to view multiple panes of information depending on your

individual preferences/requirements. Users can customize layouts or select one of the default layouts for quick operation.

- Granite XP records and stores live digital video in MPEG format and accurately links each observation to the video record in real-time. Random access to video frames is achieved instantly with the click of the mouse, eliminating the need to fast forward or rewind VHS tapes.
- The greatest power of Granite XP comes from the ability to support and synchronize with multiple data sources, such as Microsoft Access, Oracle, or SQL Server. All or part of the data can be duplicated between Granite XP databases and exported into multiple formats, such as Access, PACP, Sewer.dat, Sewer1.dat, Hansen, WinCan, Azteca, and ASCII. Asset information can be imported from ArcGIS and synchronized to Granite XP, thus eliminating the need to re-enter data. What used to take hours of manual data entry can now be performed more efficiently, allowing significant process efficiency gains. Users with multiple trucks can synchronize data between one another and/or with the database in the office, therefore ensuring local and remote databases have the same content. Synchronization assures that records are not duplicated and that changes made to an inspection are transferred to one central location.
- Granite XP is built with a user-friendly tree structure navigation. The Project Navigator Pane serves as the central navigation point and displays the inspection data in Project or Asset modes. Users can access the drop-down menus for quick and accurate selection.
- Granite XP's wizard can burn directly to a CD/DVD, even in the truck. Users can write/save 45 minutes of video to a CD and/or 4.5 hours of video and pipeline data observation information to a DVD. Select multiple items, such as a complete inspection, a specific project, a particular asset, or many other options. A copy of the Granite XP Viewer is also included for a clients review. For convenience and ease, inspections can be selected from the Project Navigator and burned to a CD/DVD with a single click.
- Granite XP allows for reverse setups in a single inspection, with both "upstream against the flow" or "downstream with the flow" observations on the same report.
- Granite XP introduces the concept of Compatibility Modes to ensure that files and reports are fully compatible with other products. The Compatibility Modes that are currently available with Granite XP include CUES Standard, Hansen Sewer, Azteca-CityWorks, , WRc, WRc1, FlexiData-PACP, WinCan, and PACP. Each compatibility mode varies depending on the module being used and displays the correct fields and rules for the selected system. Multiple compatibility modes can be activated at the same time or changed without having to load different software.
- Replication is the process of selecting portions of the original data, video, and pictures, and creating a complete and independent copy of this information, which can be run by any Granite XP Edition. This is especially useful for the initial creation of truck databases: Office Edition users can select the Assets and Projects to transfer to a particular database. All or part of a database can be replicated from Granite XP, with or without videos and pictures. This new file can be burned to a CD/DVD and brought into the office from the truck, or vice versa.
- Granite XP offers a wide range of *customization features*:
  - Ability to work with different *unit systems* allows Granite XP to be compatible and work with many international standards in the sewer industry.
  - Granite XP provides advanced means of *data structure customization* in terms of adding new fields/modifying some of the existing entities like Inspection or Observation and even adding new entities, for example, client information. This enables customers to adapt Granite XP to their needs and existing infrastructure rather than change the infrastructure itself. The users are able to add their custom information into the database and reports, use their own terminology expressed in specific along with custom codes, units and DB field names.
  - Ability to change UI field names, using *customizable labels*. This is useful since different sewer departments are using different naming conventions for the same data fields.
  - *Pluggable architecture* allows for extensions development without re-architecting and changing the whole application. Plug-ins provide the ability for significant customization and easily enhances the application based on your needs. With the use of plug-ins, third-party software,

custom-designed modules, and asset infrastructure management systems can be easily integrated without rebuilding the program. For example, after adding the Management Module plug-in, users will be able to maintain information about sewer department staff and inventory.

- **Customizable presentation of UI** allows administrators to configure the application so it will look like another application, like Hansen, for example. This greatly improves the application's comprehension by operators or office users.

## Granite XP Editions

To meet the needs of different users, Granite XP is available in four different editions:

- **Inspection Edition** - allows users to perform inspections on Assets; integrate software and TV inspection equipment to collect and store inspection data
- **Office Edition** - allows users to manage inspection information and create customized inspection results in the form of reports, video, still pictures, and then export the database containing all of the inspections performed for their clients; synchronize multiple inspection sources into one master database, add inspection data, and generate custom reports
- **Engineering Edition** - allows users to modify information gathered during inspections and generate reports
- **Viewer Edition** - allows users to review and share information gathered during inspections and generate reports

## Optional Plug-In Modules

- **Lateral Assets Module** - capture inspection data, observation details, video, and pictures, which are all linked to the lateral structure
- **Inclination Module** - accurately capture and graph the slope of the pipe and evaluate pipe conditions as the inspection is performed
- **Seal & Grout Module** - record pressure changes during air tests and graph pressure tests that show repair integrity and track grout usage
- **Structure, Manhole, and Nodes Module** - capture inspection and observation details, which are all linked to the structure node or manhole
- **PACP Export Module** (NAASCO certified) - includes user entry validation
- **FlexiData-PACP Export Module** - Allows data to be collected and exported using FlexiData rules and file format.
- **WRc Compatibility and Export Module** (Sewer.dat)
- **WRc1 Compatibility and Export Module** (Sewer1.dat)
- **Hansen Module** - allows data to be collected and exported to Hansen v7.5, v7.6, and v7.7
- **Azteca CityWorks Module** - allows data to be imported from the Azteca DataPump intermediary database and exported to Azteca CityWorks database
- **WinCan Export Module** - allows data to be collected and exported to WinCan v7 seamlessly
- **ESRI ArcView Module** - Creates and analyzes location based data within the inspection program. Map panes are integrated within the program; opens existing maps through the application to display both related and unrelated data; Inspections are started directly from the Map by context clicking on a pipeline, asset information is populated for reduced operator input; Reports can be generated in PDF, Print, Email or HTML from the application and by context selection within the integrated Map pane; Provides links/buttons in ArcMap that would allow for the asset to be viewed in the originating inspection application.
- **GPS Receiver Module** - The GPS plug-in shall display and allow users to enter coordinate(s) manually or directly from the GPS receiver for each sewer node, lateral assets, or for a single specific observation. Based on the lateral asset's connection points, the coordinates of the intermediate points can be estimated. Estimation will be based on the known coordinates of the upstream and downstream sewer nodes, known

footages and lengths. The GPS Plug-in provides a toolbar available within the Granite XP framework to display the current GPS connection status and the current coordinates. The GPS plug-in supports the NMEA-0183 compatible GPS receivers working through the COM (RS-232) hardware interface.

**Documentation**

Granite XP includes an integrated electronic help file. Additionally, CUES provides the end user with the following documentation:

1. A Granite XP Quick Reference Guide
2. A Granite XP User Manual
3. A Granite XP Quick Tips Sheet
4. An interactive demo CD
5. A Granite XP brochure

**Licensing**

The software license and terms of use for Granite XP is listed in Appendix A. Granite XP is licensed as follows:

<b>Granite XP Edition</b>	<b>Type of License</b>
Office	Single Server License
Engineering	Per Seat
Inspection	Per Truck
Viewer	Free

**Inspection Edition Specifications:**

The system is a rugged rack mounted video recording and pipeline data acquisition system. It has the capability of recording, digitizing and storing single frames of video images and 'real time' live video as well as collecting, storing and printing pipe line inspection data for display and report generation.

The software is a 32 bit Windows 2000/ Windows XP application and fully Object Oriented. Some features highlights are:

<b>Image Capture</b>	<ul style="list-style-type: none"> <li>• Stores selected digitized picture images on the system controller's hard disk drive.</li> <li>• Is not limited in number pictures per observation.</li> <li>• captures digitized picture images from live video or digital video playback.</li> <li>• Has the ability to export picture files to Industry Standard Formats to include JPEG, BMP, TIFF formats and be transferable by disk to an external personal computer utilizing standard viewers and printers.</li> <li>• Is able to print any captured image on the ink jet color printer in the inspection truck. Picture files shall be stored and exported with inspection data.</li> <li>• A "thumbnail" preview of all pictures at an observation is available.</li> <li>• The pictures can be expanded from thumbnail to window to full screen by utilizing the mouse.</li> </ul>
<b>Video Capture</b>	<ul style="list-style-type: none"> <li>• System includes a MPEG1 and/or optional MPEG2 capture module with interface to provide 'real time' storage of live video on the systems hard disk drive. A time reference stored to allow access to the video from the observation.</li> </ul>



	<ul style="list-style-type: none"> <li>• The file naming conventions for the video files is customizable with a naming template. The video file names are automatically generated to avoid name duplication.</li> <li>• Has the ability to store the compressed video files in the industry standard MPEG1 and/or optional MPEG2 format and be transferable with the inspection database by CD-R media, DVD media and/or removable hard drives to an external personal computer.</li> <li>• The user has the option to view the video in full-screen mode.</li> <li>• System has the ability to write/save a minimum of 45 minutes of video to the CDR.</li> <li>• System has the ability to write/save 12 hours of video to an optional DVD with pipeline data observation information.</li> </ul>
<p><b>DataBase</b></p>	<ul style="list-style-type: none"> <li>• The system software operates on MS Windows 2000/Windows XP.</li> <li>• The system software uses Microsoft Jet Engine 4.0 files, Microsoft Access, or an OLE DB database, such as Oracle or Microsoft SQL Server.</li> <li>• The database structure retains information on the various structures found within a sewer or storm system. It is important that the structures, nodes, manholes and pipe identifiers and related attribute information be retained as separate tables from the Inspection allowing import of existing data from multiple sources.</li> <li>• The data structure allows different projects to reside within a single database. Information gathered in projects shall be available to view by project or by system. Data gathered during project inspection shall be available to view by the selected structure. Therefore, all inspections can be viewed on a structure even if gathered in different projects.</li> <li>• Database(s) can be merged by utilizing one of the following “multiple truck configurations”:  <i>Multiple trucks with a centralized enterprise database:</i> the enterprise database housed at the office is partially replicated to each truck’s desktop database. The data obtained during the inspection on the on-board computer’s desktop database is synchronized with other inspections performed by other trucks or with the centralized office database via a burned CD or a network. Analysis and comparison is then made based upon the inspections made by the trucks and those stored in the office database.  <i>Multiple trucks with third party software used in the office:</i> trucks shall be able to synchronize with each other, replicate the desktop database on an office workstation for viewing, and export/import data to/from third-party software through the use of a conversion tool. Third party merging requires connectivity modules and may require an additional custom plug-in, depending on each individual system. The required connection module(s) and custom plug-in shall comprise solely of those necessary to operate the GRANITE XP system in the trucks with the third party software being utilized in the office.</li> </ul>
<p><b>User Interface</b></p>	<ul style="list-style-type: none"> <li>• The user interface, as viewed on the computer monitor, can be set up by the user. A series of “Panels” is available to customize the interface per the user’s preferences. “Panels” are defined as windows containing different views of data and inspections.</li> <li>• The “Panels” included with the system consists of the following: Sewer Main, Inspection, Observation Details, Observation List, Video Playback, Lateral Asset, Lateral Inspection, Lateral Observation, Sewer Node, Sewer Node Inspection, Observation Navigator, Project Navigator, Filters, Still Images, Live Video, Seal &amp; Grout Inspection, Joint &amp; Crack Sealing, and Inclination Survey.</li> <li>• The panels can be synchronized. This means that interacting with the main navigation control affects the display of data in other open panels. Changes to an observation, inspection, asset, project, or filtering criteria display the newly selected properties in all open corresponding panels. To allow the user to select preferences as to which panels to view, each of these panels can be “docked” and/or “floating”. The user has the ability to “dock” the panels side-by-side, place one panel over another, and access each panel through a tab. “Floating” panels shall be able to be positioned anywhere in the application window. There are default common layouts</li> </ul>



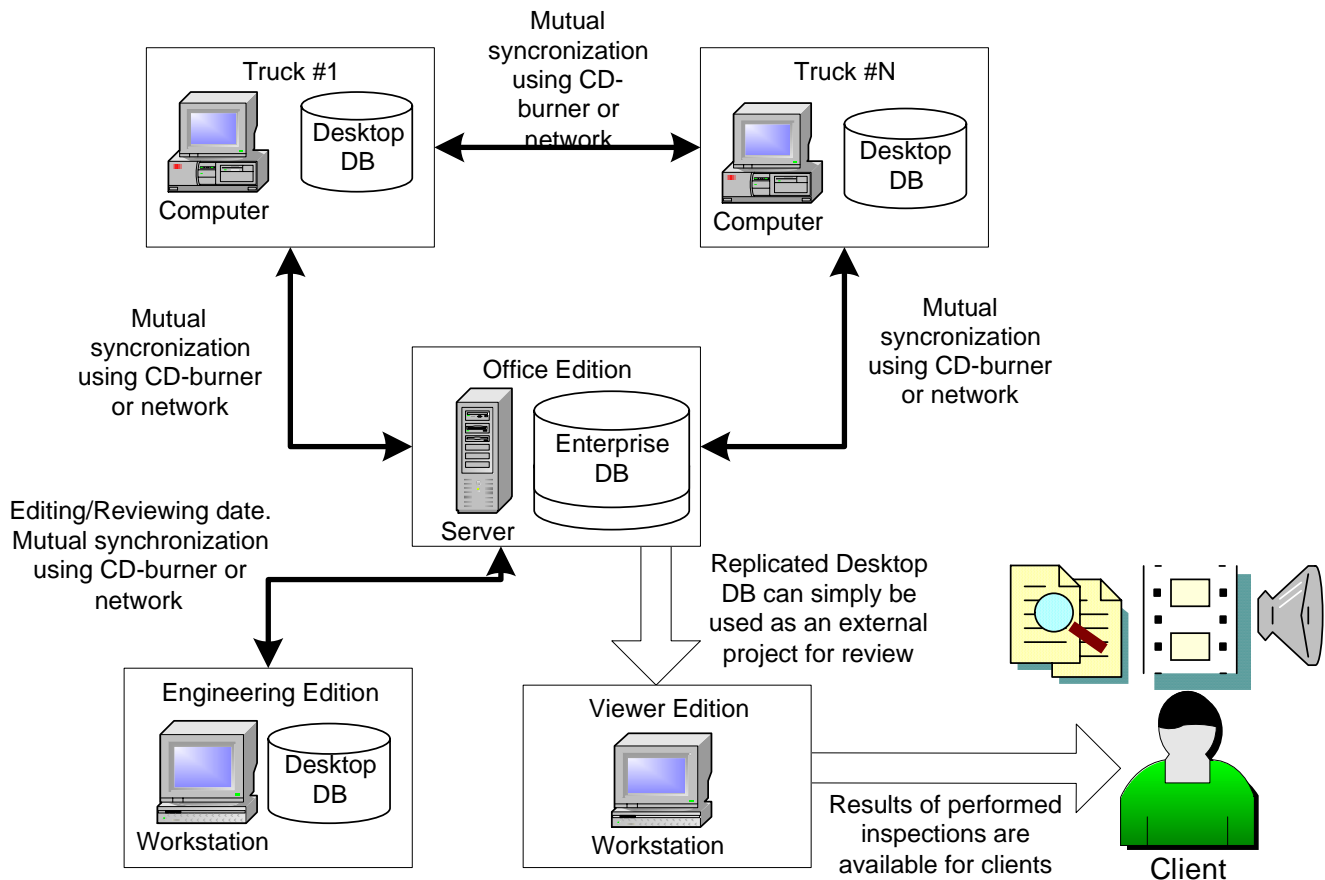
	<p>for use during an inspection and to review information.</p> <ul style="list-style-type: none"> <li>• The user can change the field labels. The module to change labels is part of the system and does not require third party software.</li> <li>• The user is able to define fields and add them to the interface.</li> <li>• The system performs validation on all fields to ensure data integrity. Numeric and/or text fields are verified to ensure the values fit into the corresponding field(s).</li> <li>• A pipe graph is available and the pane viewable during the inspection. The pipe graph shows service connections with a graphic indicating the location of the connection. The user has the ability to control the graphical representation of the observations made during the inspection by selecting any combination of the following features: Connections, Defects, Continuous, Laterals, Informational, and/or Status Bar.</li> <li>• A zoom feature shall be available for the pipe graphic that allows the user to select a portion of the pipe with a mouse and zoom to that specific portion. A grid system shall be provided to display the location of a ‘zoomed’ observation within 10 feet.</li> <li>• The user shall be able to select live video, playback video, and view captured pictures on the screen simultaneously.</li> </ul>
<b>Inspection</b>	<ul style="list-style-type: none"> <li>• The code system is user definable with a code generator included within the program. Codes generated can be individual or developed in a hierarchical system. An Icon can be selected for a code providing easy identification of an observation.</li> <li>• To start an Inspection, the user selects structure, nodes or manhole information already within the database. If the data is not available, the operator enters the correct information and the information is retained in separate tables for future selection. A graph provided for structures shows the direction of entry and exit of mains. The graph shows the direction, ID size and flow of each connection.</li> <li>• The operator collects information on point observations (observation at a single point of the run) or as continuous observations (observations that run for a length of the pipe). Multiple continuous observations can be collected by overlapping or nesting within another continuous observation. Since it may not be known if an observation is going to be point or continuous, the operator can leave an observation open or “pending” and is able to select the observation type after traversing the pipe.</li> <li>• The user can edit completed inspections.</li> <li>• A pane is available to view all of the observations noted in a list. The list contains columns showing the observation code, distance from the entry point, length of continuous defects, Clock/From, Clock To, modifier/severity and rating. The information in this list of observations can be sorted by clicking on the column header.</li> <li>• The system is completely compatible with cameras, transporters, and other inspection equipment manufactured by CUES, Inc.</li> </ul>
<b>Data Filter</b>	<ul style="list-style-type: none"> <li>• The system includes (2) data filters, Simple and Advanced, to restrict the data displayed in the application and reports per the user’s preferences. The results returned by the filters match all specified properties simultaneously.</li> <li>• To aid in locating the correct structure and main upon which to initiate or view an inspection, the user can filter the data by Project, Structure, Inspection Information, Observation Information, and/or defined custom filters.</li> </ul>



<b>Titler</b>	<ul style="list-style-type: none"><li>• A keyboard, mouse, and footage counter provides the interfaces to the Video Character Generator and PDC&amp;PCS controller's Windows program.</li><li>• Camera footage is maintained in real time and shall be displayed on the video monitor as well as the video character generators illuminated footage display at the control console.</li><li>• All other information for titling is sent to the character generator by a serial communication port connection from the system controller.</li></ul>
<b>Printer</b>	<ul style="list-style-type: none"><li>• The desktop, color Ink Jet Printer to interface with the controller parallel printer port.</li><li>• Printer resolution shall be a minimum of 600x300-dpi color. Memory shall be a minimum of 512K.</li></ul>

**NETWORKING TECHNOLOGY/REQUIREMENTS**

Granite XP works on Windows 2000 and Windows XP Professional using a choice of MS Access, MS SQL or Oracle as a backend database. Granite XP supports networking over a LAN using TCP/IP to achieve synchronization of data and integration with 3rd party systems like Hansen; and has been built using Microsoft Visual C++ 7.0 (MFC/OLE DB/DX).



This case shows using Granite XP within a centralized environment. The enterprise database is stored at the office, but it can be replicated to the truck databases and updated there with inspections. After recording the inspections, the trucks can synchronize the resulting data with each other or with the office DB. Then, based upon inspections just made by trucks and the ones stored in the office DB, comparison and analysis can be done. Data is stored per asset, so it is always possible to find all inspections made on the particular asset (mainline, manholes, lateral, etc.). Office users are able to create reports for clients, browse for specific data, make corrections and also (as truck users) add projects, assets and inspections. Office administrators are able to create new project templates (define default values for fields, codes, units that will be used), report templates, manage configuration and security settings of the application. The Engineering Edition of Granite XP can be used for correction and fixing of stored data. This Edition doesn't allow users to add data other than observations, but allows them to modify what is already stored.

**SUPPORTED PLATFORMS**

**Software Platforms**

<b>Operating Systems</b>	<b>Version</b>	<b>Comments</b>
Microsoft Windows	2000 Professional	
Microsoft Windows	XP Professional	
<b>Mail Clients</b>	<b>Version</b>	<b>Comments</b>
MS Outlook	2000	
MS Outlook	XP	

**OS/Browsers**

Microsoft Internet Explorer	6.0
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**Server Platforms**

<b>Database</b>	<b>Version</b>	<b>Comments</b>
Microsoft Jet	4.0	Access 2000 format
Microsoft SQL Server	7.0	
Microsoft SQL Server	2000	
Oracle	8i (8.1.7)	
Oracle	9i	

**Desktop Hardware Platforms**

CPU: Intel Pentium III 1000 MHz or higher  
RAM: 256 Mb or more  
HDD: >10Gb of linearly allocated free space for capturing  
Video Capture Device: VITEC (h/w compression will be supported), evaluated DX-enabled video capturing card; or Plextor ConvertX USB external capture device (USB 2.0 port required)  
Serial RS-232 port for Titler interface  
CD/DVD burner – Nero CD burning software version 5.5.10.33 or higher

**Laptop Hardware Platforms**

CPU: Intel Pentium III 1000 Mhz or higher  
RAM: 256 Mb or more  
HDD: >10Gb of linearly allocated free space for capturing  
Video Capture Device: Plextor ConvertX USB external capture device  
USB 2.0 port required)  
Serial RS-232 port for Titler interface  
1024 x 768 Hi color video screen resolution  
CD/DVD burner – Nero CD burning software version 5.5.10.33 or higher



## WARRANTY AND SUPPORT

All software packages included in this proposal include the Basic 1 Year Support Plan as outlined below.

### Software Support Agreement Options

The CUES Software Division offers comprehensive support services to fit your needs and budget. CUES Inc. is committed to helping you get the maximum performance and benefit from your software and hardware investments. This document describes the software support programs offered by the CUES Software Division. Software support is provided in three categories based upon the customers support needs.

#### 90 Day Support Plan

When a customer purchases Granite XP (also referred to as GXP) from CUES, they automatically receive the “90 Day” Support Plan for a period of 90 days following the delivery of the software. This period begins when the software has been installed, activated and the end users trained on the operation of the software. The 90 Day Support Plan is offered to Granite XP-trained end-users only. These end-users will have completed a training program from a CUES representative. All customer information and contact information will be verified upon receipt of all support calls to the CUES Help Desk.

#### Basic 1 Year Support Plan

Customers who experience frequent employee turnover or have multiple crews should at least have the Basic 1 Year Support Plan to ensure productivity and up-time in the field. The CUES Help Desk provides the following services under this plan:

- Telephone support Monday through Friday, 8 AM to 5 PM EST
- Email and Fax support via [gxpsupport@CUESinc.com](mailto:gxpsupport@CUESinc.com) or via fax at 1-407-425-1569
- Ongoing software maintenance Release Updates available online for download including the latest technical documentation (CD-ROM updates can be shipped overnight at a cost of \$50 each or regular mail at \$25 each).
- Discounts on software upgrades to new versions (such as moving from v2.0 to v3.0)
- Training CD-ROM’s covering the base application and any standard modules are available for download or viewing online. (CD-ROM trainings can be shipped overnight at a cost of \$50 each or regular mail at \$25 each).

\*Certain elements of the support plans require the customer to have internet access

\*\* CUES reserves the right to determine that a particular technical issue may be caused by a Third Party software vendor, which could require, for example, advanced database administration. In such cases, CUES may escalate this issue to one of its professional services resources at an additional fee structure or refer the issue to the Third Party software vendor for resolution.

Time period: 1 year, renewed annually

Cost: \$850 per Inspection Edition and, or Office Version

## Enhanced Support Plan

Includes all of the services in the Basic 1 Year Support Plan including the following:

- Remote Online Technical Support
- Access to online support services including FAQ's, The CUES Knowledge Base, User Forums and downloads.
- Access to pre-scheduled online training sessions that cover the base product as well as advanced user concepts and best practices.
- Higher discounts on version upgrades and additional modules and systems.
- Customization services via an online interactive technical support team.

Time period: 1 year, renewed annually

Cost: \$1,400 per Inspection Edition and, or Office Version

\* CUES reserves the right to determine that a particular technical issue may be caused by a Third Party software vendor, which could require, for example, advanced database administration. In such cases, CUES may escalate this issue to one of its professional services resources at an additional fee structure or refer the issue to the Third Party software vendor for resolution.

## Per Incident Support

Customers who do not utilize a full support plan have the option to purchase support on an as-needed, 'pay-as-you-go' basis.

Billing: Must be pre-paid via credit card upon initiation of a trouble ticket via telephone.

Cost: \$50 minimum charge per call for the first hour and \$25/hour thereafter for the same incident.

## Definitions

**Maintenance Release Updates:** These are standard releases available for free via an online download. These updates would be generally point releases of the main software release and usually contain bug fixes to known issues as well as minor enhancements to the application.

**Software Upgrade Releases:** These are standard version releases of the software that contain major enhancements and new functionality added to the software.

**Transferability of Support Agreements:** Support agreements are not transferable between customers unless specific written authorization has been obtained in advance from CUES Inc. and the CUES Software Division. If the customer purchased Granite XP through a channel vendor, an initial setup fee may be charged or training by a CUES representative may be necessary in order to receive support.

**Software Purchase Cost:** Refers to the list price of the base software as well as any additional standard modules and add-on's.

**Third party Software/Hardware:** Due to the high variety and differing quality standards we cannot guarantee that a support issue caused by a third party software or hardware installed by the customer on a GXP system can be resolved.

## Appendix A – CUES Software License Agreement

**IF YOU DO NOT AGREE WITH THESE TERMS AND CONDITIONS, DO NOT INSTALL THE SOFTWARE AND MUST REMOVE ANY COPIES OF THE SOFTWARE ALREADY INSTALLED.**

### 1. USE

You (an entity or a person) may use CUES Granite XP (the "Software"), on a stand alone computer, in the quantity purchased, if you meet the following conditions. In addition you may make one (1) archival copy of the Software.

#### STANDALONE COMPUTER USE:

You must acquire one copy of the Software for each computer on which the Software will be installed. You may not use the applications on more than one computer.

#### SHARED NETWORK USE:

You may use the Software on a network provided you have purchased Software equal to the maximum number of copies in use at any time. Software is "in use" on a computer when it is resident in memory (i.e. RAM) or when executable and other files are installed on the hard drive or other storage device. Software which is stored on a server and not resident in memory on that machine is not considered "in use."

#### MULTIPLE COPIES:

The CUES Granite XP software is licensed for one installation on one computer. If you load the software on a second computer you must contact CUES to purchase an additional license and obtain an authorization code.

#### EXCEPTIONS:

You, having purchased at least one (1) copy of the Granite XP software, are currently authorized to make unlimited copies of the Read-Only Granite XP Viewer software to be freely distributed. Also, each copy of the Read-Only Granite XP Viewer software can be installed an unlimited number of times in as many computers. This privilege is subject to change without notice.

### 2. RESTRICTIONS

Except as expressly provided in Section 1, you may not alter, merge, modify or adapt the Software in any way including reverse engineering, disassembling or decompiling. You may not sell, distribute, loan, rent, lease, license or otherwise transfer the Software or any copy; except, you may permanently transfer the Software (including all prior versions) provided you transfer the Software Agreement and all documentation and media and you do not retain any copies. If you acquired the Software preloaded on a computer as part of your purchase of the computer ("OEM Software"), then you may not transfer such OEM Software (or any accompanying disks) for value separately from the computer.

If you are using the Software in any country in the European Community, the prohibition against altering, merging, modifying or adapting the Software does not affect your rights under any legislation implementing the E.C. Council



Directive on the Legal Protection of Computer Programs. If you seek interface information within the meaning of Article 6.1.b of that Directive, you should initially approach the Customer Service Department, CUES, 3600 Rio Vista Ave. Orlando, FL 32805, United States of America.

### 3. INTELLECTUAL PROPERTY RIGHTS

All intellectual property rights in the Software and user documentation are owned by CUES and are protected by applicable intellectual property laws (including patent, trademark and copyright laws) and international treaty provisions. CUES retains all rights not expressly granted.

### 4. LIMITATION OF LIABILITY

Because software is inherently complex and may not be completely free of errors, it is your responsibility to verify your work and to make backup copies. In no event will CUES or any of its licensors be liable for indirect, special, incidental, tort, economic, cover or consequential damages arising out of the use of or inability to use CUES (or any of its licensors') products or services, including, without limitation, damages or costs relating to the loss of profits, business, goodwill, data or computer programs, even if advised of the possibility of such damages. In no case shall CUES or any its licensors' liability exceed the amount paid by you for the Software out of which such claim arose.

This limitation on monetary damages will not apply to claims relating to death or personal injury, which arise out of products deemed to be consumer goods under applicable law. Some states, provinces and other jurisdictions do not allow the exclusion or limitation of implied warranties or limitation of liability for incidental or consequential damages, so the above exclusion or limitation may not apply to you. However, in appropriate jurisdictions, CUES limits its liability, according to the terms of this Agreement, to the extent permissible at law.

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## Specifications

7791. For customers in all other countries: Please call 1-407-849-0190 or call or write your local CUES sales office.

## **STANDARD 1 YEAR WARRANTY**

### **CUES STANDARD HARDWARE WARRANTY**

CUES ("CUES") warrants that all parts, components, and equipment manufactured by CUES shall be free from defects in material and workmanship under normal use and service for which it was intended for a period of twelve (12) months from the date of shipment of materials by CUES to the purchaser. CUES' obligation under this warranty is limited, at CUES' option, to replacing or repairing, free of charge, any defective materials returned, freight prepaid, to the CUES designated service facility. For all warranty claims, the materials must be returned in accordance with CUES Material Return Policy.

Major items of equipment, such as vehicles, generators, etc., furnished, but not manufactured by CUES, will be covered only under the warranty of the third party manufacturer of such equipment. Expendable parts, such as light bulbs, fuses, connectors, etc., are excluded from this warranty.

Purchaser must notify CUES of a breach of warranty not later than the last day of the warranty period; otherwise, such claims shall be deemed waived.

CUES does not warrant the materials to meet the requirements of the safety codes of any federal, state, municipal or other governmental or administrative jurisdiction. Purchaser assumes all risk and liability whatsoever resulting from the use of its products, whether used singly or in combination with other products, machines or equipment.

This Warranty shall not apply to any materials, or parts thereof, which have; (a) been repaired or altered by anyone other than CUES without CUES' written consent; (b) been subject to misuse, abuse, negligence, accident, or damage; (c) not been installed or operated in accordance with CUES' printed instructions, or; (d) been operated under conditions exceeding or more severe than those set forth in the specifications of design tolerance of the equipment.

**THIS WARRANTY AND THE OBLIGATION AND LIABILITIES OF CUES HEREUNDER ARE EXCLUSIVE AND IN LIEU OF (AND PURCHASER HEREBY WAIVES) ALL OTHER WARRANTIES, GUARANTEES, REPRESENTATIONS, OBLIGATIONS, OR LIABILITIES, EXPRESSED OR IMPLIED, ARISING BY LAW OR OTHERWISE, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDLESS WHETHER OR NOT OCCASIONED BY CUES' NEGLIGENCE.**

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CUES neither assumes nor authorizes any person (including employees, agents, or representatives of CUES) to assume for it any other liability, guarantee, or warranty in connection with the sale or use of the materials, and no oral agreements, warranties, or understandings exist collateral to or affecting this warranty.

This warranty shall not be extended, altered, modified, or waived except by a written instrument signed by CUES.

## **OPTIONAL 3 YEAR WARRANTY**

### **CUES STANDARD 36 MONTH HARDWARE WARRANTY**

CUES ("CUES") warrants that all parts, components, and equipment manufactured by CUES shall be free from defects in material and workmanship under normal use and service for which it was intended for a period of thirty six (36) months from the date of shipment of materials by CUES to the purchaser. CUES' obligation under this warranty is limited, at CUES' option, to replacing or repairing, free of charge, F.O.B. CUES' service facility, any defective materials. For all warranty claims, the materials must be returned in accordance with CUES Material Return Policy; freight, duties, and insurance prepaid to a place designated by CUES. CUES will provide a thirty six (36) month warranty on the Camera and Power Control Unit.

Major items of equipment, such as vehicles, generators, etc., furnished, but not manufactured by CUES, will be covered only under the warranty of the third party manufacturer of such equipment. Expendable parts, such as light bulbs, fuses, connectors, etc., are excluded from this warranty.

Purchaser must notify CUES of a breach of warranty not later than the last day of the warranty period; otherwise, such claims shall be deemed waived.

CUES does not warrant the materials to meet the requirements of the safety codes of any federal, state, municipal or other governmental or administrative jurisdiction. Purchaser assumes all risk and liability whatsoever resulting from the use of its products, whether used singly or in combination with other products, machines or equipment.

This Warranty shall not apply to any materials, or parts thereof, which have; (a) been repaired or altered by anyone other than CUES without CUES' written consent; (b) been subject to misuse, abuse, negligence, accident, or damage; (c) not been installed or operated in accordance with CUES' printed instructions, or; (d) been operated under conditions exceeding or more severe than those set forth in the specifications of design tolerance of the equipment.

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CUES neither assumes nor authorizes any person (including employees, agents, or representatives of CUES) to assume for it any other liability, guarantee, or warranty in connection with the sale or use of the materials, and no oral agreements, warranties, or understandings exist collateral to or affecting this warranty.

This warranty shall not be extended, altered, modified, or waived except by a written instrument signed by CUES.