

## NEW FEATURES IN gINT VERSION 8

gINT Version 8 has over 100 new features in the following areas:

### Data Design

Feature	Levels*	Description
Caption property value changes object selector display	All	If at least one record has a value in the Caption property, the object selector list displays a column for Caption, in addition to Name, Date, and Description.
Cell Color option	All	You can set the background color for non-required, non-read-only fields in Input and Data Design.
Filling in empty parent records	All	In tables that have two keys for their Key Set property (for example, PointID,Depth), two additional properties appear on the Table properties dialog box. Create missing records on Import Create missing records in Input (1-1 only)
Group Name drop-down option	All	Displays a list of all groups currently defined in the database. To define a new group for the current table, type the name in the <b>New Group</b> field.
"Group Separator" property of component description library tables	All	Groups the preceding components, up to the last group separator, into one group with a final separator.
Library table key field data types	All	Library table key fields can now have any of the following data types: Currency Date/Time Double Integer Long Single Text (default) Previously only Text was supported.
Lookup list field association	All	Lookups may now be associated with any of the following field types: Currency Double Integer Long Single Text Previously lookups could only be assigned to Text fields.
One-to-one split screen child	All	One-to-one child tables may now be selected as a split screen child of its parent. Previously, only one-to-many child tables could be selected.



Feature	Levels*	Description
Position graphic lookup type	All	The new Graphic lookup type called Position allows you to set posting positions for data on graph and site map reports.
Rules for Date/Time fields	All	The Field Rules dialog box for Date/Time type fields contains three options: Date and Time, Date Only, and Time Only.
Set Empty Sources to <<Omit>> button on the Correspondence Files tab	All	If clicked, all Default Source Table values that are not assigned are set to <<Omit>>. Only enabled in grid mode.
Tables > Point Sort Field menu option	All	Enabled (in Input and Output) when the Point table is the currently selected table. It inserts or removes a system field named GintPointSort which will sort the PointIDs by the contents of this field.
User-defined project-level tables	All	User-defined project-level tables can be created from Input within a project database.

## Functions

Feature	Levels*	Description
DateAdd	All	Allows you to add an interval of time to a specified date and returns the new date.
FormatDualDates	All	Formats a date range and eliminates duplicated parts of the resultant range.
GraphValue	Pro	The first argument of the GraphValue function can now support return of values from multiple plot sets on a graph.
Special use of SqlRange	Pro	SqlRange now supports extraction of data from specific plot sets on a graph.
UnionKeys	All	Used in correspondence files when you are importing from a non-gINT source (csv, xls, mdb) and the table group has multiple source tables.

## General

Feature	Levels*	Description
Access to manuals	All	The <b>Manuals</b> button on the opening screen brings up the list of PDF documents in the gINT docs folder.
Context menu in text boxes for expressions	All	In text boxes that allow you to write expressions, when you right-click a context menu is displayed.



Feature	Levels*	Description
Copy & paste grid cells	All	In grid screens you can copy and paste cells between gINT and Excel®, or Word (as a table).
Create new project at opening screen	All	A project may be started in the opening screen.
European numeric formatting with Format functions" property	All	Changes the formatting of numeric data using the Format and FormatSci functions to use the European decimal (",") and thousands separator (".").
File > Library List menu option	All	Returns a list of all gINT libraries contained in folders that had been accessed previously in gINT by the workstation.
Help > Manuals menu option	All	Brings up the list of PDF documents in the gINT docs folder.
Multiple WAN license servers	All	Multiple WAN servers can be specified and the program will search each for an available license.
New shortcuts	All	CTRL+F5 = Zoom Extent (giDraw) SHIFT+F5 = Zoom Previous (giDraw) ALT+F5 = Zoom Paper Outline (giDraw) F8 = Application properties dialog Ctrl+F8 = Application list dialog
Program prompts to save data	All	In the prompt to save message box, if you click the Don't <b>show again</b> option, the program no longer prompts, but saves automatically.
Web interface	All	Any file or Web page that can be displayed in a Web browser can be seen in a window on the opening screen.

## giDraw Application

Feature	Levels*	Description
Copy/cut selected entities to buffer using the Select Entities command	All	Selected entities can be copied or cut to the buffer using the Select Entities command in giDraw apps.
Floating toolbox	All	The giDraw toolbox can now be floating and can be dragged to any of the five positions (top, left, bottom, right, floating) with the mouse.
Polyline Fill & Line Type Display menu option	All	If checked, polyline entities will display their actual line types and main fill while in design view.
Print Order recognized at design time.	All	The Print Order property of entities is now recognized at design-time.
Scroll bars added to giDraw applications	All	The 2% and 20% scroll buttons in giDraw have been replaced with scroll bars.



## gINT Rules

Feature	Levels*	Description
Before Command System oddt	Logs+, Pro	Allows you to specify a gINT Rule that is to be run before any command is executed.
CancelChanges property	Logs+, Pro	If set to True the current screen's data reverts to the last saved configuration.
CancelCommand property	Logs+, Pro	Forces the current command to be cancelled.
CurrentApplication property of the gINTRules object	Logs+, Pro	This returns the current application when running code in the Before Command system oddt.
CurrentCommand property	Logs+, Pro	Returns the command identifier for the current command.
ExecuteProgram method of the gINTRules object	Logs+, Pro	Launches a program and optionally passes a file name to open by the program.
GintConfig.HideApplication property	Logs+, Pro	Hides the specified gINT application.
GintConfig.HideGroup property	Logs+, Pro	Hides the specified gINT application group.
GintConfig.UserName property	Logs+, Pro	Returns the name of the user currently logged onto the workstation.
GridData.FirstVisibleFieldPs property	Logs+, Pro	Returns the field position of the first field that is visible in the current grid.
<b>Help</b> button added to Code Tab	Logs+, Pro	A <b>Help</b> button was added to the Code tab of the gINT Rules dialog box.
HideTable method of the gINTRules.GridData object	Logs+, Pro	Hides or unhides a specified table in the current project.
LibraryFile property of the gINTRules.GintConfig object	Logs+, Pro	Returns the full path and file name of the current library.
On Library Open System oddt	Logs+, Pro	Allows you to specify a gINT Rule that is to be run on opening a library file.
On Open Project in Input System oddt	Logs+, Pro	Allows writing code that executes on opening a project in Input.
PointInsideArea property	Logs+, Pro	Returns True or False as to whether a specified X,Y coordinate pair fall inside the area defined by the PointInsideArealnit method.
PointInsideArealnit Method	Logs+, Pro	Initializes an area that will be used by the PointInsideArea property to determine if a specified X,Y point is inside the area.



Feature	Levels*	Description
Procedures Button	Logs+, Pro	Generates a list of all the procedures in the currently selected module.
SurfaceZValueFromXY property	Logs+, Pro	Given the name of a project surface and an X,Y coordinate, the Z value on the surface is returned.
UUID property	Logs+, Pro	Returns a Universally Unique Identifier which changes every time the property is called.

## Import/Export

Feature	Levels*	Description
Export in Geopak® GTD format	Logs+, Pro	More complete format than the CSV format for Geopak export.
LogPlot Tadpole support	All	The LogPlot® 2005 "Tadpole" data type is now recognized by gINT and associated data can be imported.
Support for tables with a record count of more than 65k	All	The <b>Export to Excel</b> option in Input now supports tables with more than 64K records.

## Input

Feature	Levels*	Description
Calculating the Friction angle and cohesion in Direct Shear tables	All	The automatic calculation of calculated friction angle and cohesion in the built-in Direct Shear tables in gINT lab testing recalculates the friction angle if the cohesion calculates to less than 0.
Copy and pasting cells between projects in Input	All	Cut or copied rows in INPUT can be pasted into another project and then, on returning to the original project, can be pasted again, if desired.
Input table remembered	All	On leaving Input and returning, control returns to the table that was current when the application was exited.
<b>New &gt; Tables</b> menu option in INPUT	All	The <b>Tables &gt; New</b> menu option in the INPUT application group allows you to add new tables without moving to the Project Database application.
<b>Replicate All Child Data</b> option	All	Performs the replication of all data associated with the currently select PointID. If unchecked, the command only replicates direct dependents of the POINT table. This was the previous behavior.



Feature	Levels*	Description
Resizing the child grid in a split screen	All	In a split screen with a child screen, the child grid can be vertically resized to take up more (or less) of the total screen.
<b>Tables &gt; Last Update Field</b> menu option in Input	All	<b>Tables &gt; Last Update Field</b> menu option allows you to add or remove the Last Update system field from the current table without having to move to the Data Design application.

## Output

Feature	Levels*	Description
<b>Data Statistics</b> option in Text Tables	All	Gives the median for each column that has more than 1 numeric value.
DateTime graph support for logarithmic scales	Pro	DateTime graphs now support a logarithmic scale.
<b>File &gt; Queries</b> menu option in Output	All	Used to run a SQL expression against the currently selected project or projects.
<b>Initial Baseline Distance</b> field in Fences	Pro	Offsets the fence baseline distances.
<b>Multi Project</b> option for all Output formats	All	Multiple projects may be selected for output at one time.
<b>Site Map Only</b> checkbox in Site Maps	All	Forces the output of only the site map. PointID information is not plotted.

## Report Design

Feature	Levels*	Description
<b>Don't Show Page Properties on Screen</b> option for Graphs, Histograms and Site Maps	Pro	Suppresses the display of the data expressions specified in the report properties.
<b>Expand Frame to Fit Scale</b> option for Fences	Pro	Increases the frame width and/or height if scales are specified that require frame expansion. For DXF and gINT drawing file export formats.
<b>Force Lines Through Origin</b> option on Data Representation tab of Graphs	Pro	Affects only the Best Fit options. Gives the options of Never, Only if intercept is negative, and Always.
Foreign PointID Expression property on the Configuration	All	Overrides the PointID that will be used in extracting data for the entity.



Feature	Levels*	Description
tab of Log reports		
GraphicInput system data item for reports	All	Returns -1 (True) if the report is displayed in the Graphic Input View, otherwise returns 0 (False).
Grid Minor tab in report properties	Pro	Allows setting of grid lines or ticks between the major grid lines in Fence, Graph, and Site Map reports.
<b>ID Text Position Expression</b> on Data Representation tab for Graphs and Site Maps	Pro	Allows you to use an expression to specify the data position.
Layer properties	Pro	Properties for the placing of specific elements on named layers in Graph and Site Map reports.
<b>Limits of Curves</b> option from Equations graph report property	Pro	The limits of the curves generated by the Curves from Equations property of the Data Representation tab on the Graph report properties dialog box can now be set. Previously they extended across the full graph range.
<b>Number of Additional Pages Expression</b> in Logs report properties	All	Forces additional pages to print after the log data pages.
Overflow Option list on Data tab for Histograms	Pro	Specifies what to do with data values that are outside the specified data minimum and maximum limits.
Display Report Properties on Graphs, Histograms and Site Maps	Pro	Double-clicking in the data frame displays the properties dialog box.
Background Fill tab on Bar Chart entities for Log and Fence reports	All	Allows you to set background fills and colors that can be hard coded or made variable with expressions. You can also apply an output condition that specifies when the fill is output.
<b>Boundary Depth Expression</b> option on Plot vs Depth entities	All	Expanded capabilities that gives control over plotted values at specified boundaries.
<b>Column Header Height</b> option on Log report Column and Lines tab required value message	All	When creating on column entity, if the report Column Header Height is not defined, a dialog box is displayed prompting you for a <b>Column Header Height</b> value. If a value is not supplied, the column entity drawing command is canceled.
<b>Draw &gt; Shapes &gt; True Rectangle</b> menu option	All	This new entity defines a rectangle with either fixed or variable width and height properties.
<b>Force PointID to Center</b> option of Site Map entities in log reports	All	Forces the current PointID to the center of the site map rectangle.
<b>Site Maps &gt; Zones</b> menu options	All	Allows definitions of zones (closed areas) on a site map. In Output applications you can then filter on specific zones.
<b>Show with No Site Map</b> option on Configuration tab of Site Map entity in Log reports	All	If selected, the site map entity is output odd if no site map exists.



Feature	Levels*	Description
<b>Suppress Horizontal Lines</b> option on the Range Lines tab of Text vs. Depth entities	All	Suppresses the printing of the horizontal lines between ranges. Only the arrows and vertical lines will print.

## Scripts

Feature	Levels*	Description
<b>Execute Program</b> menu option	All	The <b>Execute Program</b> option on the Scripts menu allows you to launch another program or view a file in another program.
Exporting to a RockWorks file using a script	All	The <b>File &gt; Import/Export &gt; Export to RockWorks File</b> command in Input can be executed using a script.
Scripts feature available in multiple applications	All	Scripts can be run from the main menu, Output, Input and Utilities application groups. Previously they could only be executed in Output.

## Site Map

Feature	Levels*	Description
<b>Convert Closed Polyline to Zone</b> menu option	All	Converts a selected closed polyline to a zone entity.
<b>Go to Zone</b> menu option for Site Maps	All	Prompts the user to select a zone using a picklist of all the zones currently defined in the Site Map.
<b>New Zone</b> menu option in Site Maps	All	Inserts a new zone entity on the site map.
Project Data in Site Map	All	Now only shows the tables in the project where data exists for the selected borehole. Previously, all tables were shown whether there were data or not.

## User System Data

Feature	Levels*	Description
Histogram_Median	Pro	Returns the median value of the data reported by the histogram report.
LogContTextTopDepth	All	Is only used by the Text vs Depth and Text vs Depth Column entities in log reports. Returns the top depth of the layer that was continued.





Feature	Levels*	Description
Omit	Logs+, Pro	When used in the <b>Separator</b> field of a component description table in Library Data application of DATA DESIGN omits any separator.
OutputKeys	Pro	Returns the key list of all records that are output in the form <keys1>, <keys2>, and so on.
OutputZoneFilter	All	Returns the zone filter specified at output time in a comma delimited list.
Random	All	Returns a random number between 0 and 1.
RecordNumber	Pro	Returns the record number of the current plot record in Graph reports.
SymbolHeightGTWidth	All	Returns True if the bitmap symbol Height is greater than the Width.
UserName	All	Returns the name of the user currently logged onto the workstation.

## Utilities & More

Feature	Levels*	Description
Hide associated applications	All	This property of the Secure Library command will hide all locked applications in a locked library.
Print Object Lists export functionality	All	You can use the Print Object Lists application in Utilities to export to any of the program's supported export graphic formats.
Grid Spacing	All	Gives the spacing between grid lines in the East and North directions.
Caption column displayed in object selector drop-down	All	If at least one symbol has a value in the Caption field, the object selector list displays a column for "Caption", in addition to "Name," "Date," and "Description."

\*gINT Levels:

- All = gINT Logs, gINT Logs Plus and gINT Professional
- Logs+ = gINT Logs Plus
- Pro = gINT Professional

