



CGM Library

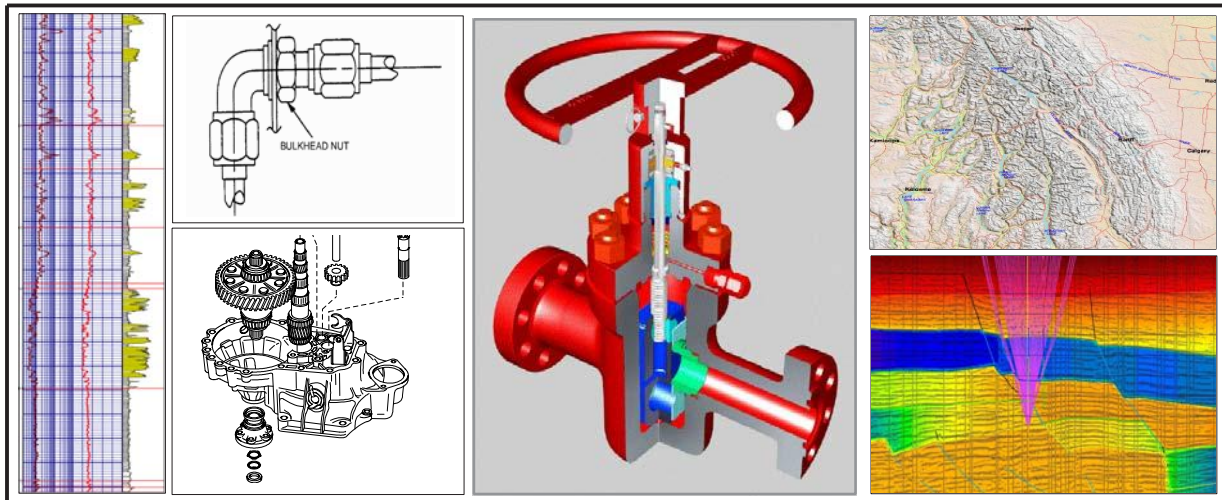
Output Binary CGM Files From Your Application

Computer Graphics Metafiles (CGM) files are an "Open" ISO standard. CGM is an excellent format to implement if your application requires graphic output to be efficient in size, scalable, editable, printable, and Web enabled.

SDI has specialized in CGM technology since 1989, so the CGM Library is the most comprehensive and up-to-date CGM subroutine library on the market today.

CGM Library produces **CGM Versions (1-4)** plus industry specific profiles:

- * **CGM ATA, CGM CALS** for Air Transport, Automotive, & U.S. Government.
- * **CGM PIP, CGM (+)** for Petroleum Exploration.
- * **WebCGM** for World Wide Web Consortium.



CGM Library is a "C" subroutine tool kit containing high-level functions, which enable rapid implementation of CGM output, saving your programmers precious man-hours. Error checking with "hard" and "soft" error codes keep your coding on track for efficient and reliable CGM output.

****** Now available for BOTH C/C++ & Java Applications ******

CGM Library is available on a wide variety of operating systems:

Windows 2000/XP, LINUX, SOLARIS, AIX, HP UX, & IRIX.

Contact SDI for an evaluation



SalesUS@sdicgm.com
1 713-266-5667



SalesUK@sdicgm.com
+011 44-1732-369988



sdibj@sina.com
+011 86 10-5877-2166



CGM Library Features

Output:

ISO CGM Versions (1-4)
CGM+ & CGM PIP
CGM ATA, CGM CALS, & WebCGM

Languages:

"C", "C++" & Java

Functions:

Metafile Open, Begin Picture, Close Metafile, Close All Metafiles, Update VDC Extents, Get Primitive Extents, Get String Metrics, Get VDC Type, Get Color Selection Mode, Get Color Precision, Get Color Index Precision, Get Metafile Version, Print Error.

Control Elements:

Set Auxiliary Color, Set Transparency, Set Clip Rectangle, Set Color Selection Mode, Set Clip Indicator, Set Transparent Cell Color.

Version 1 Elements & Attributes:

Polyline, Disj Poly, Polymarker, Text, Restricted Text, Appended Text, Polygon, Polygon Set, Cell Array, Cell Array Formatted, Rectangle, Circle, Circular Arc 3 Point, Circular Arc 3 Point Close, Circular Arc Center, Circular Arc Center Close, Ellipse, Elliptical Arc, Elliptical Arc Close.

CGM(+) & CGM PIP Extensions:

Seismic Trace, Begin Trace Group, End Trace Group, Set Seismic Trace Attributes, Set Resampling Method, Set Wiggle Line Type Mode, Set VA Fill Color, Set VA Fill Pattern, Set VA Fill Alignment, Set Rectified VA Fill. Set VA Variant Linear, Set VA Fill Variant Table, Set BG Null Color, Set BG Color, Set BG Fill Alignment, Set BG Vairant Linear, Set BG Fill Variant Table, Reference Point, Set Color Blending

Version 2-4 Elements:

Set Color Selection Mode, Set Protection Region Indicator, Set Mitre Limit, New Region, Set Line Cap, Set Line Join, Set Line Type Continuation, Set Line Initial Offset, Set Restricted Text Type, Set Text Score Type, Set Interpolated Interior, Set Edge Cap, Set Edge Join, Set Edge Type Continuation, Set Edge Initial Offset, Set Poly Symbol Color, Set Poly Symbol Library Index, Set Poly Symbol Orientation, Set Poly Symbol Size, Begin Figure, End Figure, Begin Protection Region, End Protection Region, Begin Compound Line, End Compound Line, Begin Tile Array, End Tile Array, Bitonal Tile, Tile, Circular Arc Center R, Connecting Edge, Hyperbolic Arc, Non-Uniform B-Spline, Non-Uniform Rational B-Spline, Parabolic Arc, PolyBezier, PolySymbol, Working Directory, Begin Application Structure, Begin Application Structure Body, End Application Structure, Application Structure Attribute, Application Structure Attribute SDR Array.

Integer Precision: 16 & 32 bit.
VDC Type: Integers & Real.
VDC Real Precision: 32 bit IEEE Floating Point,
32 bit Fixed.
Index Precision: 16 bit.

Real Precision: 32 bit IEEE floating. point.
VDC Integer Precision: 16 bit & 32 bit.
Color Precision: 8 bit & 16 bit triplets.
Color Index Precision: 8 & 16 bit.
Color Selection Mode: indexed & direct.
Scaling Mode: abstract & metric.