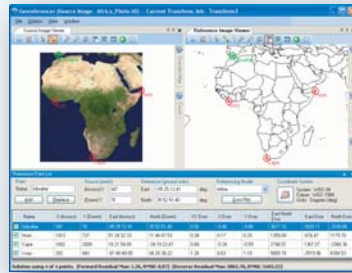
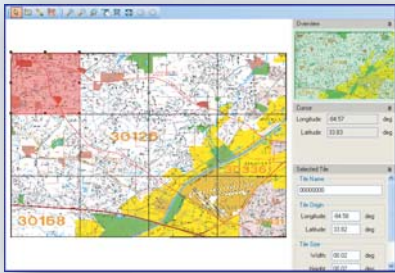


GEOTRANSFORM DEVELOPER TOOL

Include Image Reproduction Functionality in Your Project

POWERFUL, RELIABLE, ACCURATE AND FAST!

It couldn't be simpler to use the industry leading reprojection and transformation tool. Just think of the cost and hassle of reinventing the wheel! GeoTransform is a fully object-oriented Class Library for software programmers using Visual Studio and other Windows development tools that will save your company time-to-market and production costs.



THE MOST COMPREHENSIVE DATA SOURCE AVAILABLE

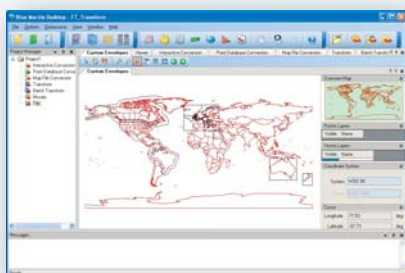
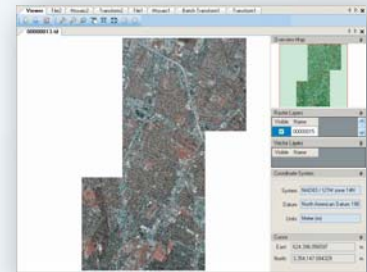
- XML Based
- Over 3500 pre-defined projected coordinate systems
- Over 1200 datum shifts
- Over 400 horizontal datums
- Over 80 various unit definitions
- A dozen vertical datums (necessary for LiDAR transformations)
- Full matches to ESRI, MapInfo, Autodesk and many more
- Define your own coordinate systems!

TECHNICAL SUPPORT

Annual subscription covers your development kit all year long!

ENABLES ACCURATE AND POWERFUL RASTER FORMAT, REPROJECTION AND RESAMPLING SUPPORT

- Support for larger LAS transformation and rendering
- Reads coordinate system and geospatial object definitions from GML, WKT, and WKB
- Supports read and write of dozens of industry standard raster formats including ESRI, MapInfo, MrSID, Jpeg 2000, DEMs, DTEDs, and much more.
- Share data between GeoTransform and GeoCalc applications.
- Includes image resampling methods such as nearest neighbor, bilinear interpolation, and cubic convolution.
- Create referencing, raster transformation, reprojection, image tiling, mosaicking and compression in your application.
- Enhanced clipping code allows you to manage, manipulate, and process large datasets like never before.



PROGRAMMATIC CAPABILITIES

Reference file coordinate conversion on the reference file itself. Re-reference programmatically to convert the reference to a new coordinate system without doing a transform of the image. Clip to polygon output write for Shape files. You can use a shape file to define a polygon area definition for the output of the raster transformation. These shape files must have only one polygon in it. There is now also projection recovery technology to find lost projection information within your data.

FLEXIBLE DISTRIBUTION LICENSING

Our business model provides the flexibility that you demand. Developers must complete a simple, two-page License Agreement specifying the deployment of their application to end users. License fees quotes are based on how your software is installed and used. Internal applications, commercial products, web-based solutions are all available. Contact us for details!

ORDER TODAY:

You can order and download GeoTransform from our website at WWW.BLUEMARBLEGEO.COM
Or call: 207.582.6747 800.616.2725 (U.S. & CANADA ONLY)



BLUE MARBLE GEOGRAPHICS

WHERE GIS DATA CONVERSION SOLUTIONS ARE BORN

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800.616.2725 / +1.207.582.6747 / FAX: 207.582.7001
44° 13' 49.50" N, 69° 46' 32" W, WGS84

WWW.BLUEMARBLEGEO.COM

FEATURES

KEY FEATURES

- High Accuracy Raster Image Transformation
- Support for all major Geo-Referencing formats
- Support for larger LAS transformation and rendering
- New code for reading coordinate system and geospatial object definitions from GML, WKT, and WKB
- Projection Recovery technology
- Pixel by Pixel Image Transformation
- Improved Coordinate System Reading and Writing for ESRI, and ERMapper Coordinate System Definitions.
- Interoperability Components Allow Sharing Data Between GeoTransform and GeoCalc Applications.
- Enhanced Image Clipping Code.
- Raster Rendering to an Hwnd for Supported Formats.
- Build Powerful Processing and Analysis Tools
- Raster Mosaicking, Tiling and Clipping
- Comprehensive Coordinate System Support
- Support of PRJ, WKT, MAP, and TAB Files
- Fully Object Oriented and Open Architecture

WHAT'S INSIDE

IMAGE TRANSFORMATION MODELS

- Affine (minimum three points)
- 1st Order Polynomial (minimum four points)
- 2nd Order Polynomial (minimum six points)
- 3rd Order Polynomial (minimum ten points)
- 4th Order Polynomial (minimum fifteen points)
- 5th Order Polynomial (minimum twenty-one points)

DATUM TRANSFORMATION METHODS

22 Datum Shift Methods such as 7 parameter (coordinate frame rotation or position vector rotation), Moledensky Badekas 10 parameter, NTV2, HARN, etc.

DATA FILE FORMATS

SUPPORT INPUT IMAGE FILE FORMATS

- ARC Digitized Raster Graphics (*.img, *.ovr)
- Arc/Info ASCII Grid
- Arc/Info Binary Grid (.adf)
- BIL/HDR Raster Dataset (*.bil)
- Bitmap Files (*.bmp)
- BSB v3 - KAP (*.kap)
- BSQ Files (*.bsq)
- Compressed ARC Digitized Raster Graphics
- Enhanced Compressed Wavelet (*.ecw)
- Graphics Interchange Format (*.gif)
- JPEG & JPEG 2000 (*.jpg, *.jp2)
- LizardTech MrSID (*.sid)
- Military Elevation Data (.dt0, .dt1, .dt2)
- Portable Network Graphics (*.png)
- TIFF and GeoTIFF (*.tif)
- USGS ASCII DEM / CDED (.dem)
- USGS SDTS DEM (*.CATD.DDF)

SUPPORT OUTPUT IMAGE FILE FORMATS

- Arc/Info ASCII Grid
- Bitmap Files (*.bmp)
- Enhanced Compressed Wavelet (*.ecw)
- Graphics Interchange Format (*.gif)
- JPEG & JPEG 2000 (*.jpg, *.jp2)
- Military Elevation Data (.dt0, .dt1, .dt2)
- Portable Network Graphics (*.png)
- TIFF and GeoTIFF (*.tif)
- USGS ASCII DEM / CDED (.dem)

IMAGE REFERENCE FORMATS

- Blue Marble (RSF)
- BIL/HDR Reference Files (.HDR)
- World files (various file extensions)
- MapInfo Raster (TAB)
- ECW Reference File (ERS)
- Internal Referencing (GeoTiff, MrSID, JP2, CADRG, ADRG, DOQQ, etc.)

MAP PROJECTIONS

- Aitoff
- Alaska 27
- Albers Equal Area
- Azimuthal Equal Area
- Azimuthal Equidistant
- Behrmann
- Belgium 72
- Bipolar Oblique Conformal Conic
- Bonne
- Cassini
- Craster Parabolic
- Danish System 34
- Danish System 34 1999
- Double Stereographic
- Eckert I, Eckert II, Eckert III

(continued)

MAP PROJECTIONS

(continued)

- Eckert IV, Eckert V, Eckert VI
- Egysleges Orszagos Vetulet
- Equal Area Cylindrical
- Equidistant Conic
- Equidistant Cylindrical
- European Stereographic
- Fuller
- Gall Stereographic
- Gnomonic
- Goode Homolosine
- Guam 27
- Hammer Aitoff
- Hotine Oblique Mercator
- Hotine Oblique Mercator 1pt
- Hotine Oblique Mercator 1pt Method2
- IMW Polyconic
- Krovak
- Laborde
- Lambert 27
- Lambert Conformal Conic
- Lambert Conformal Conic Extended
- Lambert Tangent
- Loximuthal
- McBryde Thomas Flat Polar Quartic
- Mercator
- Military Grid Reference System
- Miller Cylindrical
- Mollweide
- Natural Earth
- New Zealand Map Grid
- Oblique Area Cylindrical
- Oblique Mercator Azimuth
- Oblique Mercator Two Points
- Orthographic
- Perspective Conic
- Polar Azimuthal Equal Area
- Polar Equidistant
- Polar Stereographic
- Polyconic
- Quartic Authalic
- Robinson
- Sinusoidal
- Space Oblique Mercator
- Stereographic
- Stereographic 70
- Swiss Oblique Mercator
- Tilted Perspective
- Times
- Transverse Mercator
- Transverse Mercator 27
- Transverse Mercator Extended
- Transverse Mercator Snyder
- Transverse Mercator South Oriented
- Two Point Equidistant
- Two Point Fit
- Universal Transverse Mercator
- Van Der Grinten
- Van Der Grinten IV
- V and H
- Vertical Perspective
- Winkel I
- Winkel II
- Winkel Tripel



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