



**BLUE MARBLE
GEOGRAPHICS**
MIND THE GAP BETWEEN WORLD AND MAP®

DTP System

How Global Mapper Software and Support Assists Users to Exceed Cartographic Requirements

BACKGROUND

DTP System was established in 1999 as a printing company, located in Kozenice, Poland. Edward Mich, owner and operator of DTP System, quickly realized the need for high quality maps in the Kozenice area and decided to develop his skills as a cartographer. Already familiar with using and creating quality maps from working as civilian radio operator for the Polish Merchant Fleet, Mich began searching for the best software solution to expand his business.

CHALLENGES

Finding a software solution to meet Mich's cartographic needs was a challenge in the late nineties. Cartography is the study and practice of making maps; combining science, aesthetics, and technique, cartography builds on the premise that reality can be modeled in ways that communicate spatial information effectively. Not only did Mich need a GIS software solution that would produce accurate data and high quality digital maps for printing, but he also needed a software solution that would aid in addressing the fundamental challenges of cartography.

One of the challenges in traditional cartography is finding data pertinent to a theme while generating sensible traits for the features to be mapped. Maps may contain easily recognizable features, such as roads and land masses, or may have a specific audience in mind, using toponyms or changing political boundaries. Representing the terrain on flat media is another challenge, requiring accurate re-projection to effectively represent the 3D object. Finally, once the map's data, traits and other characteristics have been created, additional elements are commonly needed to convey the complete message to its audience. This often requires design software to fine tune symbology, legends and feature styling to easily convey the map's message to the intended audience.

CASE STUDY

overview

INDUSTRY:

DTP System

CUSTOMER PROFILE:

DTP System established in 1999, is located in Kozenice, Poland and owned by Edward Mich

PRODUCT:

Global Mapper

CHALLENGES:

Finding inexpensive GIS software to create maps
Exporting data for high quality printing
Preserving scale and projection

SOLUTION:

Global Mapper provided a low-cost, easy-to-use solution
Technical support assisted DTP with meeting printing requirements

BENEFITS:

Highly accurate maps
Depending on data quality, able to maintain 1/2 m accuracy on paper map
Restructured cartographic workflow and skillset



FROM THE BEGINNING

"I LOVE this software! It has an ingenious approach and philosophy to GIS providing simplicity, elegance, efficiency and effectiveness. No Manuals required at all!"

Edward Mich
Cartographer
DTP System



SOLUTIONS

After a long and intense search for appropriate and user-friendly software, Mich finally discovered Global Mapper v8. He began working with the Global Mapper team to enhance the software, with the goal of meeting specific requirements for cartographic support. Mich needed Global Mapper to generate GeoTIFFs in a scalable format, with the option to create the data in any given resolution (for example, a raster image that is 300 dpi into 25k scale). The Global Mapper team quickly created these enhancements and from that point on DTP System was able to import the scaled TIFF into graphic software as a well-calibrated background. Global Mapper's capabilities and friendly, responsive support was just what DTP System needed for GIS and cartographic work.

Today, DTP is using Global Mapper for much more than just creating backgrounds. The fundamental challenge of finding data is resolved with Global Mapper's access to numerous online data sources, and creating map traits is easy with the many available digitizer tools. Everything from creating 3D shadows, elevation grids, Lat/Lon grid lines, and vector features can be easily created and exported according to Mich.

Global Mapper's extensive capabilities allow DTP System to work on GIS datasets until they are accurately displayed and rendered according to project needs and design goals. The workflow often includes re-projecting the data to effectively display the object. Once the maps data, traits and other characteristics have been created, additional elements are often needed to convey the complete message to its audience. Mich uses CorelDRAW design software to complete the finishing touches. Global Mapper's numerous file formats make this transition successful even if the graphic software is not GIS compatible. Depending on data precision, Mich is able to obtain 1/2 meter precision measured on paper maps, exceeding the requirements for tourist and visitor maps, with both scale and projection well-preserved.



ABOUT THE PRODUCT

Global Mapper is an affordable and easy-to-use GIS application that offers access to an unparalleled variety of spatial datasets and provides just the right level of functionality to satisfy both experienced GIS professionals and beginning users. Equally well-suited as a stand-alone spatial data management tool and as an integral component of an enterprise-wide GIS, Global Mapper is a must-have for anyone who deals with maps or spatial data.

ABOUT BLUE MARBLE GEOGRAPHICS

Trusted by thousands of GIS professionals around the world, Blue Marble Geographics is a leading developer of software products and services for geospatial data conversion and GIS. Pioneering work in geomatics and spatial data conversion quickly established this Maine-based company as a key player in the GIS software field.

Today's professionals turn to Blue Marble for Global Mapper, a low-cost, easy-to-use yet powerful GIS software tool. Blue Marble is known for coordinate conversion and file format expertise and is the developer of The Geographic Calculator, GeoCalc SDK, Global Mapper, LiDAR Module for Global Mapper and the Global Mapper SDK.

THE BOTTOM LINE

"Global Mapper has improved my cartographic workflow and helped restructure my entire company. Today, I continue to be one of Global Mapper's biggest advocates by establishing an educational website for the Polish community."

Edward Mich
Cartographer
DTP System



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