



Software Engineering & Development Group

Tri-Global Software Engineering & Development Group

have combined their Geospatial Systems and Technology expertise and experiences with extensive training and education in Computer Science and Software Engineering in order to successfully turn concepts into market solutions. Our team is involved in the entire life cycle of the software engineering process which allows for much flexibility and adaptation to client needs and requirements. Our project industry scope is as wide as the projects themselves ranging from embedded systems, mobile applications, web-based enterprise data management applications and mobile to server data synchronization tools. Platforms and languages are not a limitation and we are always working with the latest technologies in order to provide the best and most scalable solutions to our clients.

Projects

Digital Supply Chain Management Web (DSCM-Web)

Web based enterprise data management tool synchronizes with client's enterprise database and allows our clients and any other authorized parties to be able to view the entire business process over the internet. This application has the capability to also synchronize with field data collection handhelds over a wireless or phone network. Customizable to suit any industry's needs and business models

- *DSCM-Web Development Environment: ASP.NET, Visual Studio 2003/2005*
- *Database servers: SQL 2000 and SQL 2005*

Digital Supply Chain Management Mobile (DSCM-mobile)

The mobile portion of DSCM is also customizable to suit any industry needs and requirements. Field data collectors can seamlessly synchronize their data with the enterprise database and in minutes field collected data can be viewed on the web.

- *DSCM-mobile Development Environment: .Net Compact Framework, Visual Studio 2003/2005*
- *Database servers: SQL 2000, SQL 2005 and SQL CE*

Staking Buddy for Pocket PC

Partner Software has teamed up with Tri-Global in order to bring to production the Pocket PC version of Partner's "Staking Buddy" application. Staking Buddy is a staking application for Utility Engineers developed for Palm platform handhelds. Now it is available for Pocket PC and Windows Mobile 05 with post processing capabilities for better accuracy.

- *Staking Buddy for Pocket PC Development Environment: .Net Compact Framework, Visual Studio 2003/2005, Trimble GPSPathfinder Tools.*

SiteMapper

SiteMapper is a standalone application for Point, Line and Area Data Collection that writes to SSF files for post-processing.

- *SiteMapper Development Environment: .Net Compact Framework, Visual Studio 2003/2005, Trimble GPS Pathfinder tools.*

ENVMapper

ENVMapper is a customized standalone application for Point, Line and Area Data Collection that writes to SSF files for post-processing targeting environmental industries.

- *ENVMapper Development Environment: .Net Compact Framework, Visual Studio 2003/2005, Trimble GPS Pathfinder tools.*

Remote Camera Management Tools

Embedded Systems project created for our Ortho-imagery Team. This tool provides the user with remote camera management capabilities from a laptop.

- *Development Environment: eMbedded Visual C++ 4.0*



ESRI® ArcPad® Application Builder Projects



BarcodeMapper™

ArcPad customization which integrates a Bluetooth Barcode Scanner with a data-logger enabling the user to collect new barcodes or scan and locate already existing barcodes.

- *BarcodeMapper is developed using ArcPad Application Builder 6.x and 7.0 and can be customized to use any Bluetooth enabled Barcode Scanner.*

ENVMapper

ArcPad customization targeting the environmental industry and facilitating project creation and attribute collection.

- *ENVMapper is developed using ArcPad Application Builder 6.x and 7.0*

UtiliMapper™

ArcPad customization which integrates an electromagnetic locating peripheral manufactured by Radiodetection (models: RD4000 and Pipeline Current Mapper "PCM) with a GPS data-logger enabling the user to seamlessly collect readings from the peripherals for further analysis and processing.

- *UtiliMapper is developed using ArcPad Application Builder 6.x and 7.0*

ArcPad to ASCII for CAD integration

ArcPad customization targeting various industries that use CAD applications. This customization exports and imports to and from ASCII files, in turn facilitating exporting and importing from CAD Applications.

- *ArcPad to ASCII is developed using ArcPad Application Builder 6.x and 7.0*

ESRI® ArcGIS® Tool Projects



Acreage, Square Feet and Square Meters Tool

Customized tool for calculating acres, square feet and square meters.

- *Development Environment: .Net Framework, Visual Studio 2003*

Flat Buffer Tool

Customized tool for flattening the edges after using the Buffer Editing tool supplied with ArcGIS 9

- *Development Environment: .Net Framework, Visual Studio 2003*

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