Specialized GIS

GIS products that extend the core ArcGIS Functionality in the following domains :

- Fleet Routing and Scheduling
- Navigation for Optimized Routing
- Mapping and Charting
- Site Selection and Market Analysis
- Put Your Business Information on a Map
- Data Fusion, Analysis, and Visualization

ArcLogistics

Overview

ArcLogistics is a complete desktop solution for creating optimized routes and solving scheduling problems. Create dynamic routes and schedules that cut fuel costs and improve customer service using ArcLogistics. From a small fleet operation to a large, multiuser environment, **ArcLogistics** provides a quick and significant return on investment.

With **ArcLogistics**, you will:

- Create routes and schedules in less time.
- Meet commitments and improve service.
- Save money, use less fuel, and reduce emissions.

Key Features

ArcLogistics helps you manage your fleet efficiently and reduce your delivery routing costs.

ArcLogistics:

- Prompts you to set vehicle speeds over your street network
- Builds optimized delivery routes based on actual network drive times, not straight-line distances
- Takes into account specialties of vehicles and drivers
- Imports customer orders from any Open Database Connectivity-compliant database
- Geocodes customer addresses
- Outputs route summary reports, detailed and overview maps, street-level directions, driver manifests, and more
- Integrates with automatic vehicle location (AVL), accounting, enterprise resource planning (ERP), and other enterprise technologies

More..

Use and Manage Your Own Street Data

You can now easily use your own street data and other geographic layers in **ArcLogistics 9.3**. including the ability to add geographic data layers and Web services. Organizations can use and manage their own network dataset and locators in **ArcLogistics 9.3**, allowing easier localization and street data management. Street data can be in any ESRI format that contains a network dataset, allowing regional routing in multiple continental areas.

Use advanced Street Data Attributes

Users can take advantage of a more powerful and realistic street dataset for routing. **ArcLogistics 9.3** consumes a network dataset that has the ability to include attributes and functionality for restrictions, impedances, barriers, and speed management.

PARA-TRANSIT Business Rules

ArcLogistics 9.3 includes new routing rules allowing organizations involved in paratransit operations to create efficient routes while honoring specific ridership rules and vehicle capacity constraints.

Model Existing Routes

It is easy to model existing routes in their predefined sequence. People can now set a benchmark of existing routes to gain an accurate snapshot of costs involved in operating their fleet.

Easy-to-use Zones

ArcLogistics 9.3 includes the ability to create or import geographic areas or points to use as route zones. These areas can be tied to routes as hard zones where routes only operate with them, or used as gravity points so that routes tend to operate in that area.

Change Labels

ArcLogistics 9.3 allows you to easily change the labels on 10 specific commonly used property page fields for orders and vehicles, allowing users to better reflect their industries and terminology.

Integration with ESRI Products

ArcLogistics 9.3 integrates easily with other ESRI products. Free sample plug-ins are available to export routing results as a network analysis layer for use in ArcGIS and ArcGIS Network Analyst.

Underlying Technology

ArcLogistics uses ArcGIS Engine as the base technology, along with some network extension components. Routing projects are now stored in a file geodatabase for virtually unlimited capacity. ArcLogistics consumes the VRP solver in network extension to solve routing problems. A network dataset is used for the routing network. Any organization that can generate a network dataset can use it in **ArcLogistics 9.3**.

For further information you can visit ESRI's web site by clicking on the link below:

ESRI - ArcLogistics

ESRI's Mapping and Charting Solutions (PLTS) for ArcGIS

OVERVIEW

People are using **ESRI's Mapping and Charting Solutions (PLTS)** for ArcGIS in all types of organizations to improve their workflows and meet their most challenging mapping and charting needs. **ESRI's Mapping and Charting Solutions (PLTS)** for ArcGIS helps you:

- Immediately begin producing geospatial data and cartographic products while adhering to industry-specific production requirements.
- Streamline data creation and maintenance with in-process, rule-based quality control and automated data validation.
- Produce high-quality, high-volume map products and automate map book and atlas creation.
- Track the status and progress of jobs through their complete life cycles.

PLTS Solutions

ESRI's Mapping and Charting Solutions (PLTS) for ArcGIS is a collection of commercial off-the-shelf solutions that enable your organization to leverage a database-centric approach to efficiently produce geospatial data while adhering to industry-specific production requirements. The **ESRI's Mapping and Charting Solutions (PLTS)** for ArcGIS solutions include:

ESRI Aeronautical Solution

ESRI Aeronautical Solution (PLTS Aeronautical Solution) provides configured models, workflows, and editing business rules that meet aeronautical specifications for producing aeronautical charts.

ESRI Defense Mapping

ESRI Defense Mapping (PLTS Defense Solution) provides quality control, map production, and workflow management tools for creation of military specification-compliant products.

ESRI Nautical Solution

ESRI Nautical Solution (PLTS Nautical Solution) provides tools to streamline database editing, product maintenance, and quality control that supports workflow management and high-volume S57 consistent nautical chart production.

Production Mapping

Production Mapping (PLTS Foundation, Mapping Agency Solution and PLTS MPS Atlas) provides tools for quality control, map production, and workflow management that give you the ability to apply your unique business specifications to rule-based editing. It also provides essential tools for automating quality control and streamlining all stages of data and map production for creation of local, regional, and national topographic map products.

For further information you can visit ESRI's web site by clicking on the link below:

ESRI - ESRI's Mapping and Charting Solutions (PLTS) for ArcGIS