

Xypoint® Mapping Server (XMS), a location-based services platform, enables companies to rapidly develop and deploy web and mobile location service. Xypoint Mapping Server sets the industry standard for speed, scalability, performance and flexibility. It provides an open set of interfaces to easily integrate content, points-of-interest and other custom content.

Xypoint Mapping Server Powers Multiple LBS Applications

The Xypoint® Mapping Server is deployed in support of Web, mobile and client-based applications such as:

- Store locators
- Driving directions
- Maps and routing
- In-vehicle navigation
- Travel services
- Wireless applications
- Call-centers/voice portals
- Directory assistance
- Emergency response
- Logistics

Functionality

Routing: Uses underlying geospatial content combined with state-of-the-art routing algorithms including:

- Turn-by-turn driving direction
- Commercial vehicle and turn restrictions
- Multi-lingual driving directions
- Cross database routing
- “Avoid” eliminates choice of bridges, tolls, or ferries from route
- Dynamic re-routing based on live data feeds
- Customizable explication
- Stopovers and silent stopovers along a route
- “Route Optimization” for shortest driving time
- “Via-points” enable choice of alternative highways, bridges, etc.
- “Link Editing” closes routes due to traffic or construction

Proximity Searches: Searches for specific points-of-interest (POI) around any location and against various data sources:

- Fuzzy search for misspellings and alternate spellings
- Search by category
- Linear or driving distance
- POI's along and on a route

- Display of dynamic POI's such as traffic incidents and weather
- Integrate custom content with content tools
- Custom fields, categories, and data mapping

Traffic Integration: Integration with Xypoint Dynamic Data Server enables advanced traffic functionality:

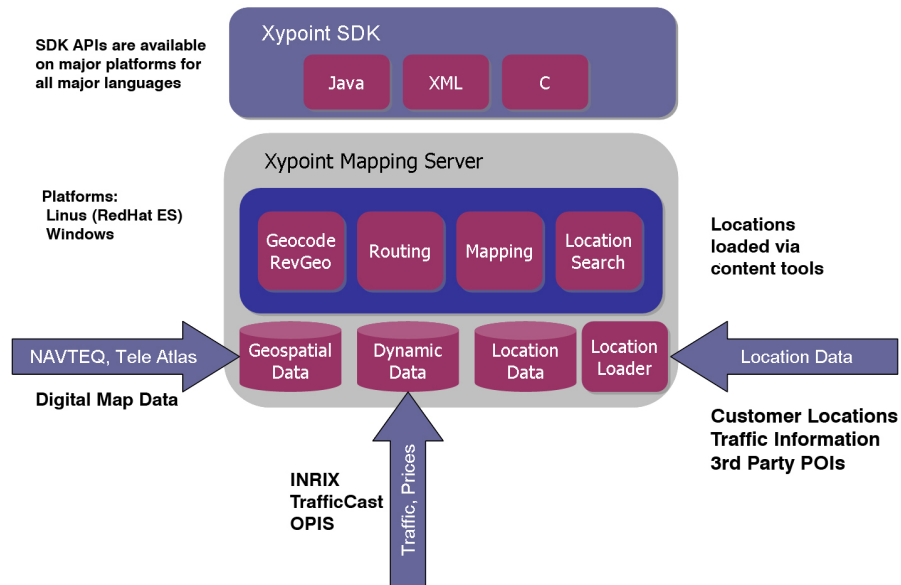
- Incident and speed flow maps
- Incident proximity searches
- Incidents along a route
- Traffic-based routing
- Drive times adjusted for traffic
- Gas Prices

Mapping/Image Display: Generates maps dynamically, allowing for real-time data integration and customization including:

- AJAX Tiled Maps
- Raster maps (GIF, JPG, BMP, PNG)
- Configurable image size
- Multiple image compression options
- Customizable map templates
- Customizable look and feel
- Configurable compression, panning, and zoom



Traffic with AJAX maps



Geocoding: Converting an address to real-world geographic location including:

- Local names for bridges and tunnels
- Ambiguous or incomplete addresses
- Alternate or misspellings
- Phonetic spellings
- Geocoding to bordering cities
- Freeway Exits and Intersections
- “Look-ahead” functionality
- Highway naming semantics
- Street address
- City, State, or Zip Code
- Cross street
- Cardinal and ordinal address
- Alternate modifier placement
- Numeric or alphabetic

Reverse Geocoding: Use of real-world location information derived from an external source, such as GPS, to derive map location and associated street information:

- Street address
- Closest intersection
- Position improvement

Developer Services

SDK: Complete set of developer tools to accelerate time-to-market across multiple environments:

- Sample code
- Concept guides
- XML, Java and C APIs
- Linux & Windows support

Geographic Content Support: Xypoint Mapping Server is pre-integrated with leading data sources and is easily integrated with customer-specific static and dynamic data:

- NAVTEQ North America and Europe
- Tele Atlas North America and Europe
- infoUSA
- VISA ATMs
- INRIX Traffic Data
- TrafficCast Data

Supported Environments:

- Windows
- Red Hat Linux
- Hosted and Managed Services Available

Your Established Partner

TCS provides mission critical wireless data solutions to government customers and carriers, including messaging and location, and enhanced 9-1-1 for public safety. TCS pioneered the world’s first wireless location platform in 1996 and is now a leading provider of location and messaging technologies.

Get Started Now

For more information on the Xypoint Mapping Server, call 1.800.307.9489 or e-mail sales@telecomsys.com. Visit www.telecomsys.com to learn about TCS products and services.



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