

The ChronoX® Routing Engine ActiveX let you add sophisticated road network analysis features into your applications in a very simple way...

Routing
ChronoX® Routing Engine performs from the simplest point to point routing up to more complex searches like best departure retrieval, best arrival retrieval and multiple routings.

Fast accessibility results
Optimize your applications using ChronoX® Routing Engine unique backward routing feature: through only one computation, ChronoX® Routing Engine can figure out the distance or the time from a central point to multiple points located in any direction.

Smart driving instructions



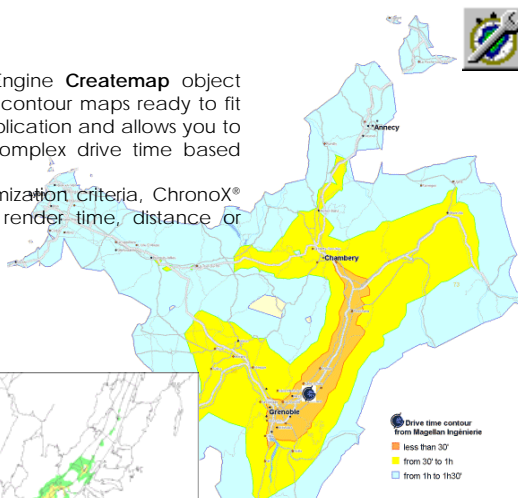
RoadBookBuilder's goal is to provide the end-user with smart and useful driving instructions. It uses a file that contains information on directions (main cities on the itinerary) and translates the object **RouteSections** into driving instructions including time, distance, cost of the travel and the points of interest along the itinerary. If the road databases do not include enough direction information, ChronoX® **NetworkFactory** will compute them for you. ChronoX® Routing Engine can specify direction changes, introduces the proximity concept and has flexible/customizable detail levels. For instance: « Near Guipavas, turn right towards Paris (SaintBrieuc, Rennes) ».

At	Follow	For
0 km	Reach D26	
	Towards Guipavas	1 km
1 km	On your left, Leave D26, Follow on D67	
	Towards Guipavas	3 km
4 km	Straight on, Leave D67, Follow on D13	
	Towards Guipavas	1 km
5 km	Straight on, Leave D13, Follow on D67	
	Towards Guipavas	4 km
9 km	Near Guipavas, Straight on, Leave D67, Follow on N12	
	Towards Paris (Saint-Brieuc) (Rennes)	229 km

Isochrons

ChronoX® Routing Engine **Createmap** object renders high quality contour maps ready to fit in your mapping application and allows you to process the most complex drive time based selection.

Whatever your optimization criteria, ChronoX® Routing Engine will render time, distance or cost contour.



Routing and Isochrons
Display the zones that you can reach in less than 10', 20' or 30' along your itinerary and choose your points of interest.

Let ChronoX® Routing Engine make it fast !

Speed-lightening routing performances when leveraging from the cartographic databases publishers recommendations. For instance, computing a complex routing request going all through a 5 million section network will take less than half a second.

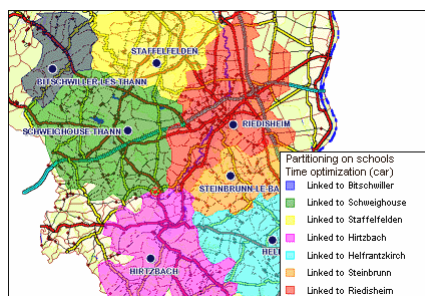
Drive time, Distance and Cost analysis on ANY geographic location



ChronoX® Routing Engine performs **simultaneously** Drive time, Distance and Cost analysis while optimizing one of these criteria. ChronoX® Routing Engine does not limit departure and arrival points to fit nodes in the network: it can use GPS **positioning** or process accurately your geocoded data. ChronoX® Routing Engine lets you specify multiple departure and arrival points (enabling you for instance to identify the best exit and entry between two towns) and retrieve simultaneously drive time for several points anywhere on the map.

Time, Distance and Cost redistricting

State **multiple** departure points and apply redistricting: ChronoX® Routing Engine will identify the potential business area held by each of the points.



The 5 key reasons to choose Magellan Ingénierie development tools

1. Available in development environments that support ActiveX and Java
2. Rich Object Model and fully manageable functions
3. Routing calculation performances
4. Customizable Roadbooks
5. Plug & Play : automatic integration of most of the cartographic databases

