



INTERACTIVE MOBILE INFORMATION SYSTEM

PRODUCT-INFORMATION



Know, where it's at !

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Know, where it's
at !

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System Description

CityGuide Mobile is a mobile navigation and information system without the need for a Global-Positioning-System-Unit. A simple example demonstrates how it is used:



A tourist from abroad is visiting Kaiserslautern on foot and spontaneously decides to have lunch in a restaurant serving indian specialties. With **CityGuide Mobile**, (the application may be downloaded from the cities web pages or terminals free of charge) he just has to take his mobile phone and enter his own position and afterwards the street and house number or the first three letters of his desired destination.

As soon as the user has specified his destination, he will receive a set of directions in form of a text menu or alternatively in form of a map with start- and stop locations that are connected by instructions and waypoints.

Additionally, our visitor has the option to select a suitable routing grid for his route, such as one for pedestrians, for cyclists or accessible.

In contrast to other mobile information systems, **CityGuide Mobile** features several unique attributes, that guarantee a very high acceptance among users and a high quality in available content for the system:

Platform Independence

CityGuide Mobile runs on a large number of mobile devices that support Java MIDP1.0 or higher.

Currentness of Information

All downloaded data originates from centrally administrated servers of the city, thus the information is always official and up to date.

Editorial Ownership

The city itself decides what information to publish. Thus, it is possible to create customized solutions with existing resources.

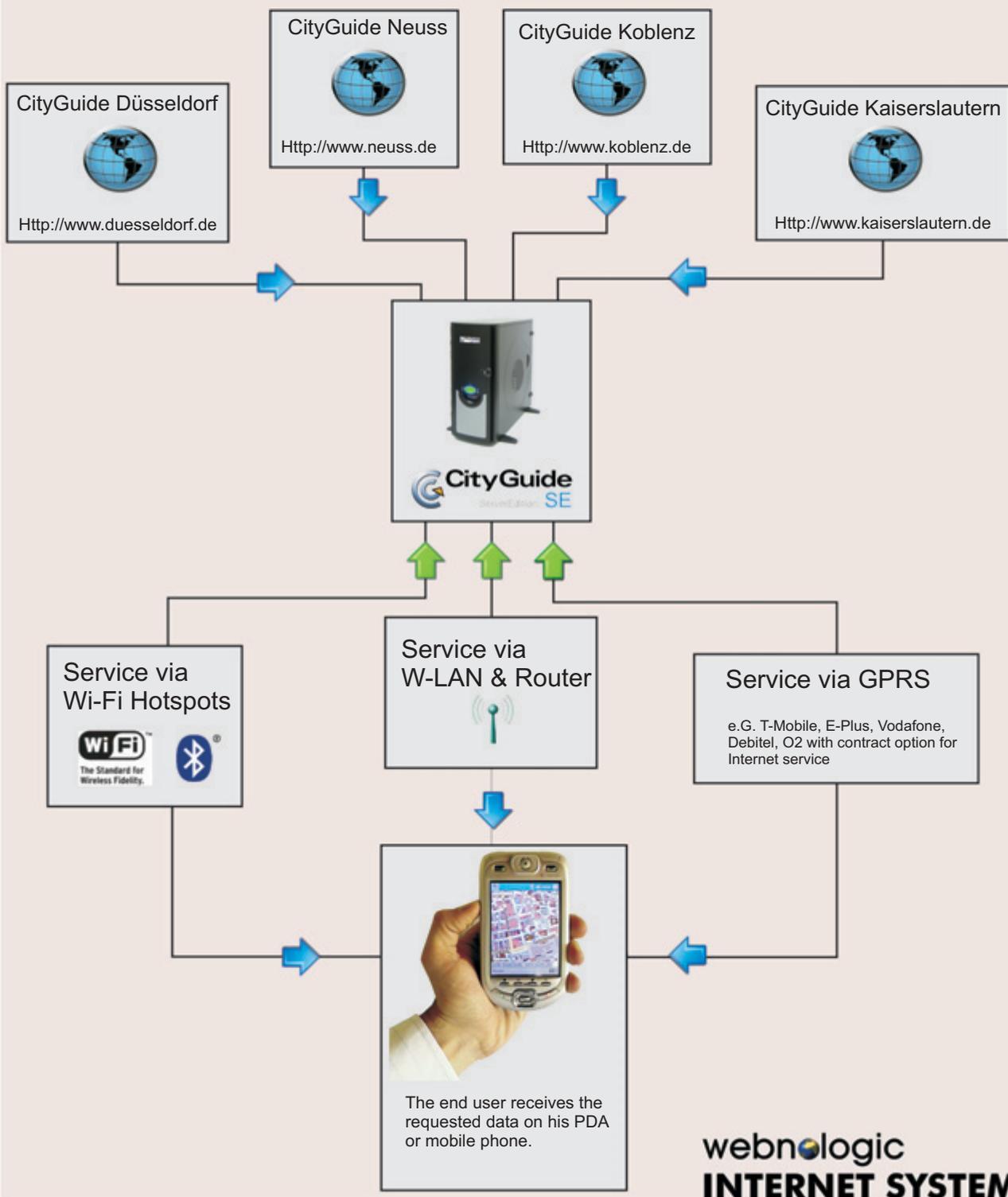
Expense Factor

Use of the system carries only the costs that apply for a connection to the city servers. The mobile application itself and the calculation of routes are free!

System Structure

While active, **CityGuide Mobile** relays information over a dedicated server that accesses data from each of the cities and/or institutions internet-servers in order to make the desired maps and data available to the requesting users.

Exemplary chart of a **CityGuide Mobile** installation ...



Requirements and Installation

To ensure flawless operation of **CityGuide Mobile** it is recommended to meet the following requirements on the mobile device:



-  512 KB Data Memory
-  1024 KB Program Memory
-  Display with at least 256 Colors
-  Display with no less than 140 x 140 Pixel Screen Resolution
-  MIDP 1.0 or higher
-  CLDC 1.0 or higher
-  Support for Socket Protocols
-  Internet Service via GPRS, Wi-Fi or local Network

Installation

The installation consists only of the correct setup of the program-file itself, which currently takes about 80 KB of memory. The software maybe installed in one of three possible ways:



Via OTA (Over the air)

The user opens a certain URL from the WAP-Services menu and is able to download and install the program directly from that location.



Over a PC-connection

The program is copied directly to the mobile device by means of an infrared-connection, Bluetooth, a synchronization software or a serial cable. Quite often, the program is received as a SMS that has to be opened.



From a Memory Card

Some mobile devices support memory cards. The programm can be pre-installed on a memory card and then inserted into the device.

System Operation

The big advantage of a mobile information system such as **CityGuide Mobile** is of course the ability to make use of a city's infrastructure on demand from any location, without any further need for information material, meaning complete independence from time and location. In addition to that the system may be used in several different languages.



After starting the program, a list of available Versions of **CityGuide Mobile** is presented on the screen.

An Internet connection to a server will be initiated once a selection has been made. The list of available versions may vary depending on the application of the software.

After a connection to the internet has been established, the user can select an available language for the system. Once the language has been selected, the main menu of the **CityGuide Mobile** application is shown.



A user starts by giving the application his current location. This is done via keyboard entry or via the function keys of the mobile device.

Following this, a destination is selected in the same way.

As soon as the user has specified his destination, he will receive a set of directions in form of a text menu or alternatively in form of a map with start and stop locations that are connected by instructions and waypoints. While on the way, it is possible to infinitely switch back and forth between the individual waypoints of a route.



Areas of Use

A red circular icon with a white flag on a pole and the word 'Goal' in white text.

Goal

CityGuide Mobile offers many different possible applications...

CityGuide Mobile a Pedestrian Navigation System

Many visitors from abroad, who will be moving around the city mostly on foot, are expected to attend the FIFA Soccer Worldcup 2006™ in Germany. These visitors want to be able to enjoy everything the city has to offer at all times and with greatest ease.

With **CityGuide Mobile**, there is an ideal application available that is compatible with most of the current mobile devices on the market. A simple example demonstrates how it is used:

A tourist from abroad is visiting Kaiserslautern on foot and spontaneously decides to have lunch in a restaurant serving indian specialties. With **CityGuide Mobile**, (the application may be downloaded from the cities web pages or terminals free of charge) he just has to take his mobile phone and enter his own position and afterwards the street and house number or the first three letters of his desired destination.

While plotting his route, he will navigate a menu which is subdivided into several topics that offer him a number of destinations to choose from. For instance, if he is interested in a restaurant, the gastronomy-section would be the right one to choose. Once selected, he can narrow his search down to the kind of cuisine he is interested in. Other categories such as Hotels, Points of Interest, etc. also contain sub-categories with more information. Thus, he has the entire city at his fingertips.

As soon as the user has specified his destination, he will receive a set of directions in form of a text menu or alternatively in form of a map with start- and stop locations that are connected by instructions and waypoints.

The system itself is highly quality and customer oriented and very flexible in the way users can interact with a city's infrastructure.

Separating all data from the application enables **CityGuide Mobile** to be adapted to any environment - be it a pedestrian navigation system or a navigation system for a certain occasion, such as a sports event or trade fair.

A green circular icon with a white flag on a pole and the word 'START' in white text.

START

CityGuide Mobile

a Trade Fair Navigation System

CityGuide Mobile may just as easily be used as a navigation system for the trade fair grounds or an exhibition. Maps of the city are simply exchanged with maps of the fair grounds or exhibition halls.

The Routing-Editor of **CityGuide DMS** makes the creation of individual routing grids for a certain application a simple task.

CityGuide Mobile will premiere for the first time as the official navigation system for the Intergeo 2005. Visitors and exhibitors alike can use the system to find their way quickly and easily between the different booths and locations of the trade fair.

This innovative solution is completed with the **CityGuide DMS** product line, which offers equally convenient functionality on the official Catalog-CDROM and on the Internet at www.intergeo.de.

Characteristics



Platform Independence through Java Technology

The conceptual approach of CityGuide-products may be summarized as a most versatile application through cross platform operation of all products. This concept will help our products reach a maximum number of users.



Low Expense Factor through small Data Transfers

While navigating, **CityGuide Mobile** uses only a small amount of data to function. All maps and content is transferred compressed over a simple GPRS-Connection. As a result of that, users do not have to expect large costs in connection with the software.



Currentness of Information through Centrally Stored Data

While downloading, the application accesses the information that is provided by several different institutions. Whenever a change is made to the information on a given network, it is immediately available to **CityGuide Mobile**.



Editorial Ownership

The city or the trade fair management decide themselves what information (taxonomies, points of interest, etc.) is published and are thus able to make a customized version available that will be perfect for a certain occasion.

All CityGuide-Products...

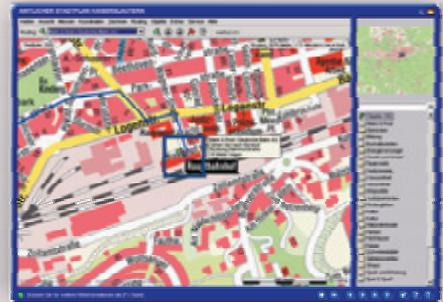
You are interested in **CityGuide Mobile**? Why not take a look at the full range of our CityGuide-products.

We can offer you a very distinguished selection of products for almost every aspect of the application of your maps and data. Meeting your individual expectations is our strength...



CityGuide DMS is an interactive geographical information system that will help you publish your maps and data very conveniently over the Internet, Intranet or on CDROM and DVD.

More information can be found online at:
<http://cityguide-dms.com>



CityGuide 3D expands your maps and data with a third dimension. This will give you the ability to look at three dimensional terrain models including buildings and daylight lighting effects.

The sources for calculations are your maps, a digital altitude model and data for 3D-objects.

Anticipated availability is spring 2006.

More information can be found online at:
<http://cityguide-3D.com>





CityGuide Mobile is a pedestrian navigation system for mobile units such as Java enabled mobile phones and handheld-computers.

CityGuide Mobile enables people to use the infrastructure of a city more efficiently by offering the entire spectrum of activities and events at the click of a button.

More information can be found online at:
<http://cityguide-mobile.com>



CityGuide MicroEdition is the mobile GIS-version of CityGuide DMS and offers a selection from different source maps, full-text database search for objects and addresses on top of the routing function of CityGuide mobile.

More information can be found online at:
<http://cityguide-microedition.com>



CityGuide ServerEdition is the server-application, which makes it possible for mobile devices to access maps and data via a standard Internet- or Bluetooth-Connection.

CityGuide Server is currently being used by CityGuide Mobile and CityGuide MicroEdition.



A blue banner with white text, tilted upwards to the right. The text reads 'MEDIA IN MOTION' in a large, bold, sans-serif font, with 'Regionen mit Zukunft' in a smaller font below it.

MEDIA IN MOTION
Regionen mit Zukunft

CityGuide Mobile is winner of the 2004 "Media in Motion" Award, which was endowed with the sum of 100.000 Euros by the federal state of Rhineland-Palatine.

The pedestrian navigation system was designed in coproduction with the DFKI and the city of Kaiserslautern. It will premiere as the official trade fair navigation system at the Intergeo 2005 in Düsseldorf.



CityGuide Mobile is a coproduction of:

Contact

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...on the World Wide Web: <http://cityguide-mobile.com>
<http://cityguide-europa.com>
<http://cityguide-global.com>

For more questions and additional information please contact our online support at support@webnologic.com.

Suddenly navigation is as easy as another phone call...



Partners of CityGuide Products

On this page we proudly present a list of our partners for **CityGuide DMS** and **CityGuide Mobile**. We want to thank everybody for their trust and teamwork during the completion of their individual project.



Federal Office for Radiation Protection



German Research Institute for Artificial Intelligence



Federal Surveying Office for the state of Saarland



The state capital of North-Rhine Westfalia Düsseldorf



The state capital of Baden-Württemberg Stuttgart



The capital of Sicily Palermo



City of Baden Baden



City of Celle



City of Düren



City of Flensburg



City of Freiburg



City of Hameln



City of Heilbronn



City of Kassel



City of Königsbrunn



City of Krefeld



City of Mönchengladbach



City of Neuss



City of Peine



City of Wolfsburg



Federal Agency for Cartography and Geodesy



Federal Surveying Office for the state of Schleswig Holstein



The state capital of Bavaria Munich



The state capital of Hesse Wiesbaden



Duisburg Police Department



City of Brühl



City of Darmstadt



City of Euskirchen



City of Frankfurt



City of Hagen



City of Hanau



City of Hildesheim



City of Kaiserslautern



City of Koblenz



City of Langenhagen



City of Neumünster



City of Offenburg



City of Trier



City of Worms



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