

# GC Osiris

Current data at any time and any place



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# GC Osiris

is our individual adaptable and scalable web GIS based on a SOA (service orientated architecture) that supports you to visualize, select, query, edit or put out your geodata.

You benefit from the comprehensive range of functions of our solution. For example:

- > Integration of information
- > Portal technology with process support
- > Relevant and spatial data integration
- > INSPIRE conform
- > GIS integration
- > Export options
- > Background maps (Google®, Bing®, OSM®)
- > OSM and Google search (with Streetview)
- > Query options
- > Mobile use for tablets
- > Notes and redlining
- > Online and offline usable



# INTEGRATION OF INFORMATION

... is especially important when you have several grown systems that are running parallel. **GC Osiris** enables you to combine heterogeneous data sources completely and efficiently. This allows you to use your data with – until now – unknown efficiency. The possibility to connect data from different systems, enables also quick answers for complex questions.

In **GC Osiris**, you can also use different data formats like

- > MS Access
- > Oracle
- > PostgreSQL
- > Shape
- > MySQL
- > WFS/WFS-T/WMS
- > OSM

This enables you to combine easily relevant and spatial data.

... or to map relations between objects in the context of data consolidation.

... or to put alphanumerical data without geo references via integration of information in a spatial context and display them in **GC Osiris** in an accurate position.

# INSPIRE CONFORM

You can also integrate, assign and use data that is available based on the INSPIRE guideline. Thus, you are also in the future, when this geodata is available Europe-wide, well equipped.

You can always provide data that is connected to **GC Osiris** via a WMS (Web Map Service) or WFS (Web Feature Service), too.

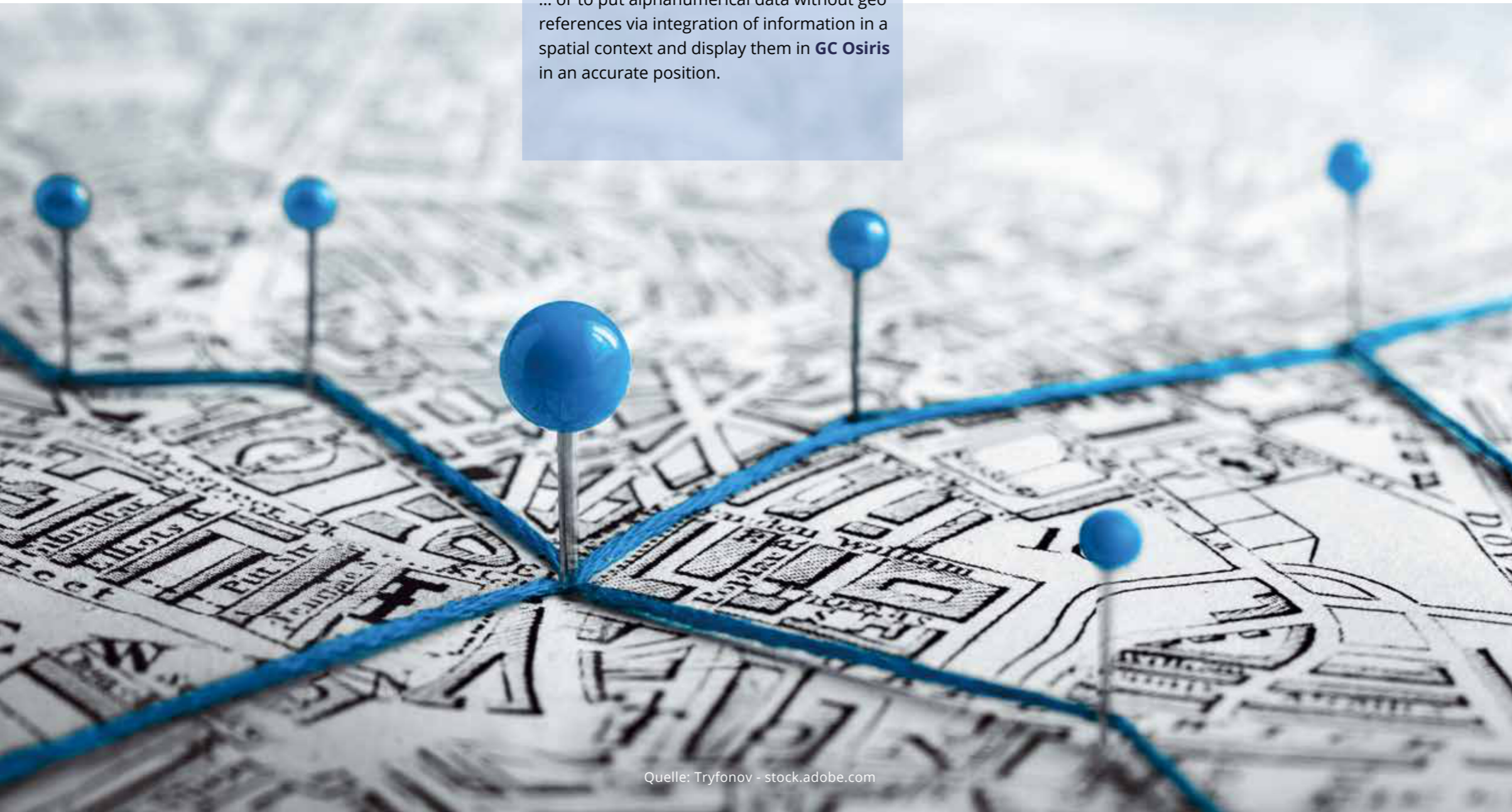
# VISIBILITIES

Visibilities can be determined individually or used from the GIS e.g. (for example Smallworld). This enables users to work in their well-known manner.

It is possible to create thematic maps for technical questions. Users can add them in the visibilities, and they take the current database into account.

There are two ways to export the data:

1. Via plot function. In this case **GC Osiris** supports
  - > the standard GIS-plot functions with plot templates
  - > PDF- and JPG plots
  - > to plot WMS information
2. Selected or complete map sections into the data formats DXF, DWG, Shape and Geo-Tiff.





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## USABILITY IS KEY

When using **GC Osiris**, we have paid particular attention to ensure that it is also very user-friendly on tablets and smartphones. This usability, e.g. combined with GPS use, supports the processes on site perfectly. Users can not only apply current positions as new geometries but have also their usual user experience with touchscreens. Changes on site can be transmitted to the current database directly.

## ONLINE AND OFFLINE STRONG

### Online:

In this mode, you work with maximum efficiency. There is no need to subsequently transfer the data or post-process it because the data is processed directly in the target system.

### Offline:

Offline work is also possible. A synchronization process specially created for **GC Osiris** automatically transfers the edited data to the target database later.

## INTEGRATION OF BACKGROUND MAPS

You have technical questions to a local situation and no own basic data? We offer you the use of the following background maps:

- > Bing®, Google®: satellite pictures and map display
- > OSM®, WMS: map display
- > Raster cards
- > 3D panorama images (Orbit, Cyclomedia e.g.)

For your evaluations, **GC Osiris** has different query options. You can use the general object search with access to available objects and self-predefined standard queries for recurring questions. The user gets a list of results with functions like *export*, *filtering*, *sort* and many more.



Quelle: kinwun - stock.adobe.com

# ADDED VALUE FOR UTILITIES AND DISPOSERS

## Web based plan information for utilities and disposers

**GC Planauskunft** enables utilities to provide plans and information about their pipe runs to planning offices and construction companies all the time. The registered applicant can online key the project-specific information. This reduces the risk of collisions with supply lines before the start of an underground construction. An authorized user maps via internet-information query the affected spatial part. The system navigates automatically via the the address that is named in the request to the wanted position within the query. In the also automatically provided map section, the solution generates whether an effective area with standard extension or enables the user to map the area of the construction project via red-lining function. A central server checks the pipe runs in this area and sends the user a PDF with the precise position of the pipes immediately. Furthermore, the

data can be exported from **GC Osiris** and sent to the authorized companies (for example via DXF or Shape).

It is also possible to log queries and answers legally watertight and verifiable, for example via a connected document management system (DMS). You can call the saved queries in **GC Osiris** and have the possibility to visualize them with further data.



Quelle: Nuttapon punna - stock.adobe.com

## On the way to a municipal web GIS

The meaning of geodata in public administration is growing more and more when it comes to work across departments. Not only administrations like the local authority real estate office, the building authority or the town planning does need easy access to current geodata, but also departments like the youth welfare offices, city cleaning or fire departments.

The goal of modern geodata management is to realize a comprehensive, interdepartmental municipal information system that includes all relevant information in one central system.

It is the base for general information, analysis and presentations. This makes web GIS a huge added value for public administration. Companies and citizens increasingly want to get easy access to geodata.

Responsible for the distribution are geo portals based on **GC Osiris**. Our solution enables cost-effective internet access to data sets from different origins. We even go one step further: With **GC Osiris**, authorities can also implement digital processes relating to citizen requests quick and easy, like requests for a curb drop e.g.



Quelle: kanzilyou - stock.adobe.com

# GC Osiris GETS PORTAL SOLUTIONS UP TO SPEED

Our technology is based on a highly flexible and scalable architecture. Users can integrate our client framework in different portals. You have also the option to optimize the server module, for example to use it mostly for map rendering or special analysis. Furthermore, you can scale the system via combining it with other servers. This gives you the possibility to level up your application management.

## GC Osiris supports your digital processes

Web GIS not only measures and informs about geo-data but can also sketch process sequences in the client. Examples are fault management, leakage studies in gas networks or coordination of sites together with the management of statements. The user is guided through the process via dialogues and must fill in mainstream data. A local relation can be placed (for example by the help of addresses and house numbers) or an entry in an optionally available map window – even through untrained GIS users.

### GC Osiris in use

On our homepage you can find best practice examples like the iCity-solution of the city of Heidelberg:



## Profitabel into the future

Be an early bird and decide prematurely for modern and sustainable geodata management with the option to support you actively in your digital processes. It is much easier to build up a new geodata management than to bundle your data subsequently. Furthermore, it is more transparent and helps you to continue.

Resources could be reduced by including freely available map services like WMS and WFS. Here are the service providers responsible for the maintenance of the data.

**GC Osiris** also provides the 'dial before you dig' coordination based on a GDM with distributed access to help you to save potential.



Quelle: Gorodenkoff - stock.adobe.com

## IN BRIEF

### Characteristics

- > WMS 1.3
- > WFS support
- > Data collection
- > GPS support on mobile devices and different browsers
- > Further products like GeoSpatial Server (GSS) usable
- > Google search® and Google Street View®
- > Comfortable location searches with auto-complete
- > High performance and scalability
- > Configurable queries
- > Optional export possibilities to DXE, Shape and Geo-Tiff
- > User specific visibilities
- > Authorization of visibilities and plot templates
- > Compound documents
- > Google®- and OSM® support
- > 3D-Orbit, Cyclomedia-Interface
- > Inner working of stations
- > Network tracking
- > Many more

### Further functions

- > Measuring function
- > Integration of GIS themes and worlds (inner workings, schematic maps)
- > Note function (redlining) with authorization and expiration date
- > Web construction mode
- > Extended table functions (filters, sorting, export and browsing through search results)

### Applications and modules

- > Plan information  
Internal Web-GIS portal, portal solution (information system for sites, portal for citizens, online information, B2B portal, digging coordination)
- > As integration platform (relevant and spatial data)
- > Mobile GIS (tree and road control)



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... for sophisticated GIS, web and database projects. We focus our products and solutions on public administration, road solutions and property information systems as well as on industry and energy and utility companies.

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Management system and information management roads



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