

GIS for all

Enhancing work processes
with geodata and network
information



MGC[®]

Web GIS and mobile apps for grid operators



mettenmeier.



Experience the use of GIS data in a new and simple way! Our state-of-the-art MGC apps bring your network data exactly to where it is needed – whether in the office or mobile, online or offline, as an individual application or in a portal.

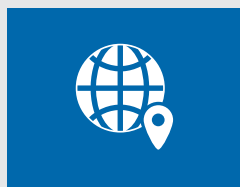
For this we have developed a revolutionary technology that can be used independently and offers extremely high-performance and user-friendly interfaces, open-source data-bases included.



MGC apps:



Web Enquiry



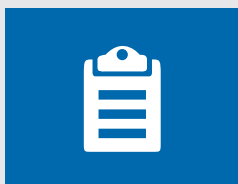
Offline Enquiry



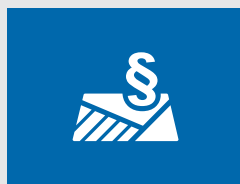
Update



Map Information



Task



Real Estate



Gas Leak Detection



Individual Apps

The vision: GIS for everybody

For many grid operators, geographical information systems have merely been used by a group of GIS experts. But the real beneficiaries of grid information are mostly not the GIS experts. It's the key users in the technical departments and in grid-related processes who need precise information every day about the location, structure and condition of the assets. With MGC, you bring your GIS data to where it is needed. You can simplify and accelerate numerous processes in in-house and field service.

The focus: user needs

Designing the MGC apps, the focus has always been on the person, their needs and their motivation:

As an electrician, I want to be able to view all network information directly on site so that I can concentrate on my actual task.

As a firefighter, I want to see all hydrants in the immediate vicinity at a glance so that I can quickly find the nearest point of use.

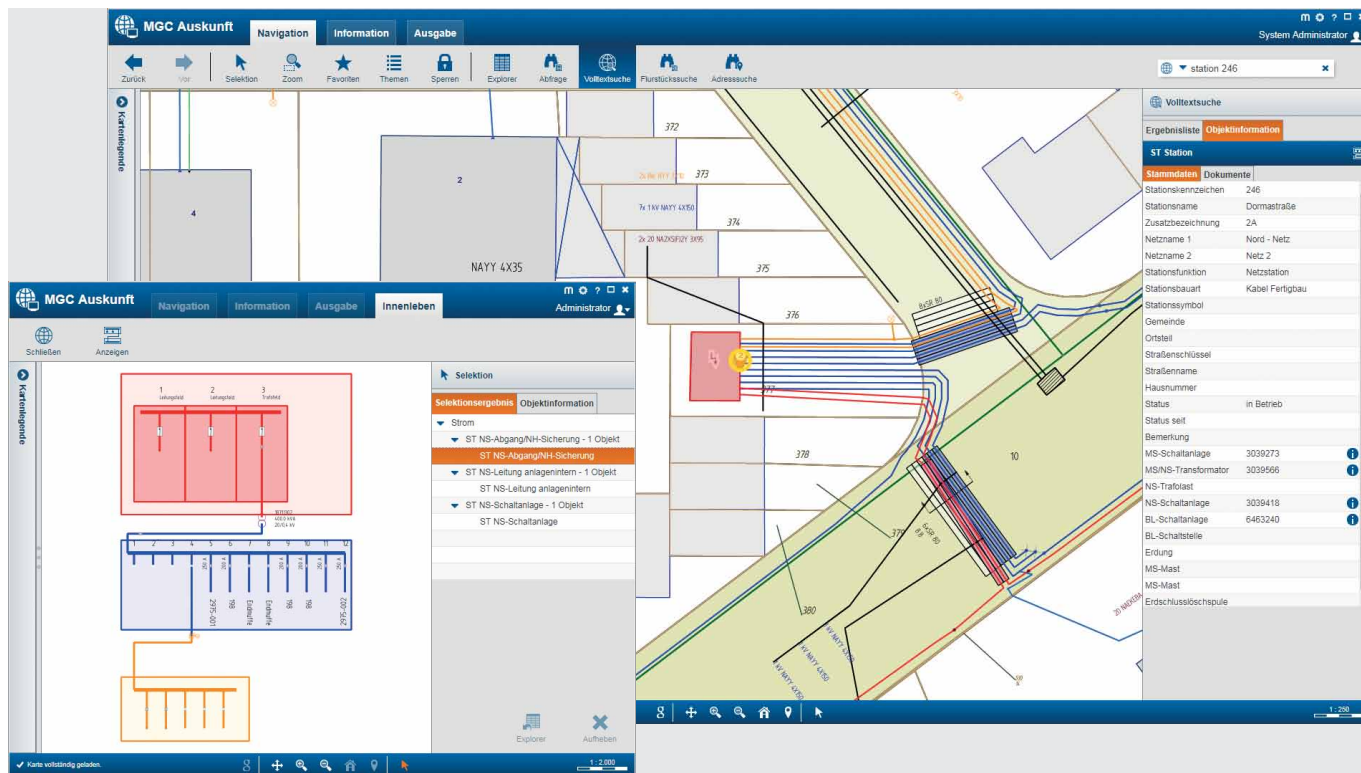
Working in the map enquiry unit, I want to offer an online self-service for standard cases so that I am able to concentrate on more complex cases.

The basis: MGC Warehouse

The intelligence of MGC lies at its core: The „MGC Warehouse“ is the central database component that processes information from various sources. Via a universal connector, MGC is open for all common GIS, ERP systems and asset management solutions, and it supports company-wide information portals. The data is aggregated and consolidated in the warehouse and made available via modern web technologies in the form of easy-to-use apps for the special purposes of the energy and water industries.

The framework: ready-to-use modules

The MGC apps fit seamlessly into our industry-specific framework for grid operators and utility companies. This includes technically sophisticated function modules for asset management, planning departments and field service – for example process files for customers, network construction, house connection, maintenance or metering. In connection with proven BPM tools, we achieve a high degree of automation and flexibility. The result: user-oriented web solutions, portals and smart mobile apps.



Geodata and grid
information everywhere
easily accessible for
everyone – experience
GIS enquiries with MGC!



With MGC Web Enquiry, Mettenmeier offers a professional web-based asset enquiry system that is used by grid operators and other GIS users.

The app supports your workflows wherever you need quick and easy access to GIS data – mobile in the field or in the browser of your office workstation.

The relevant information is available throughout the entire company and can also be shared with partners. In this way, you maximise the range of your GIS data and exploit its potential even more consistently.

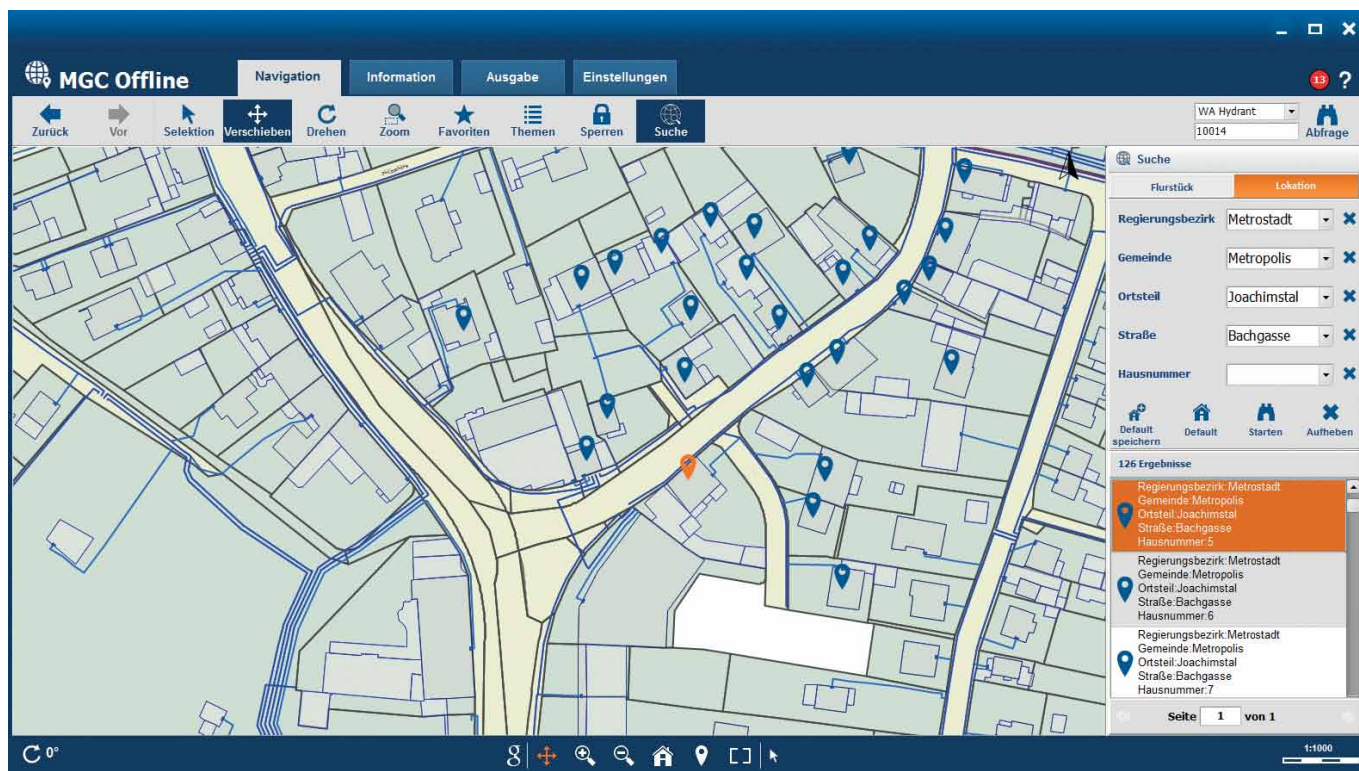
An essential feature of the MGC is its central data hub „MGC Warehouse“. This consolidates and combines your GIS data with any WMS sources and thus opens up new data views and applications. Flexible background data from cadastre or OpenStreetMap as well as the transfer to Google Maps also contribute to this.

MGC Web Enquiry is also available as a slim tablet or iPhone version, which offers all the advantages of modern touch operation. The mobile processes are precisely supported with exactly the range of functions that is necessary.

- Efficient, topic-controlled GIS enquiry
- Representation of all map levels including asset internals and attribute data
- Fast navigation via full text search, favorites and address search
- Auxiliary trail and redlining
- Resource enquiries and Excel export
- Extensive print functions
- Hierarchical objects

Version information

MGC Web Enquiry is available from MGC Version 2.10.



MGC Offline Enquiry

Easier than ever –
network data enquiries
in the field with a
mobile GIS of the latest
generation



With MGC Offline Enquiry, you can support your field service effectively. The app brings your GIS data exactly to where it is needed – even into areas without Internet access. Thanks to the simple operating concept, every employee can start the application immediately and without any previous GIS knowledge.

The app allows you to navigate comfortably through the grid area and obtain all relevant information on the desired network objects. Simple measurement functions are available on site as well as optional sketch functions.

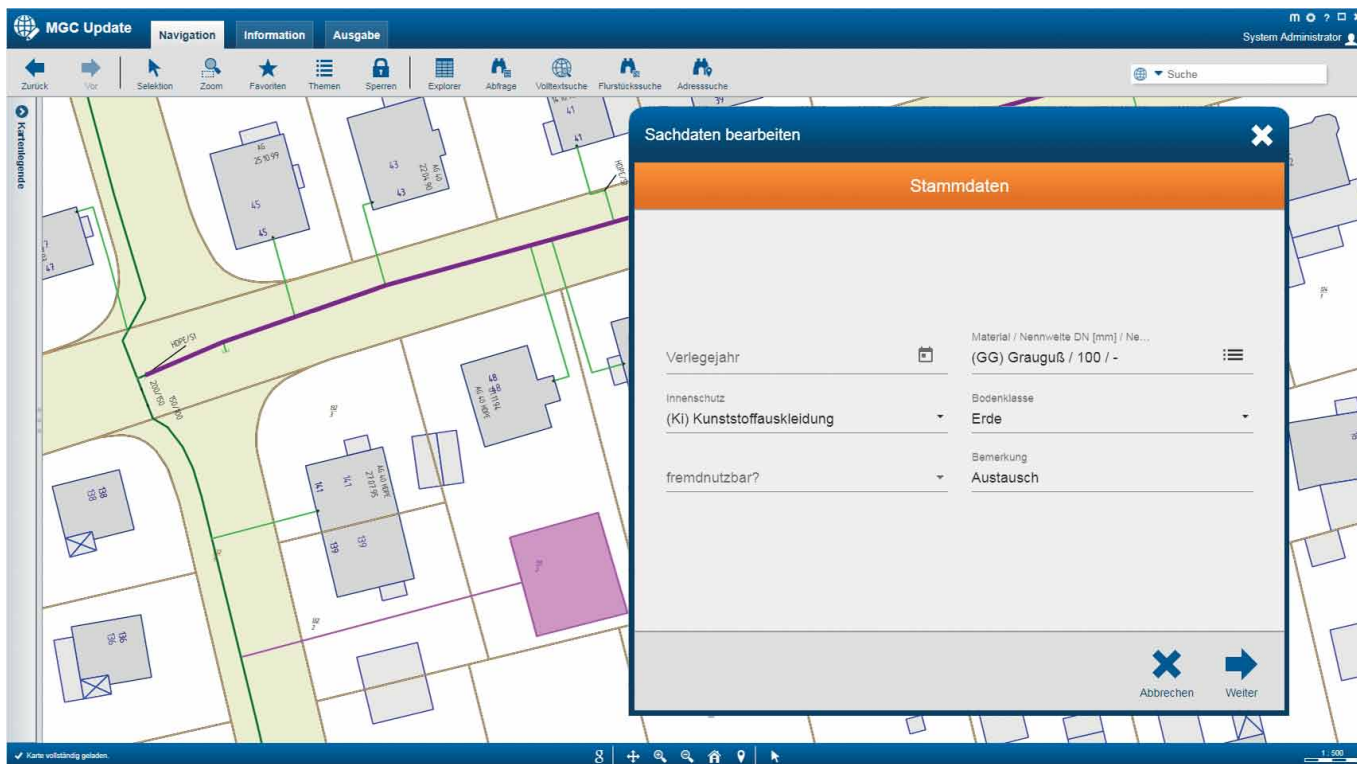
As part of the MGC product family, the app is based on the central data hub „MGC Warehouse“. Because the data is transferred in vector format, you and your staff benefit from very short transfer times and very fast image build-up.

The operating concept is based on the „MGC Web Enquiry“ app. Functions such as topic control, hierarchical objects, object attributes, asset internals, GPS or intelligent enquiries and search functions make MGC Offline Enquiry an intuitive and encompassing GIS solution for the field service.

- Reliable GIS enquiry for the field service
- Individually configurable interface
- Highest performance thanks to vector data
- For notebooks and Windows tablets

Version information

MGC Offline Enquiry is available from MGC Version 2.10.



MGC Update



The recording of simple asset data changes or other manual notes on the inventory is often prone to errors, time-consuming and does not conform to recommendations or regulations of the energy and utilities industry.

With MGC Update, the manual processing of map changes and long delays in the GIS department are a thing of the past. Changes to asset data are digitally processed using object-specific forms. Notes or changes in the grid are just as easy to capture using redline objects. MGC Update can be used both in the MGC web client and in the MGC offline client in the same manner.

After clearance (MGC online app) or after synchronization (MGC offline app), the updates are available to all users. They are clearly visualised as an additional topic showing the attribute data changes.

The module MGC SW Process Management for Smallworld GIS is available for the comfortable further processing of the collected data. Here the data changes can be conveniently imported, processed or rejected. This means that the network data processing can be continued without media discontinuity, thus saving time and resources.

Always up to date:
recording data changes
and making them
visible to all users in
real time

- Entering or correcting attribute data in MGC
- Using preconfigured change forms for specific grid objects
- Writing change notices or comments directly into the MGC graphic via redline functions
- Simply attaching additional documents
- Synchronising and visualising changes with the GIS
- Making daily updated changes visible for all users in the MGC

Version information

MGC Update is available from MGC Version 3.0 and Smallworld GIS 4.3.0.8.

MGC

Customers



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