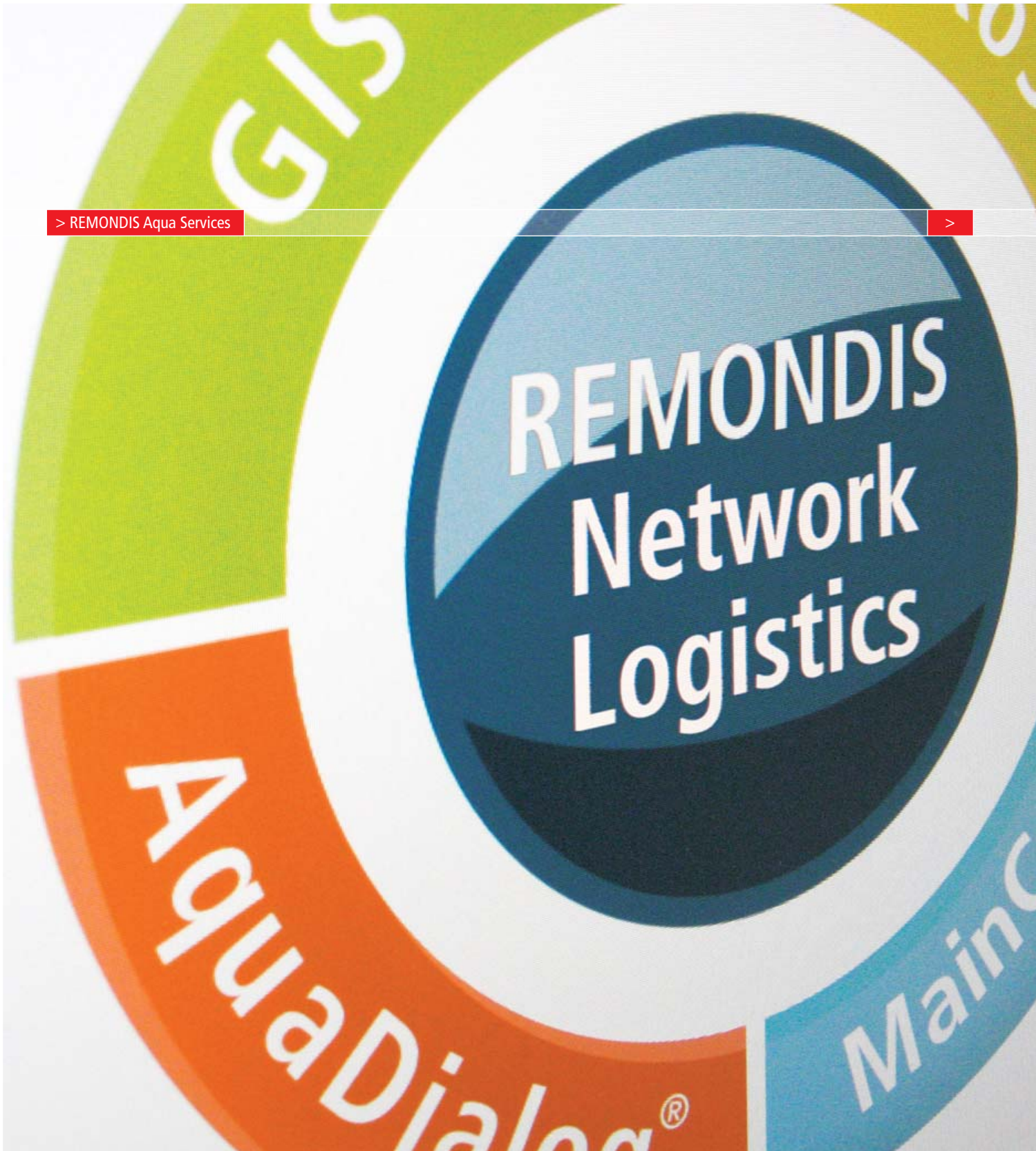


Well connected. Professional  
network logistics for the water sector.





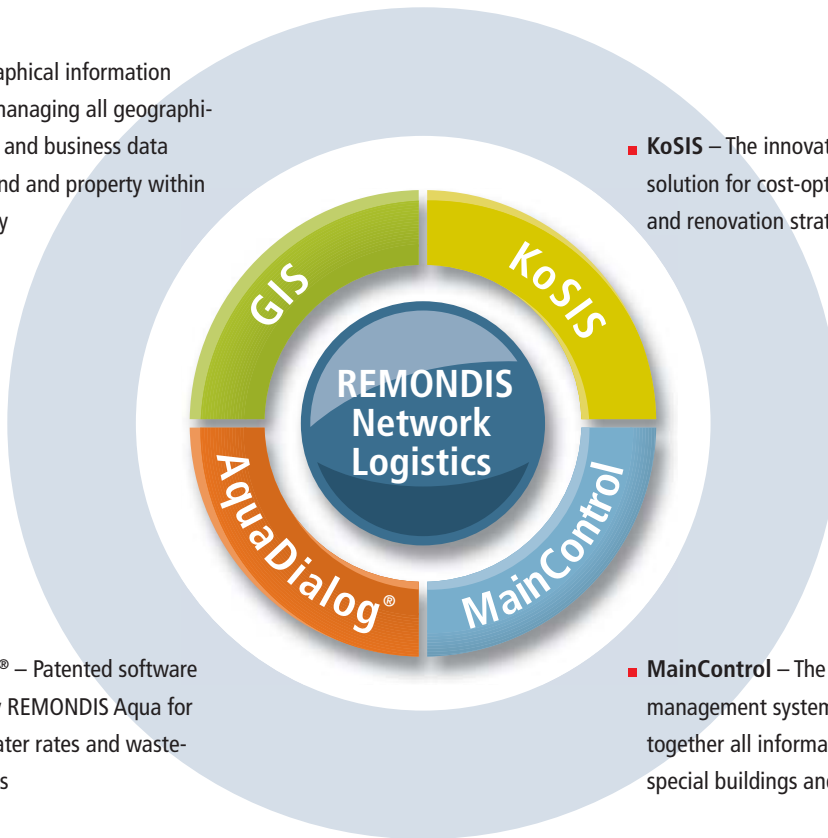
## Intelligent network logistics. Creating a transparent future with Aqua Services.

REMONDIS Aqua Services is one of the leading German companies within the field of network logistics. Our innovative software solutions have been developed to provide companies and local authorities with efficient support in all aspects of their water management needs. This ranges from providing expert advice and long-term support to implementing geographical information systems. Furthermore, we draw up and develop forward-thinking strategies for inspection and renovation work, optimize your maintenance management measures and take over the complete management of water rates and wastewater charges. And all this is provided by one and the same company.

We aim to offer you more than others. To achieve this, we put priority on optimizing our systems and implementing reliable quality assurance measures.

- **GIS** – Geographical information systems for managing all geographical, technical and business data relating to land and property within a municipality

- **KoSIS** – The innovative REMONDIS solution for cost-optimized inspection and renovation strategies



- **AquaDialog®** – Patented software developed by REMONDIS Aqua for managing water rates and wastewater charges

- **MainControl** – The maintenance management system for pooling together all information on networks, special buildings and resources

### Good reasons for our success

Our excellent services are based on intelligent technology, state-of-the-art software and, in particular, our highly qualified employees. Our workforce consists of specialists in information technology, surveying and engineering which means they can pool together their extensive know-how and create new solutions and achieve the highest possible standards.

### Learning from experience

As we are a subsidiary of REMONDIS Aqua, we have direct experience of what customers really need when it comes to water supply and wastewater treatment. Moreover, being a part of the REMONDIS Group, our company has the strong advantage of being able to make its mark on the global water management sector.

### > REMONDIS – Services, water, raw materials, products and energy for millions

Based on the solid foundations of a family-run business, REMONDIS is one of the world's leading water and environmental service companies. A smooth logistics system is guaranteed thanks to our network of wide-ranging processing and recycling facilities as well as over 6,000 commercial vehicles. REMONDIS is active at around 500 locations in 21 European countries as well as in China, Japan, Taiwan and Australia.

### An overview of the services provided by REMONDIS' network logistics

- implementation of geographical information systems
- cost-optimized renovation and inspection strategies
- maintenance management measures to optimize operations
- management of water rates and wastewater charges for our municipal customers



Thanks to our user-friendly software, the data needed can be called up quickly and is clearly illustrated on the screen.

## GIS: The best possible overview.



Our geographical information systems allow you to have a perfect overview of your data: with just the click of the mouse, you can call up different pieces of information and view them all spatially at the same time on just one single map. REMUNDIS Aqua GIS systems are indispensable nowadays for those involved in modern network management as they provide essential support in their decision-making processes. And this is true for all areas of the branch – from assessing and carrying out maintenance work to evaluating and managing assets.

No matter whether you are a business or a local authority: experts believe that around 85 percent of all data in Germany is of geographical significance.

### The basis for making correct decisions

People who need to make precise plans also need to have reliable background information. Our functional GIS systems pool together information from a wide range of sources and formats – all perfectly adapted to suit your requirements exactly. The geographical, technical, HR and business data is united to create one overall scenario allowing even the most complex aspects of your sewage or drinking water networks to be displayed on just one map.

### Simplifying cooperation work

We'll set up a comprehensive network for you that makes it much easier to work together with your in-house and external partners. As a result you'll find it much easier to coordinate urban land-use planning as so much information has been pooled together about pipe positions, road construction measures and green areas that are worthy of protection. Furthermore, it is far simpler to plan ahead as, for example, changes in population structure can be taken into account.

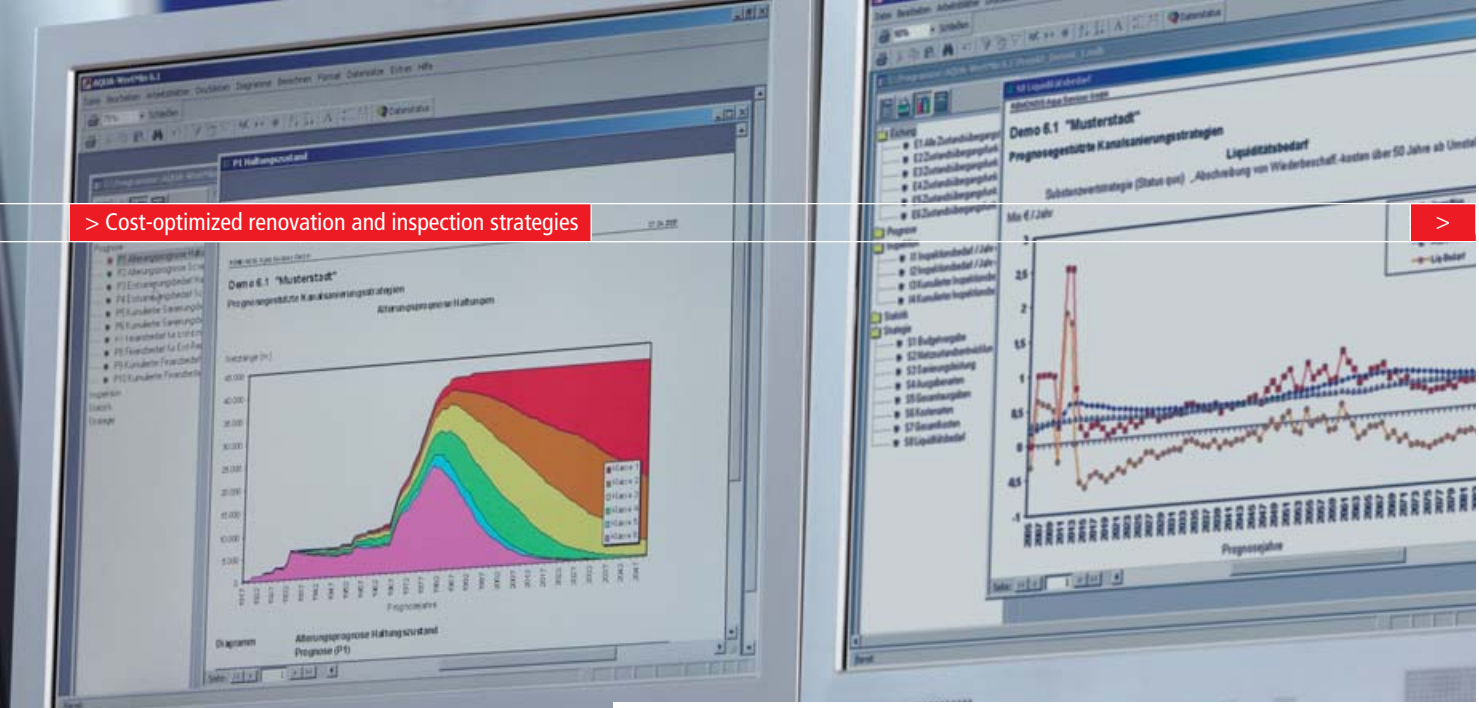
### Services from A to Z

REMUNDIS Aqua Services advises you on selecting, implementing and using your individually configured, web-based geographical information system. As it is connected to the Internet, you can access your data at any time wherever you are – and all your partners can access the information, too. Furthermore, the central hosting system means there are no installation or administration costs – a particularly strong argument in its favour when several work stations need to access the GIS data. And, last but not least, all information is secured digitally – either on your IT platform or on our servers.

### > Range of services

- pooling together all data required from very different sources
- converting very different kinds of format
- surveying, scanning, taking aerial pictures as well as 3D laser scanning
- linking individual locations together with all relevant information
- integrating a wide range of application functions

> Cost-optimized renovation and inspection strategies



Our cost-optimized renovation and inspection strategies are based on both selective inspection work and evaluations that take forecasts into account. As a result we are able to consider very different scenarios.

## KoSIS: Highly efficient technology.

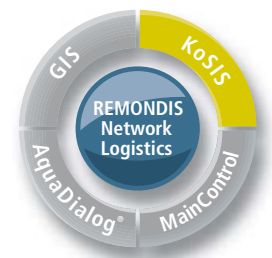
It is essential that water pipelines and sewage networks are maintained at regular intervals to keep them in a good condition over the long term. The costs for the inspection work, however, must be kept in sensible proportion to the benefits of such work. The solution: our innovative inspection and renovation strategies for sewage networks.

### Fewer man-hours yet reliable results

KoSIS, our software tool for setting up economical inspection and renovation management systems, helps you to inspect the areas of your sewage network that really need inspecting. The system uses special mathematical and statistical methods making it possible to carry out selective inspection work on your sewage networks. This means that only 20 percent of the network needs to be examined in detail using roaming CCTV equipment in order to be able to reach an assessment about the whole of the network. And with a 95 percent level of accuracy!

### Sensible plans thanks to forecasts

Once the results of the CCTV work are available, the data is then fed into complex simulation models in order to make exact assumptions about how the sewage network is likely to age. In turn, this exact forecast about the future deterioration of the network allows us to consider realistic renovation and investment scenarios. And with this information, it is possible to draw up the right strategy using the financial resources available sensibly and maintaining the value of the sewage network on a long-term basis.



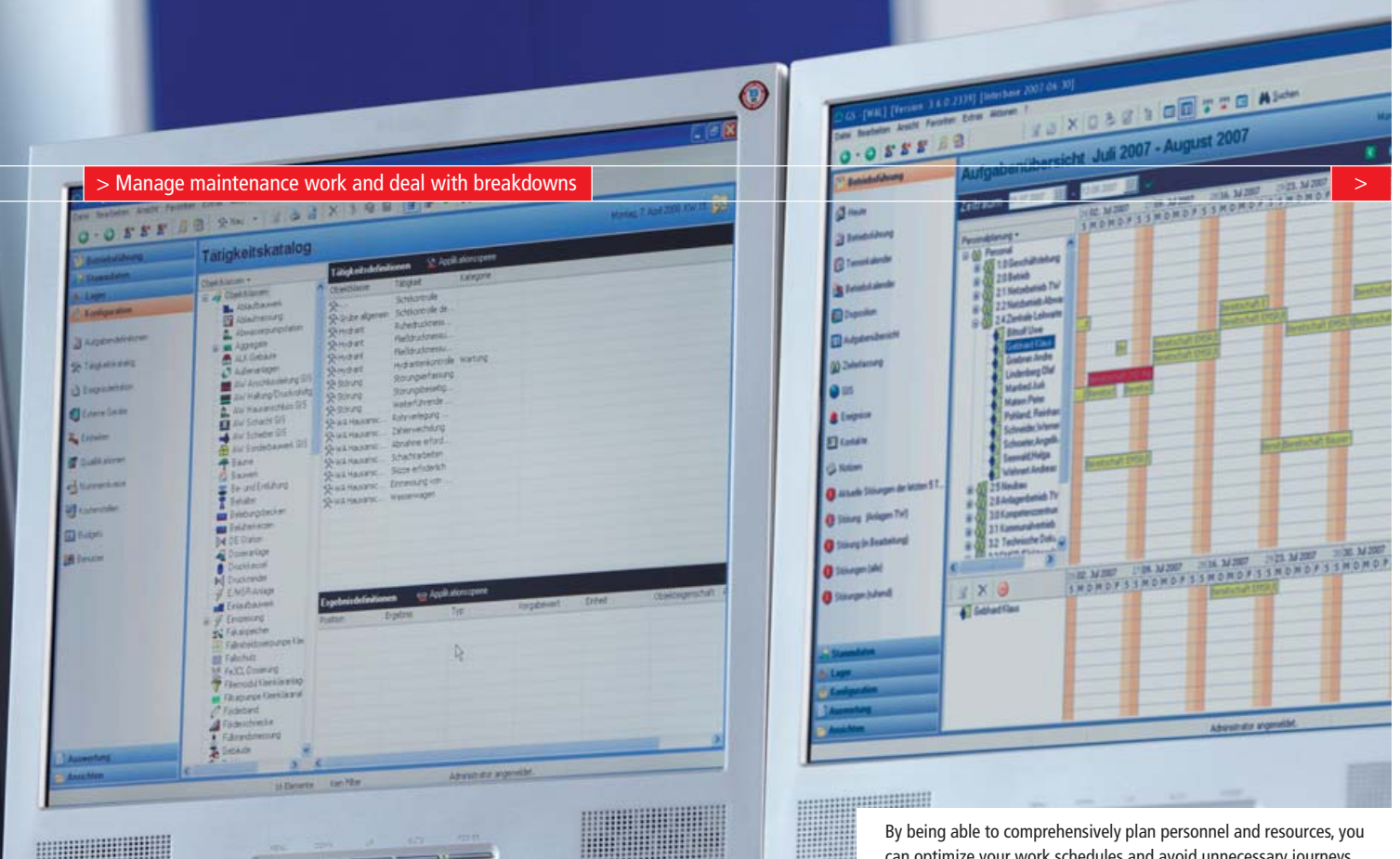
REMONDIS Aqua inspects and operates drinking water and sewage networks across the world that cover, in total, over 5,000 kilometres.

> The advantages

- creating groups of similar network sections
- reducing working hours and costs through selective CCTV work
- projecting how the network is likely to age
- assessing future renovation requirements
- drawing up the most suitable renovation strategy
- transparent calculation of investment requirements

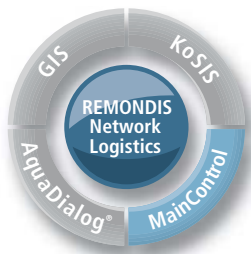
From the inspection strategy to the renovation strategy – from renovation planning to finance planning. And vice versa. REMONDIS KoSIS is based on an integral concept.

> Manage maintenance work and deal with breakdowns



By being able to comprehensively plan personnel and resources, you can optimize your work schedules and avoid unnecessary journeys.

## MainControl: Perfect work schedules.



MainControl can be easily integrated into your work system. Your other programmes, such as your GIS, your office systems, your remote control technology or your merchandise information systems, can be reached via interfaces.

Perfect organisation is essential to achieve efficient work processes, for example, within plant management. Our progressive software, MainControl, optimizes your daily processes in many different areas, for example, to manage maintenance work or deal with breakdowns. It can also be used, though, to manage resources, documents and warehousing.

### Greater transparency for your business operations

MainControl even allows you to unite your business processes to create groups with one common denominator. The programme uses an appointment and document management system that is very easy to learn. Many templates and reporting functions have also been included. And there's more: MainControl also simplifies communications. The contact details of customers, suppliers or regulatory authorities are matched directly to your company's relevant locations. And MainControl can also set up clear structures within your company. The different areas of responsibility are clearly depicted as well as the relevant management and maintenance instructions.

### Reports and analyses just a mouse click away

MainControl's clearly set out documentation not only covers business instructions, inventory plans and other similar documents but also depicts all maintenance work, supplies

and notification of faults. All this information is structured according to the relevant buildings. Comprehensive reports, for example, can be called up with just a click of the mouse. Analyses can be carried out quickly and simply to assess wear and tear, how often faults occur and many other aspects that affect business operations.

### > Increased value

- comprehensive workflow management
- full illustration and documentation of quality management
- integration of data into the workflow via bi-directional data exchange
- GPS routing for planning personnel rotas and tasks
- efficient management of faults and breakdowns



Here you have the advantage of being able to predict the development of charges over any given period taking factors as such demography, water consumption and grants etc into account.

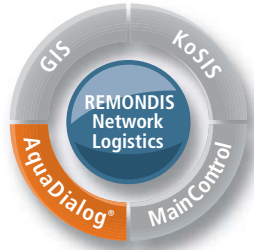
# AquaDialog®: Stable rates and charges on a long-term basis.

Municipal wastewater treatment is financed from the charges paid by the people living in the area. If the charges are to be kept at a level that is acceptable to the public, then responsible finance management is essential. Together with our software, AquaDialog®, we help our municipal clients to calculate the development of their charges whilst taking many different influencing factors into account.

### Creating a more certain future

Thanks to REMONDIS' AquaDialog®, it is now possible to draw up reliable forecasts about the future development of wastewater charges.

Many different factors are added to the equation such as demographic change, changes in the amount of fresh water consumed each day and planned investments. The different economic aspects of various kinds of financing are also taken into account such as grants or using external funds.



If you wish, we can take over the complete management of the rates and charges in your area together with REMONDIS Aqua.

> Functionalities

- AquaProjects: calculating the charges for municipal wastewater treatment. The system draws up the future development of wastewater charges taking investment, operational, legal and business factors into account.
- AquaInfo: an information portal containing all marginal conditions relevant to the wastewater sector. Divided up according to country, this collection of facts
- AquaDictionary: a specialist dictionary for international online communications. The collection comprises fourteen languages and provides support for those carrying out international water supply and wastewater treatment activities.
- AquaProjects: pools together data, address lists, web links and a summary of relevant laws about the Central and Eastern European states.

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