

iQ water solutions
For the water supply of the future

Our family brand BEULCO stands for efficient, safe and transparent drinking water supply, especially in the field of house connection technology and in mobile water distribution. With the sub brand iQ water solutions, we have made it our mission to make water supply more efficient, safer and cheaper.

To do this, we use new technologies combined with years of experience in water supply. In many countries around the world where water is not abundant, non-revenue water (NRW) plays an enormous role. Water is a scarce resource, in addition to high water losses in the network due to damage, unauthorized abstraction or measurement errors. Future-oriented solutions open up a multitude of new possibilities for water supply and play a major role, especially for Water Supply 4.0. These systems make the drinking water network and drinking water supply more transparent, opening up a host of new possibilities for efficient and effective network control and optimization.



#PASSIONFORWATER
Not just an obligation,
its a passion

The passion for drinking water accompanies us through all areas of the company. With our ideas and innovations, we want to protect it and bring it safely to its destination.

Clean drinking water is of paramount importance for a healthy future. It is the only way to ensure the necessary hygiene and to support and maintain the health of all living beings. For this reason, drinking water should not be a rarity, but accessible to everyone - worldwide.

With our digital solutions for water supply, we want to make it more efficient, safer and cheaper.

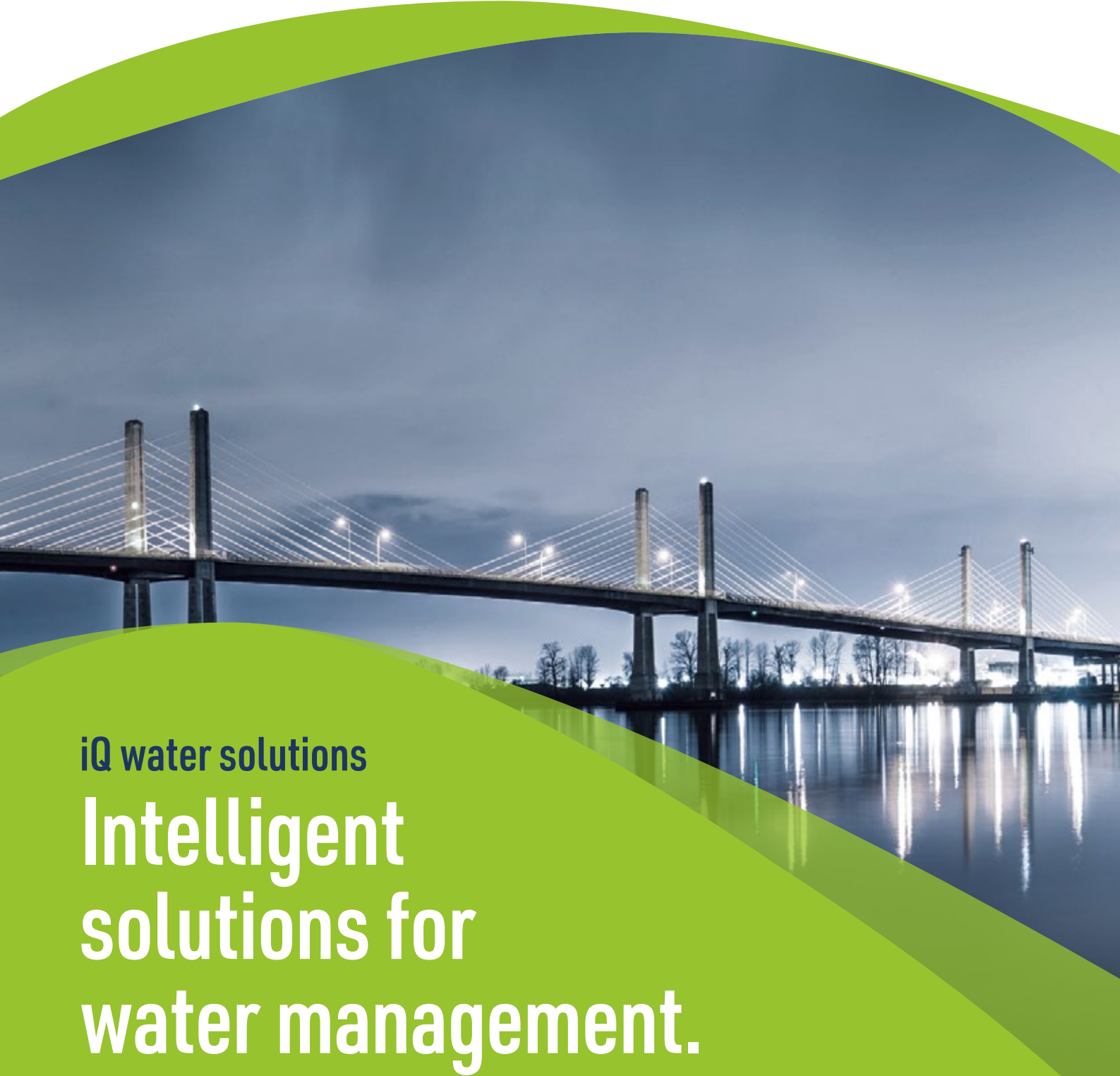


The use of intelligent systems creates more transparency and control in the pipeline network, making influences visible and revealing optimization potential. In this way, long-term water losses can be avoided and the supply of drinking water can be ensured.

The focus at all times is on the optimal design of the drinking water supply and ensuring good drinking water quality.



iQ water solutions
Emil-Figge-Str. 76
D-44227 Dortmund
Tel. +49 2722 695-112
info@iqwater.de
www.iqwater.de



iQ water solutions
Intelligent
solutions for
water management.

# iQ water system

Intelligent water network monitoring

The iQ water system starts at the point of delivery from the water supplier to the customer. In addition to providing transparency at the point of delivery and the drinking water network, it also offers a saleable added value. The digitization of the house connection opens up many opportunities for water suppliers and customers.

Relevant information is transmitted anonymously and in encrypted form to the utility company, enabling, among other things, immediate network optimization. Whereas previously only the total volume was often known, consumption peaks or stagnation can be detected and actively reduced. The efficient management of water pressure means that pipe systems are subjected to less stress and pipe bursts and leaks can be reduced or avoided.

In addition, the iQ water system thus contributes to a significant reduction in the utility's energy consumption. For example, a reduction in water pressure of just 1 bar reduces the energy consumption of the pumps that maintain the water pressure by around 13%.

Stagnations in the pipe network can be reduced or even avoided, and the water temperature can be constantly monitored. In this way, germs on the inner surface of the pipes and in the drinking water can be reduced.

The iQ water system thus actively contributes to improved water quality - this not only means increased convenience for the end user, but also reduces the necessary interventions in the water supply and water quality for the water supplier.



## iQ LockIT

Hydrant protection- intelligent way!

Up to now, the drinking water network is basically freely accessible. Anyone in possession of a suitable square key can gain access more or less unhindered. Unauthorized access to the water network is an increasing problem for water suppliers and network operators.

iQ LockIT secures today's freely accessible drinking water system against unauthorized access. A hydrant attachment locks access and only gives access to those who have the correct „key“.

As soon as the right key is positioned on the attachment, the safety mechanism inside is immediately released and the standpipe can be set up as usual. If the key and standpipe do not match due to missing approval, the user is informed visually - the hydrant remains secured.

But don't worry, water suppliers as well as friends and helpers have access to the water network at all times!

# iQ Cloud

many products - one control center

The iQ Cloud is the digital control center of iQ water solutions. This is where the information of all iQ products flows together and forms a digital twin of the respective application area.

The iQ Cloud receives the data from the iQ products, processes it and makes it available on the iQ TrackIT and iQ water system platforms. The iQ Cloud can also use other data sources centrally or send their data to them.

**Data protection and data security are more than a priority for us.**

With our partnership with the IT security company PHYSEC GmbH, we offer our customers the highest level of data security.



# iQ TrackIT

More than just standpipe localization

Manage and rent out your standpipes easily, clearly and efficiently. TrackIT helps you to keep an overview.

It is important to us that you do not have to search for a long time - with just a few clicks, a standpipe is located, rented out or taken back.

Simple, transparent, secure.

The iQ TrackIT platform enables efficient and effective management of standpipe inventory and at the same time offers a localization solution to ensure greater safety in the drinking water network.

A special GPS tracker is used to meet the demanding requirements of standpipe operations. The rugged housing can withstand even the toughest conditions. Localized via the GPS signal, the standpipe can be tracked to the meter.



## iQ waterGuard

The intelligent upgrade for water meters

When it comes to checking one's own water consumption or the year-end reading for the utility company, the majority of all 45 million water meters installed in Germany are usually only effort for the user.

Even if digital water meters or meter units with pulse interfaces are increasingly used in the future, they usually only offer advantages for the utility company. Up to now, end users have only been able to benefit passively from advanced water meters, e.g. through radio reading or similar...

**...this changes with the iQ waterGuard!**  
Installed and set up in just a few minutes it provides an overview of the current water consumption via smartphone, tablet or PC. It offers useful additional functions, such as alarms and e-mail notification when limits are exceeded or leaks are detected.



## iQ HydrON

Optimized irrigation for agriculture and municipalities

iQ HydrON is the further development of the standpipe management platform TrackIT.

It is perfectly tailored to the needs of agricultural businesses and provides a digital system for efficient irrigation of fields in agriculture.

By digitally recording hydrants and standpipes, a digital twin of the target area is created. In combination with the iQ Cloud, hydrants and standpipes can not only be located, but the digital recording of meter readings, consumption data and other important parameters is also made possible.

The further connection of various environmental sensors such as weather stations, moisture meters or monitoring systems to the iQ Cloud enables efficient monitoring and optimization of almost all irrigation processes.