DIEHL
Metering

IZAR SOFTWARE

THE SOFTWARE PACKAGE FOR FULL EFFICIENCY







Discover the new software generation from Diehl Metering. We have equipped our new software and service products with many new functions. For efficient processes and new cost-effectiveness. No risk. No investment. But secure.

IZAR SOFTWARE

ONE SOLUTION. FOR EFFICIENCY IN ALL PROCESSES.

Stay one step ahead of the energy revolution.

As water and energy providers, you are surely very interested in efficient and economical work processes. Because as part of the energy revolution and also European and international developments, legislators are placing ever greater demands on energy efficiency and environmental protection.

Diehl Metering offers high-performance solutions developed for the everyday work practices of water and energy providers. Solutions that can help you make full use of the potential of water and energy data. Solutions that adapt to new developments – and make long-term, strategic planning a possibility.

- FUTURE-PROOF SUSTAINABLE SOLUTIONS
- EFFICIENT WORK PROCESSES
- HIGH SAFETY STANDARDS & DATA SECURITY

CONVENIENTLY RENT OUR SOFTWARE "AS A SERVICE"

As of today Diehl Metering is operating a large number of hosted instances for customers, with increasing demand. Customers can easily subscribe to that service. It can be used at any time via an internet browser – further software installation is no longer necessary. An annual usage-based fee will be charged for this.

As a strong partner for water and energy suppliers, Diehl Metering ensures that the IZAR PLUS Portal is always equipped with state-of-the-art technology. Of course, it all complies with the highest German and European safety standards and data protection guidelines. The server infrastructure upon which the IZAR PLUS Portal is operated is certified according to ISO 27001. Data-centre and data security, IT administration, updates and upgrades are all included in the annual service fee. Concentrate on your core processes – Diehl Metering will do everything else.

Gain flexibility for the use of water and energy

As a water and energy provider, by choosing our IZAR PLUS software solution you keep all of your options open: instead of investing in a costly fixed network, you can get to know the benefits of automatic reading for a lower investment – and calmly accumulate experience. For example, via walk-by or drive-by reading.

If you later decide in favour of stationary reading, existing meters can be used without being changed. And existing data can also be integrated seamlessly using the IZAR software solution.

Choose full performance from a single source.

Diehl Metering offers a complete solution – from meters for water and thermal energy, through to system devices and software, right on to services. We have many years of experience in automatic meter reading (AMR).

Our IZAR software landscape is state of the art, is simple to use, compatible with common interfaces and can be flexibly adjusted to suit customer requirements. All that for a very cost-effective starting price. Speak to your consultant at Diehl Metering.



IZAR PLUS PORTAL

GAIN CONTROL OF YOUR DATA. ANYTIME, ANYWHERE.

With the new IZAR PLUS Portal, Diehl Metering offers a high-performance solution for efficient data management. For all reading methods, mobile and stationary. For all types of energy – water, thermal energy, gas and electricity. The "software as a service" is conveniently available to use online. On all devices. Economical. Secure.

DISCOVER THE NEW EFFICIENCY OF YOUR INFRASTRUCTURE.

The IZAR PLUS Portal allows all processes to be organised at a glance – from meter reading to data management and analysis right through to billing preparation. Being an integrated software landscape, the IZAR PLUS Portal supports both mobile reading and the operation of a fixed network. Consumption data for water, thermal energy, gas and electricity are administered centrally.

Diehl Metering offers you the IZAR PLUS Portal online – "as a service". Thus you can access it using any operating system, even when you're on the go. Direct messaging when threshold values are exceeded and alarms are triggered makes monitoring your infrastructure much more efficient. Customer-specific queries and analyses can be carried out quickly and flexibly based on the collected data.

Save energy, time and money.

Optimise all processes via the IZAR PLUS Portal. With the flexible route planner, you can plan quick and economical reading. Automatic synchronisation of all devices ensures that data is always up-to-date, and enables efficient workflow.

Utilise the intelligent analyses options to immediately identify leaks and pipe bursts – and remedy them effectively. The IZAR PLUS Portal allows for clearly-structured monitoring of operating temperatures in heating networks. Targeted optimisation will help you save on costs. This reduces the usage of water, fuel and pumping current – and decreases emission of CO_2 and other harmful substances.

With the help of the IZAR PLUS Portal, you can offer your end customers whole new added value, e.g. via customer apps. In this way you help consumers optimise and become more familiar with their own consumption.

A solution for all challenges.

Diehl Metering's IZAR PLUS Portal is for small and medium sized energy companies, public utilities and industrial customers with high data granularity. The solution reveals its highest level of efficiency when used to read a multi-utility infrastructure, but also ensures new economic efficiency when used to read an individual medium.

The IZAR PLUS Portal was specifically developed for the current and future problems facing our customers: mobile and stationary readings, configuration of meters and systems, management of the meter infrastructure and tours are all managed centrally in one system. If required, it is possible to carry out data analyses and system and network monitoring at 15 minute intervals – and form the basis for annual or monthly consumption billing. Various interfaces to several third-party systems are available, for example for billing or geo-information.

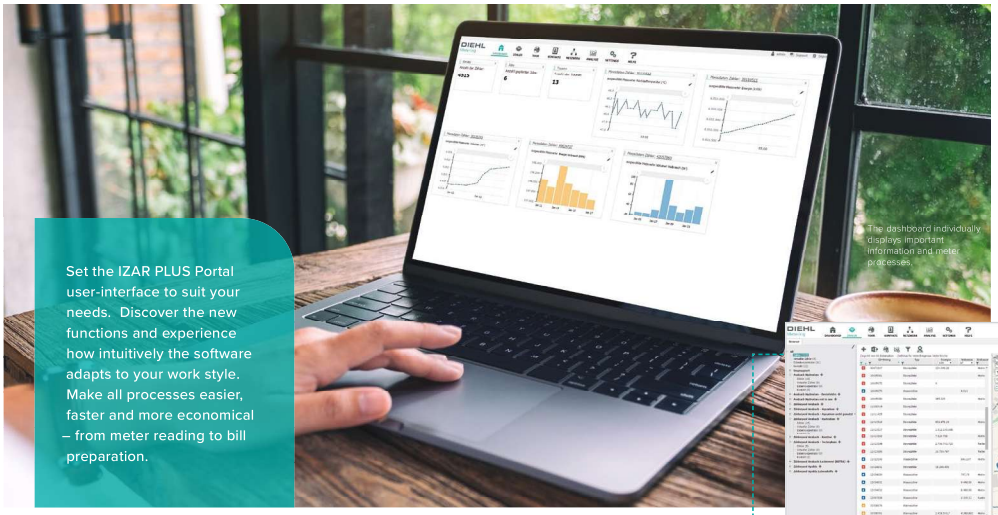
IZAR@NET 2

Efficiency can also be installed locally.
If you do not wish to use the Diehl Metering software online "as a service", you can install a similar solution on your own servers and PCs: with the relaunch of our IZAR@NET 2 software, we also offer local on-site installation for industry customers and water and energy providers.

Sustainable optimisation of your data management.
IZAR@NET 2 includes all of the essential functions for efficiently processing consumption data for water, thermal energy, gas and electricity. This solution also allows you to organise and manage meter reading efficiently and intuitively via a mobile infrastructure or fixed network. IT administration, maintenance and updates are in your own hands.

MAKE YOUR WORK EASIER.

AND MORE ECONOMICAL WITH THE IZAR PLUS PORTAL.



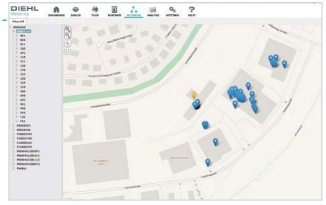
Set the IZAR PLUS Portal user-interface to suit your needs. Discover the new functions and experience how intuitively the software adapts to your work style. Make all processes easier, faster and more economical – from meter reading to bill preparation.

The dashboard individually displays important information and meter processes.

By choosing "meters" from the menu, you can compare the map view with the data.



The detailed meter view provides information on consumption, locations and customer details.



The whole network is presented at a glance in the map view.

This software adapts to suit your style.

The IZAR PLUS Portal offers you constant access to the processes in your meter infrastructure – for data that is always up-to-date. Simply log in on your PC – or via your tablet or smartphone.

The dashboard displays important information at a glance – graphs, reports and alarms. You can customise the dashboard to your individual needs.

The meter management view offers various access routes:

- interactive map for graphic organisation of meters and reading tours
- list view of all meters, can be filtered in various ways
- tree view for customised meter grouping

"Jobs" means all tasks that should be handled using the software. Background jobs run as automatic tasks in the background.
All system components in your remote reading infrastructure are listed under "devices" – meters, data concentrators, etc.
In the detailed meter view, you can learn everything about meter location, assigned contacts, measurement values such as volume, flow and return temperatures, alarms or individual encryptions. Water and energy consumption are represented on bar charts.

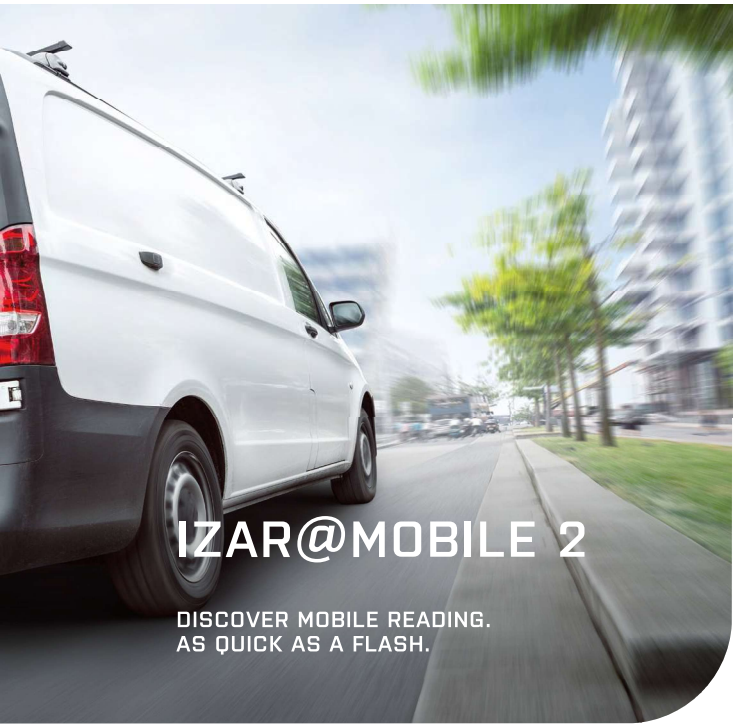
Make use of intelligent functions.

Plan walk-by or drive-by reading routes with the help of the interactive map. Tours can be synchronised with the IZAR@MOBILE 2 software. Only relevant meters are shown – successfully read meters are shown in green. If a meter is read incorrectly, the problem can first be analysed online before a service mechanic drives to the location.

Filter the database according to your individual requirements. For example, you can identify meters according to their dimensions. Or view all meters in a particular street.
Or you can arrange for meters that are in use for a specific time to be regularly monitored – and can replace them if necessary.
Automated reports provide information on maintenance cycles and leakages. If you wish, you can be notified of alarms via email.

Gain control of analysis tools.

Use the IZAR PLUS Portal's multi-faceted analysis and visualisation tools for data management and monitoring. For example, you can compare meter values from two different consumption periods. Threshold monitoring, defined for example according to temperature or consumption, keeps you informed via automatic email notifications. For example, by creating virtual meters you can add up readings from different meters – with IZAR PLUS Portal, the possibilities are endless.



IZAR@MOBILE 2

DISCOVER MOBILE READING. AS QUICK AS A FLASH.

The new IZAR@MOBILE 2 software was developed especially for the daily challenges faced by water and energy suppliers. Read the entire infrastructure manually or via walk-by or drive-by. Configure and change measuring devices with the same software. And experience the economic value of automatic meter reading (AMR).



SIMPLY WORK MORE EFFICIENTLY.

Read all meters for water, thermal energy, gas and electricity from a central platform using the IZAR@MOBILE 2 software. Genuine, electronically transmitted measurement values create an objective database. Use this as a base for implementing data management and services and preparing billing.

Give your customers consumption transparency and offer them a real-time bill based on real data. In this way, you reduce invoice disputes and the administrative expenses that come with them – especially when there is a change of tenant.

Make your entire reading process faster and more cost effective. By arranging appointments with end consumers, unsuccessful routes and time- and resource-intensive shaft inspections are a thing of the past.

Manage your infrastructure.

Gain an overview of all meter locations and alarms – at a glance, on one map. Thanks to an improved map view and touch operation, you have direct access and can analyse each meter individually. Profit from high-performance options for visualisation, planning and analysis.

Configure the meters and system devices using IZAR@MOBILE 2. Automate and document meter installation and replacement. And discover the potential your data has to offer.

Discover performance step-by-step

IZAR@MOBILE 2 was developed to meet the requirements of small and medium sized energy companies, public utilities and industrial customers.

Provide your infrastructure with a new, future-proof foundation with the help of intelligent reading technology, because the smart revolution is in full swing. With the IZAR@MOBILE 2 software, Diehl Metering is offering simple, high-performance, cost-effective access to automatic meter reading (AMR).

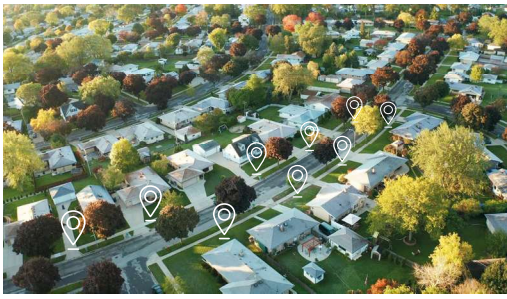
Test smart reading for yourself – no large investments required. All you need are radio-ready meters, radio receivers and a tablet or handheld – and you can start your walk-by or drive-by reading. You can later develop the meter infrastructure into a fixed network, in accordance with your strategic focus.

Profit from valuable synergies.

You can operate IZAR@MOBILE 2 autonomously as a standalone solution – and thus achieve astounding economic efficiency. Thanks to a standardised Excel interface, reading tours can be imported or exported directly in XLSX format – for exchange with billing systems.

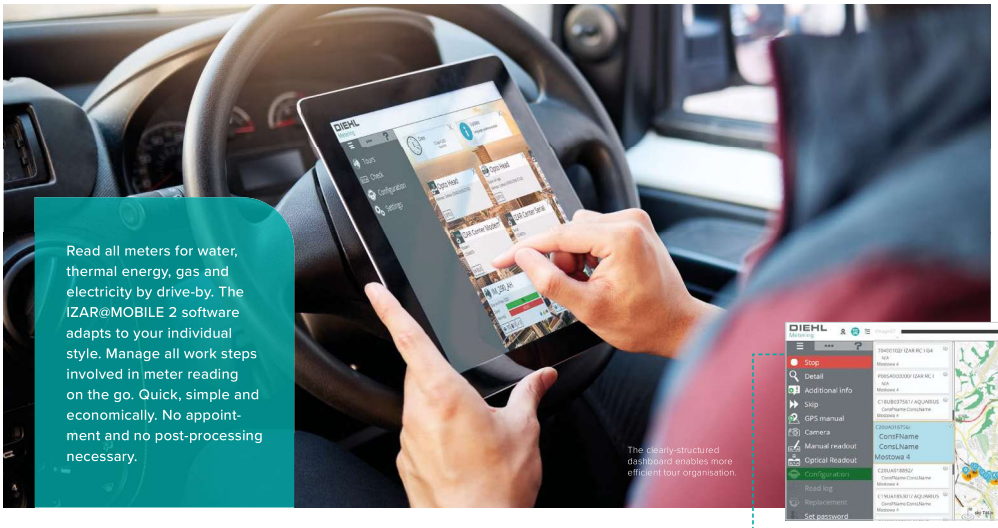
But you'll achieve the best added value if you use IZAR@MOBILE 2 in combination with the IZAR PLUS Portal. Discover many additional features and options for visualisation and analyses by combining with the IZAR software landscape.

Plan and manage configuration profiles and tours from a central platform – and send these to different mobile devices. Synchronise all data between the data management software and mobile reading devices. Securely encrypted. With just a click of your mouse.



MANAGE YOUR READINGS ON THE GO.

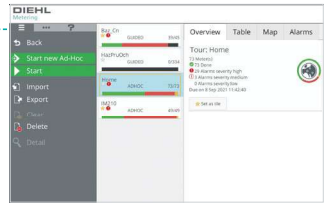
NO POST-PROCESSING NECESSARY. THANKS TO IZAR@MOBILE 2



Read all meters for water, thermal energy, gas and electricity by drive-by. The IZAR@MOBILE 2 software adapts to your individual style. Manage all work steps involved in meter reading on the go. Quick, simple and economically. No appointment and no post-processing necessary.

The clearly-structured dashboard enables more efficient tour organisation.

The tour view provides important information about meters and reading tours.



The live view shows the reception of the meter via GPS standard data.



Meters and customer data can be displayed and filtered in a table.

Automate your everyday processes.

Transform your tablet or handheld into an efficient meter reading tool – simply by connecting it with a radio receiver. You can also purchase the IZAR@MOBILE 2 tablet from Diehl Metering, completely equipped with the current software.

Use touch operation to adjust the dashboard to suit your individual working style. Tiles for reading tours and device configuration can be set up, moved or deleted as desired. The dashboard shows you an overview of current tasks and analyses – and displays commonly used functions so they can be selected directly. Select many other functions to suit your needs: change the table columns, select a specific alarm sound to be kept informed with regular updates.

Discover new efficiency.

Meter reading is completely automatic. And you don't have to drive along a specific route for it to work. The meters can be read securely from a distance of up to 400m – at a reading speed of up to 50km/h.

Even shafts and complex reading situations such as residential and industrial estates can be read automatically. Intelligent tour planning determines and records the best reading position.

Organise meter reading in real time.

Follow tours conveniently using the table or map view. Each meter is shown via a marker that lights up green when the meter is read – and then disappears from the map. In this way you can see the meters that still have to be read – in real time.

If the meter signals an alarm, the marker is displayed in red – and stays on the map. Thus the tour can be interrupted and troubleshooting performed directly on-site. With the IZAR@MOBILE 2, you can also configure meters and system devices. Simply select the relevant interface for the device. You could, for example, place an opto head on the meters. In this way, parameters can be read, changed and transmitted back to the measuring device.

Utilise the quick meter-changeover feature.

With the new "meter change" feature, you can replace devices simply during operation – without loss of data. The tour with the meters that need to be changed will be created in IZAR PLUS Portal or IZAR@NET 2 and transferred to IZAR@MOBILE 2. The technician simply follows the reading route and reads the "old" meter, before he removes it from operation. When the new meter is installed, the meter readings are automatically linked and transmitted back to IZAR PLUS Portal or IZAR@NET 2. This ensures seamless and correct billing for the relevant date.

Technicians can therefore use IZAR@MOBILE 2 to document their work when installing or changing meters – and thus pass on the most important information to their colleagues.

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