

DIEHL
Metering

ENERGY EFFICIENCY DIRECTIVE (EED)

New legal regulations for a
greener future

17,212 m³

3.6 m³/h

64 °C



THE EED'S AIM: REDUCTION OF ENERGY CONSUMPTION

INFORMATION LAYS THE FOUNDATION OF
BEHAVIORAL CHANGE

Remotely readable meters and heat cost allocators & more transparency of energy consumption for consumers: these are the two main targets of the European Union's revised Energy Efficiency Directive (EED).

With our solutions, you already meet the requirements of the EED today.

Objectives of the EED

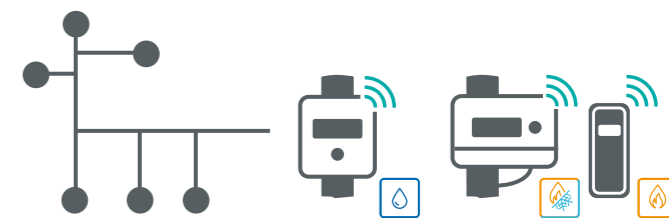
The greater objective of the EED is to reduce energy consumption within the EU until 2030 by 32.5% compared to the consumption projections made in 2007. In EU households, heating and hot water alone account for 79% of total final energy consumption.* Achieving the EED goal will require changes to consumption behavior, especially in the supply of heating, cooling and hot water.

In order to create awareness among consumers and motivate them to be more conscious of their consumption behavior, the EED demands that smart meters and heat cost allocators provide consumers with insights about their own energy and hot water consumption throughout the year. All to save resources – ecologically and financially.

* Mapping and analyses of the current and future (2020 - 2030) heating/cooling fuel deployment study, 2017.

IMPACT OF THE EED

NEW REQUIREMENTS FOR
THE REAL ESTATE INDUSTRY
& DISTRICT HEATING AND
COOLING SUPPLIERS:



Mandatory use of remotely readable measuring devices

The EED makes remote reading of meters and heat cost allocators standard. With the implementation of the EED in national law, only remotely readable hot water and heat/cooling meters as well as heat cost allocators shall be installed starting from **2020-10-25**.

From **2027-01-01**, all installed measuring devices for heating, cooling and hot water must be capable of remote reading. By this date, meters and heat cost allocators that have already been installed but are not remotely readable must either be replaced or retrofitted.

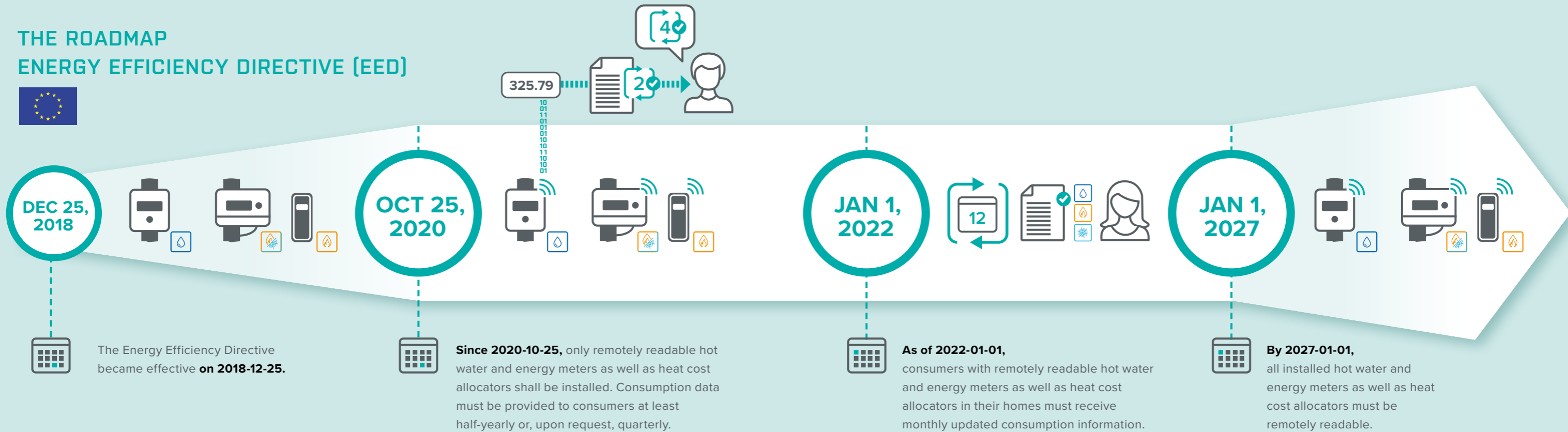


Consumption information for consumers during the year

Since **2020-10-25**, the EED obliges landlords and DHC suppliers to make consumption information available to consumers where remotely readable measuring devices for heating, cooling and hot water are installed at least every six months and, upon request, even quarterly.

From **2022-01-01**, consumers must be provided with monthly information on their energy and hot water consumption, assumed that the necessary metering technology is available in the building.

THE ROADMAP ENERGY EFFICIENCY DIRECTIVE (EED)



WITH OUR FUTURE-PROOF SOLUTIONS, YOU'RE ALREADY EED COMPLIANT TODAY

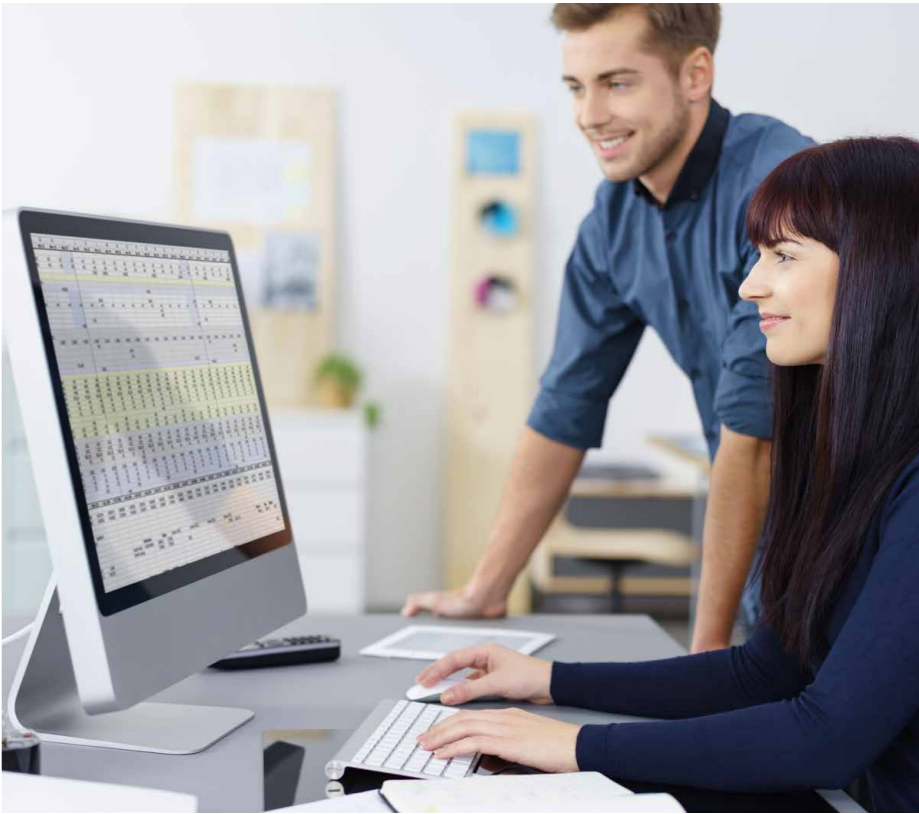
Use our communicating measuring devices for water, heating and cooling. The consumption values can be read out via Walk-by/Drive-by or fully automatically via a Diehl Metering Fixed Network using our reliable and manufacturer-independent radio communication. For both read-out variants, our IZAR Meter Data Management software displays all data clearly. These can be easily exported to your billing software.

In addition to the efficient collection of billing-relevant values, the high data timeliness enables continuous monitoring of consumption anomalies such as leakages and device conditions. The remote transmission of readings is a prerequisite for compliance with the EED. In addition, the applied OMS standard ensures freedom of choice for the future. With our IZAR@HOME app, you can easily ensure that consumers have access to consumption information at any time.



BENEFITS AT A GLANCE:

- ▶ Investment security through our communicating hot water and energy meters as well as our heat cost allocator
- ▶ Reliable, secure and EED compliant remote reading
- ▶ Comply with the EED requirement to provide consumers with consumption information during the year
- ▶ Transparency and interoperability through the use of the open OMS communication standard
- ▶ High acceptance among consumers: no disturbances through meter readers and clear consumption information
- ▶ Reduction of effort and expenses through process automation



RELIABLE AND INTUITIVE REMOTE READING OF CONSUMPTION DATA

We can offer you two EED compliant options for remote data reading:
Walk-by/Drive-by solution or Fixed Network solution.
With our IZAR@HOME app, you can make current energy and water consumption information available to consumers digitally during the year.



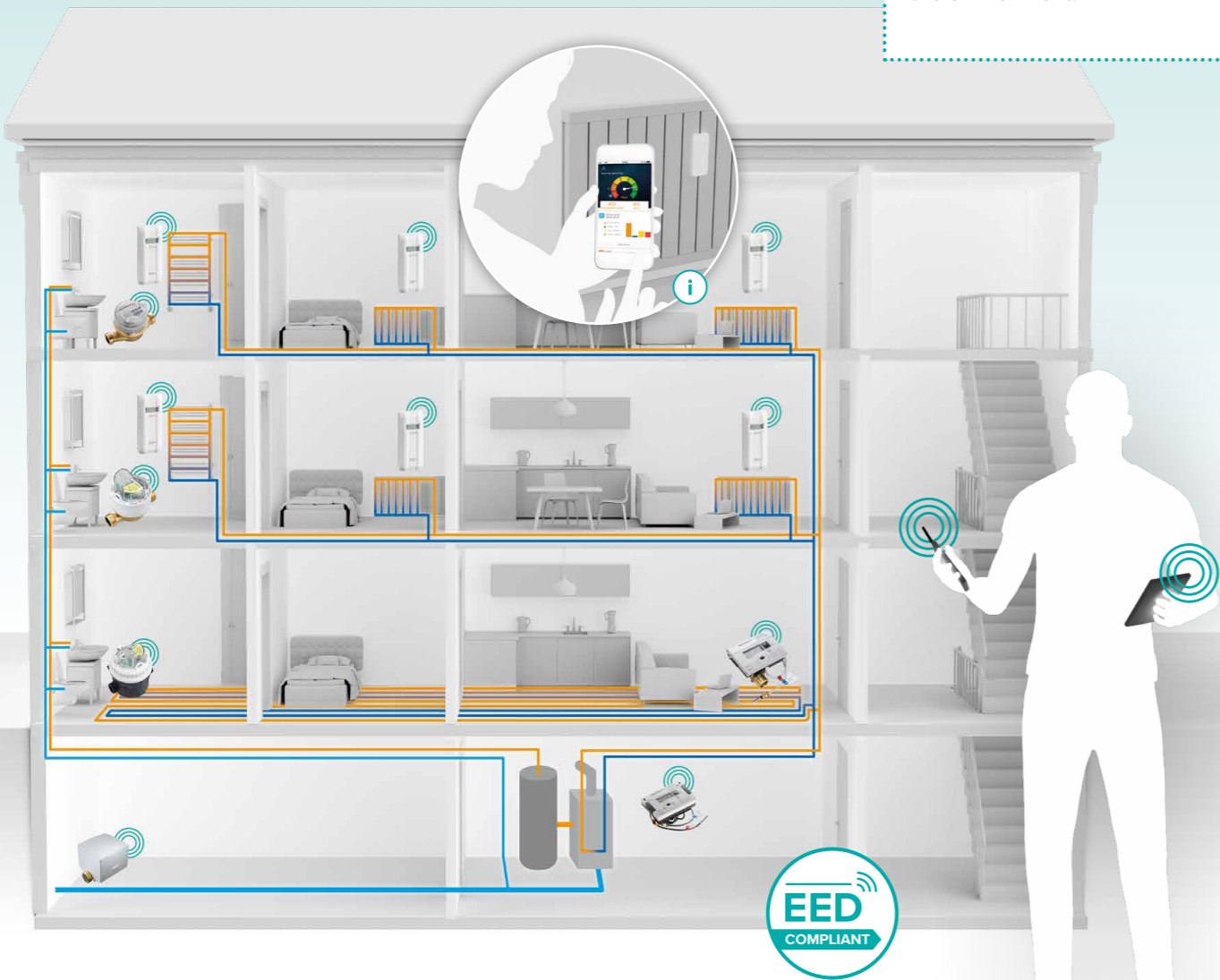
IZAR@HOME APP

Provide consumers with regular consumption information during the year.

Insights into consumption encourage changes in behaviour – benefitting both consumers and the environment.

Transparency helps to reduce consumption.

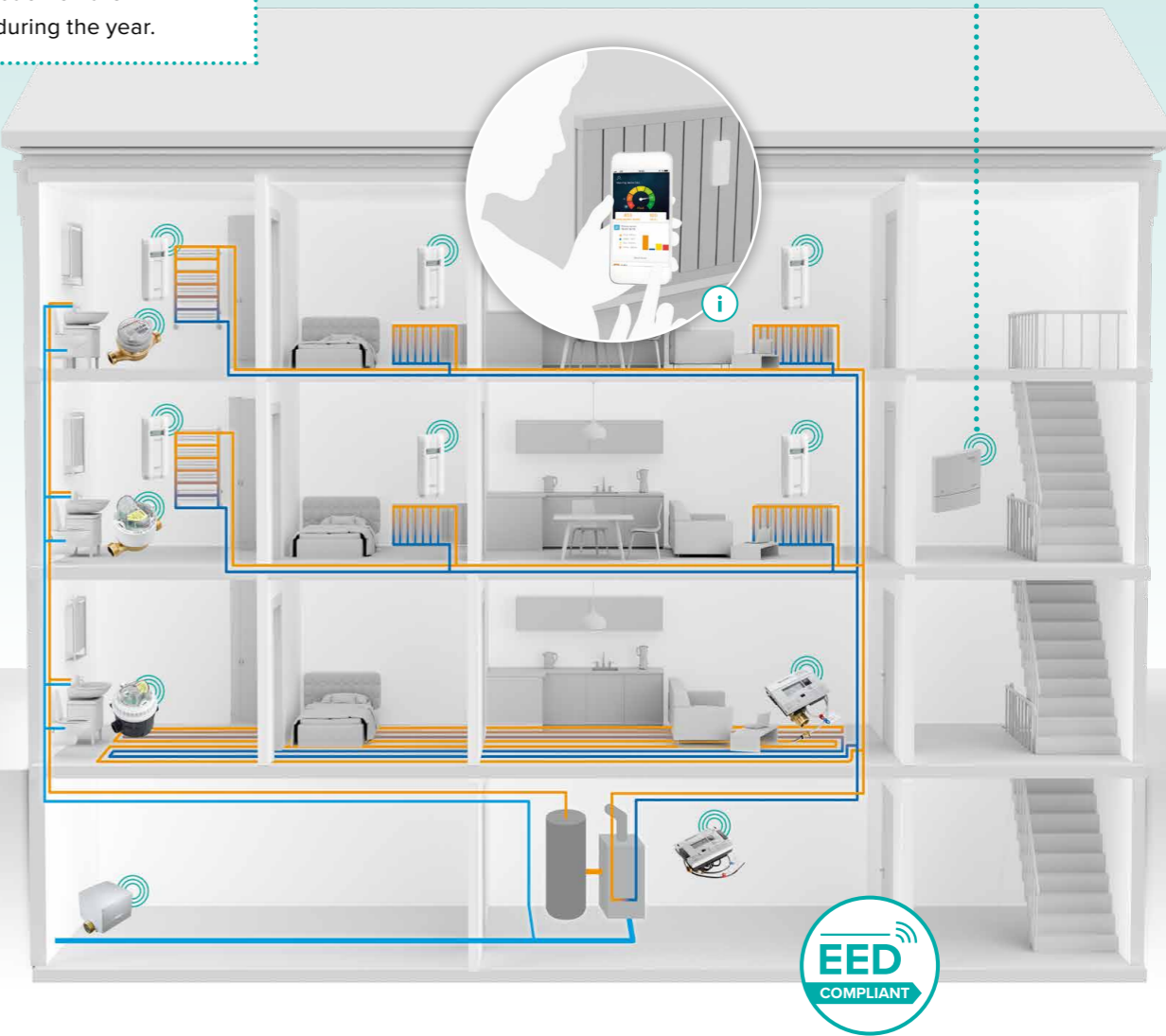
The international study “Subannual Billing Information for Heating and Water Costs” confirms the effectiveness of subannual consumption information. Consumers can save 7 to 12 % of their annual heating and hot water consumption by receiving regular information on their consumption during the year.



WALK-BY/DRIVE-BY SOLUTION

Mobile reading.

Our Walk-by/Drive-by solution enables meter readers to collect consumption data using a portable receiver while walking/driving by, without the need to enter the consumer's home.



FIXED NETWORK SOLUTION

Fully automatic remote reading.

In case of using our fully automatic remote reading solution, a stationary installed receiver collects data from each measuring device and forwards it automatically. Therefore, on-site readings are no longer necessary. These data protected remote readings will take place regularly.

