

kamstrup

It's time to unleash the potential
in real knowledge and give decision
makers the insights they need.

That's why we say

***IT'S TIME
TO KNOW***

Kamstrup in short

1,600 employees
400 R&D
engineers

75+

years of curiosity and innovation

403

mill. EUR turnover 2024

22

offices, more
than 80 partners
and active in 80+
countries



150
robots

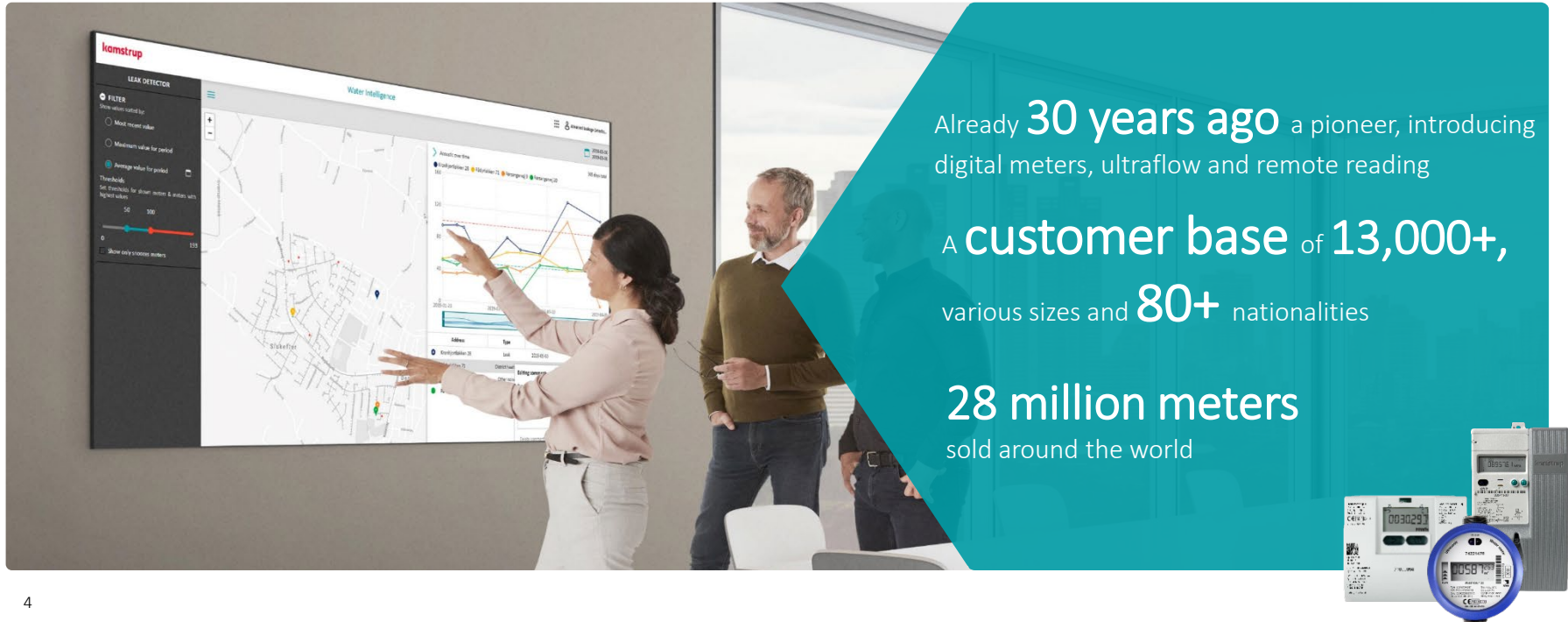


**We Make
What You Measure
Matter**

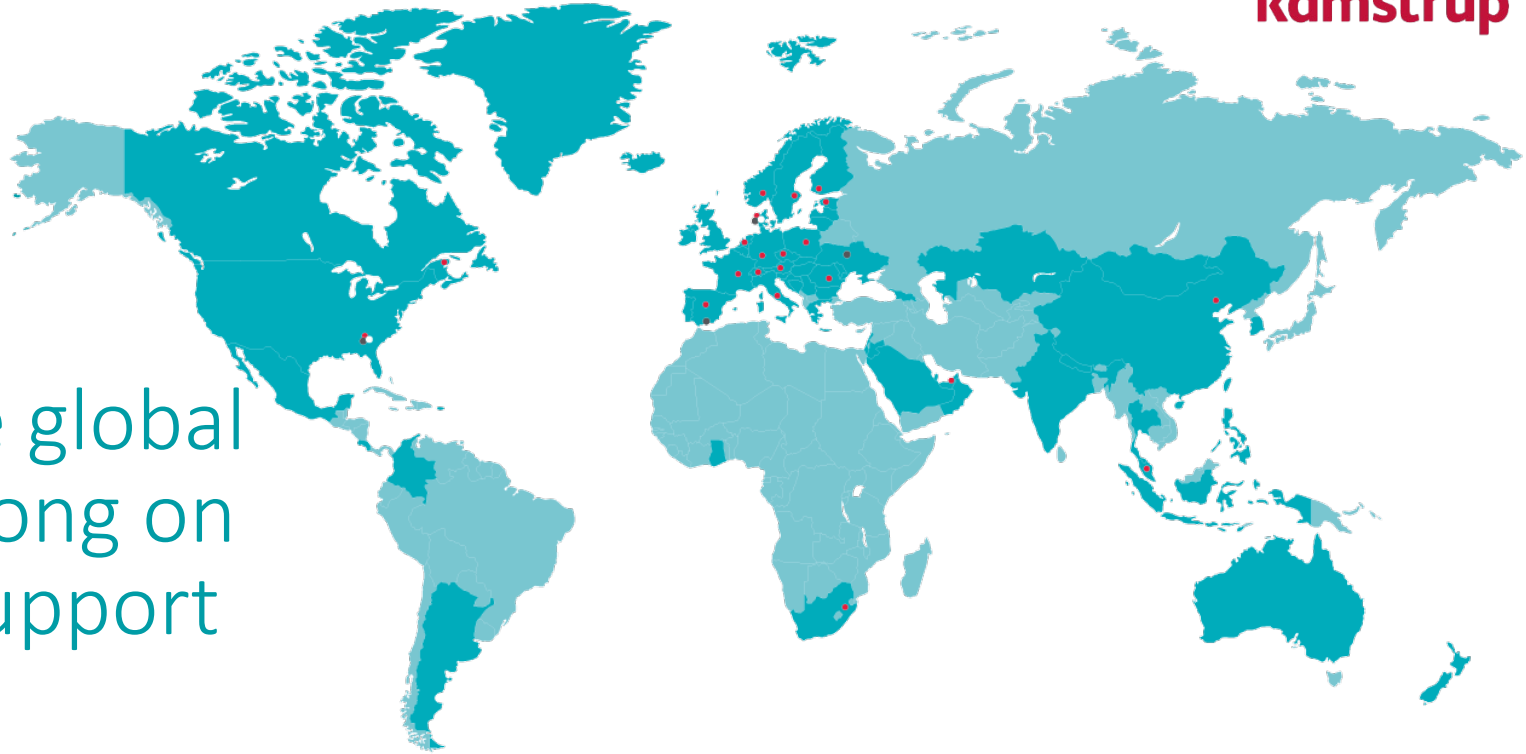
28,000,000 meters installed
around the world

Up to **12.8%**
of turnover invested in R&D

An experienced expert in intelligent metering



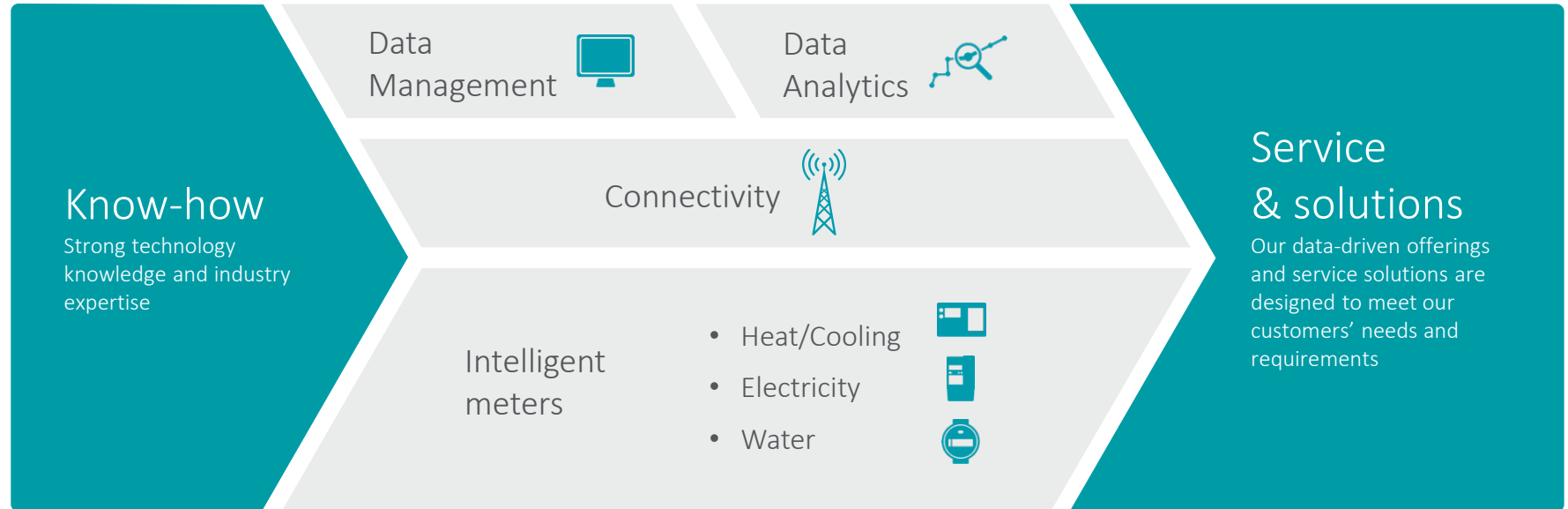
We are global
but strong on
local support



- Kamstrup offices
- Manufacturing sites
- Innovation and development
- Countries with sales activities

Offices in **22** countries | **80+** certified partners

Solutions to suit the need and digitalisation level of our customers



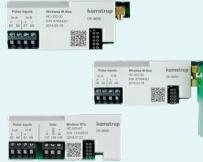
HARDWARE PRODUCTS

kamstrup

MULTICAL®



CONNECTIVITY



SURVEILLANCE & REVERCIATION



TEMPERATURE SENSOR



ULTRAFLOW®



ACCESSORIES & SPARE PARTS



HVAC

COMMUNICATION MODULES & PROTOCOLS

Technology characteristics

- Data transmission with low power consumption
- Coverage and communication range
- Possibility to enhance radio coverage
- Robust towards interference
- Interoperability in the full end-to-end solution
- Interoperability in meters with support for multiple vendors
- Low cost of end device
- Possibility to ensure reliable performance at reasonable cost (hourly data)
- Drive-by fallback solution



OMS-LPWAN	linkIQ ⁺	Wireless M-Bus	NB-IoT	LoRaWAN	2G/4G (230V)
+	+	+	+	+	+
+	+	+	+	+	+
+	+	+	+	+	+
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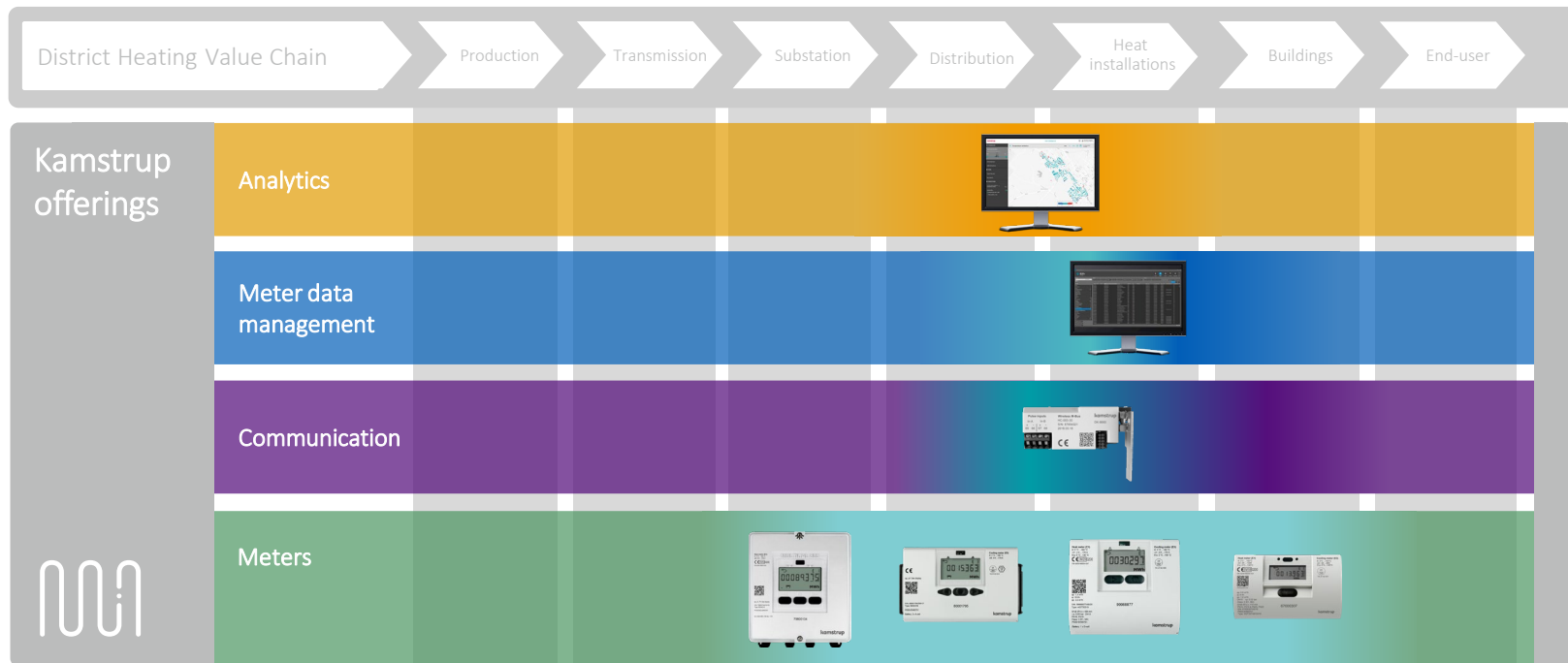
Suitability for different tasks

- Billing and end-user information (monthly data)
- Analytics
- Support of near real-time data (5-minute data intervals)
- Control of end-devices via two-way communication
- Data actuality upon receipt



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+	+	+	+	+	+
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Value chain overview – how are we positioned with our offerings?



USECASES & CUSTOMERS

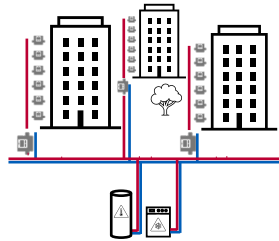
METERING SYSTEMS

District Heating & Cooling



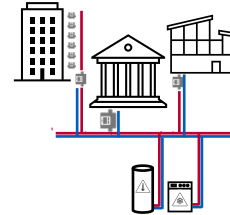
SUBMETERING

Residential, Commercial & Industrial



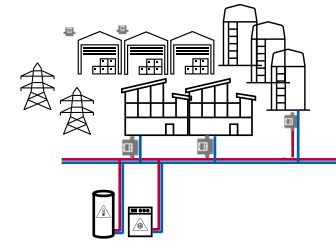
HVAC

Heating control, BMS &
Energy Efficiency Reporting



INDUSTRIAL

Heating plants, Data centres, Refrigeration
warehouses, Industrial heat pumps



“What is a thermal energy meter used for...”

Klausimai?

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