

# Company Presentation

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# 01

## General information



# Apator Group

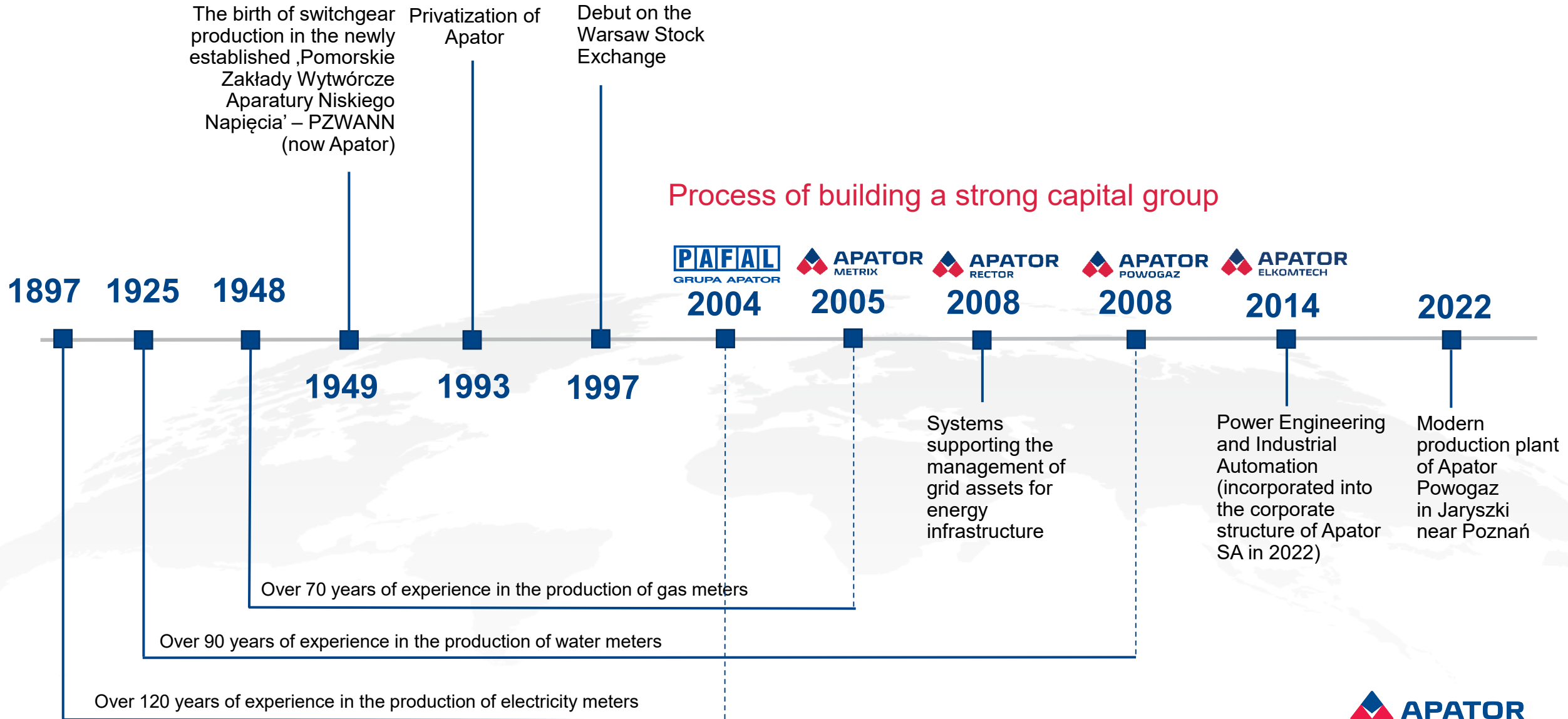
An international group of manufacturers of **measuring devices and systems**, providing solutions for the **automation of power grid operation**.

Developing solutions for **RES** and in the field of **automation and robotization** for industrial enterprises.

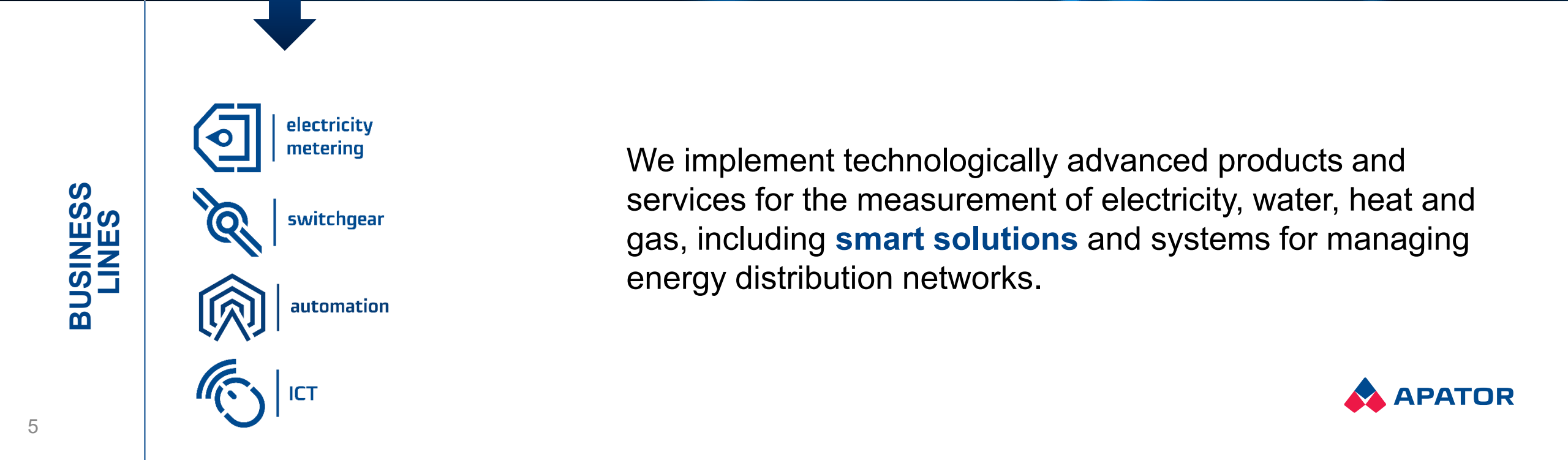


**Corporate video**  
Apator Group

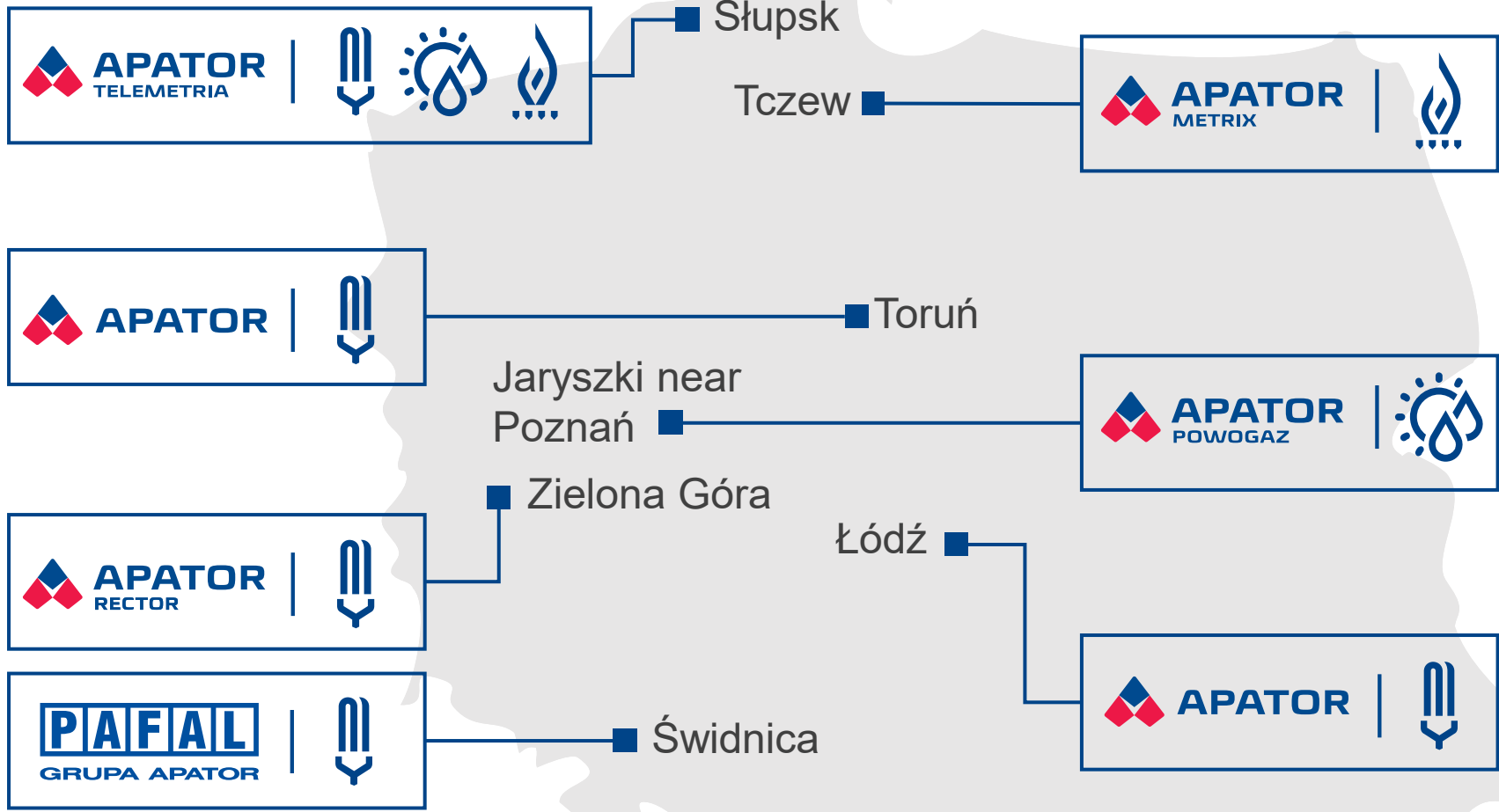
# History of Apator Group






# Apator Group's business model

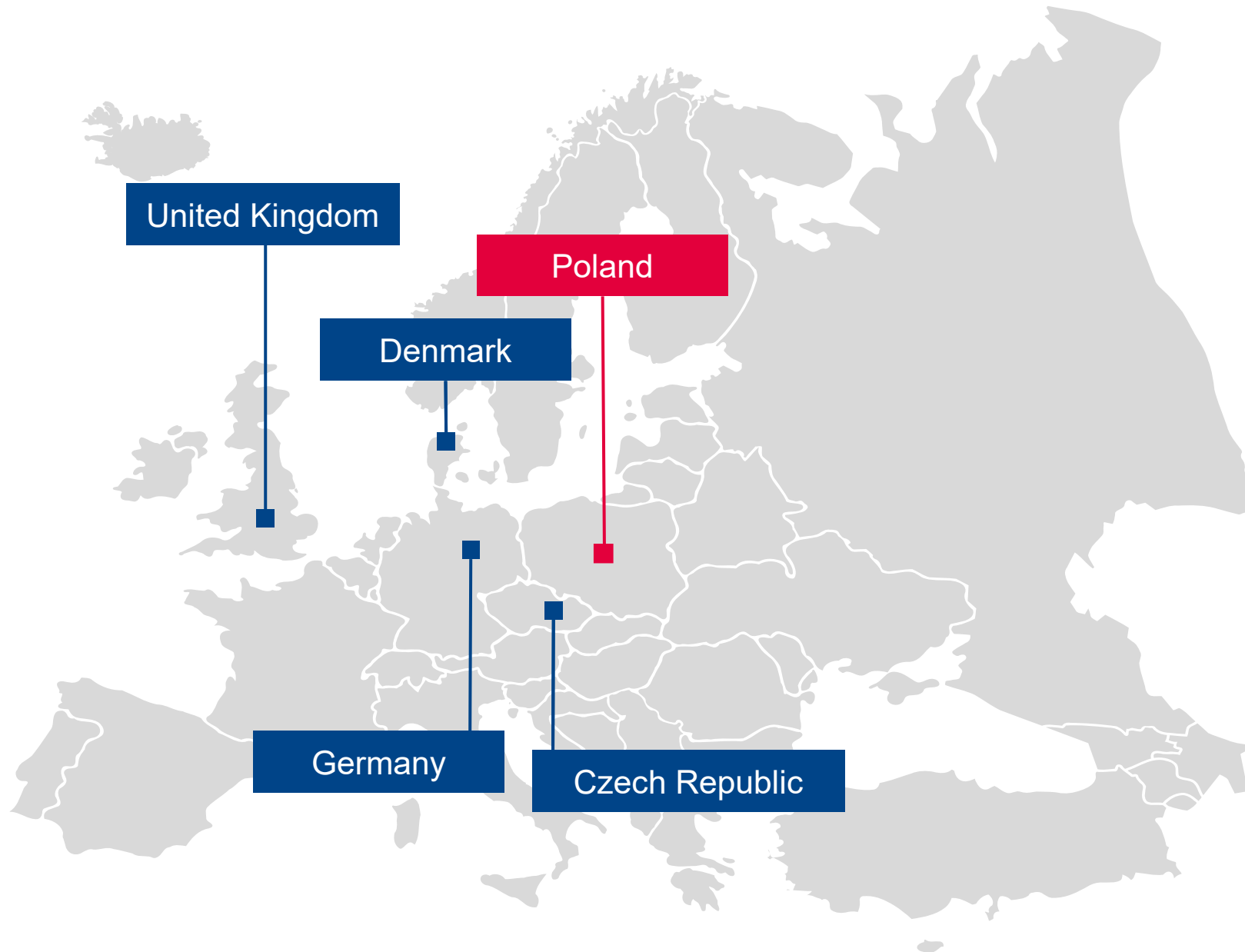


# Our activity in Poland



-  | electricity
-  | water&heat
-  | gas

# Our activity in Europe



# Primary production facilities in Poland



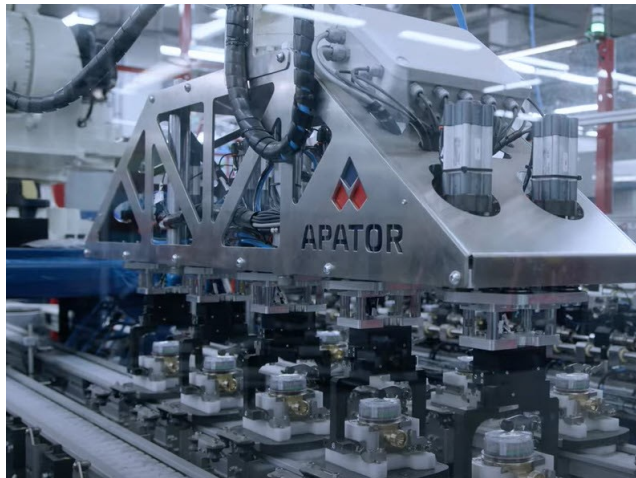
Ostaszewo near Toruń

Production of  
electricity meters  
and switchgear



Łódź

Production of  
automated  
protection systems  
and telemechanics



Jaryszki near Poznań

Production of  
water and heat  
meters



Tczew

Production of  
gas meters





# What we are proud of



Over  
**2,400**  
employees

**7**  
R&D offices

**11**  
companies  
in the Group

**9**  
manufacturing  
plants



# 02

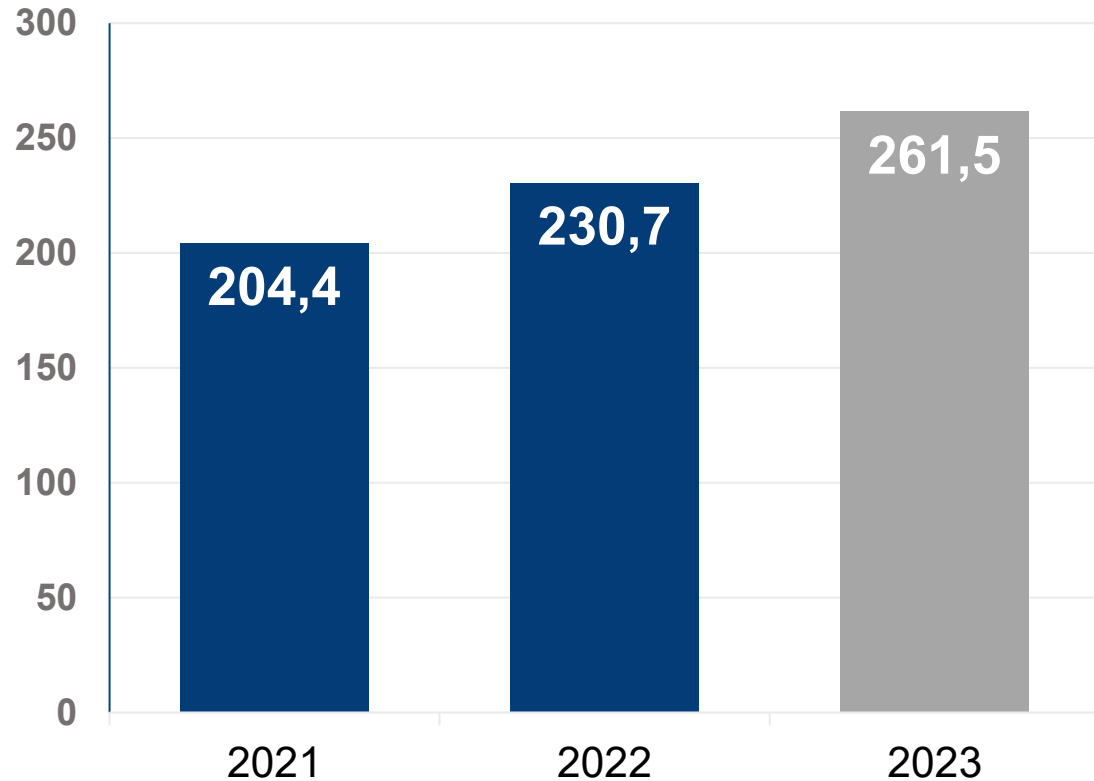
## Financial data



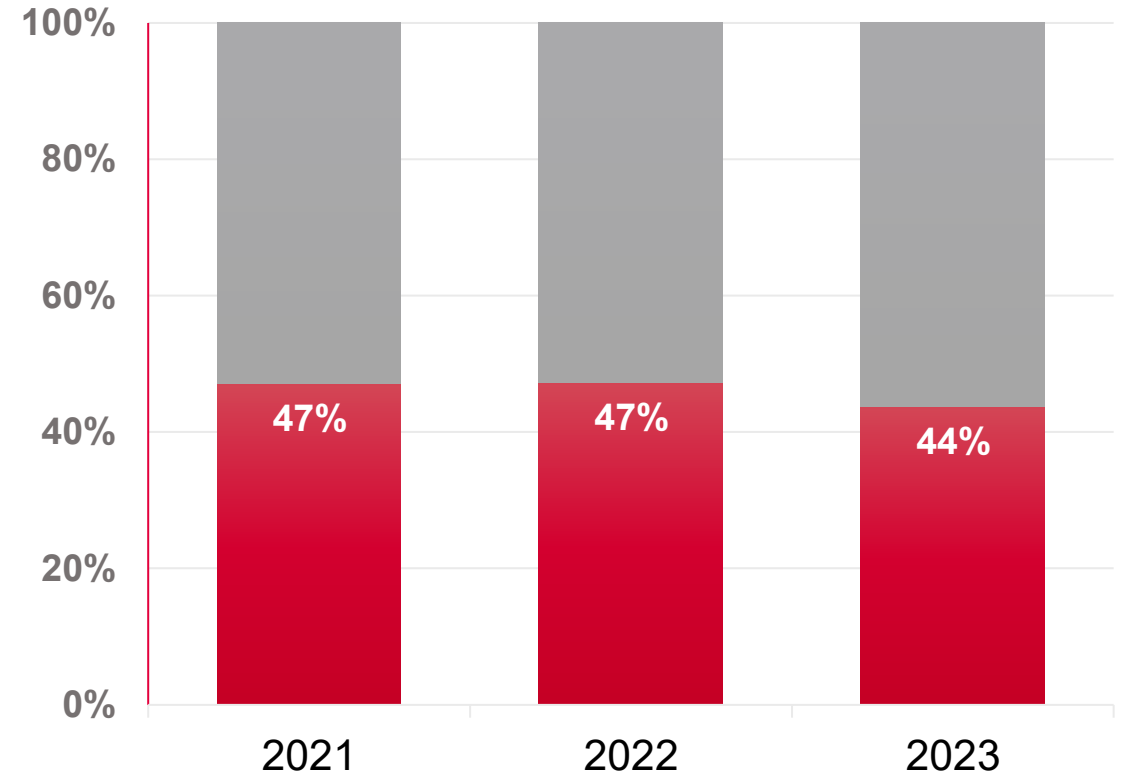
# Apator Group's revenues



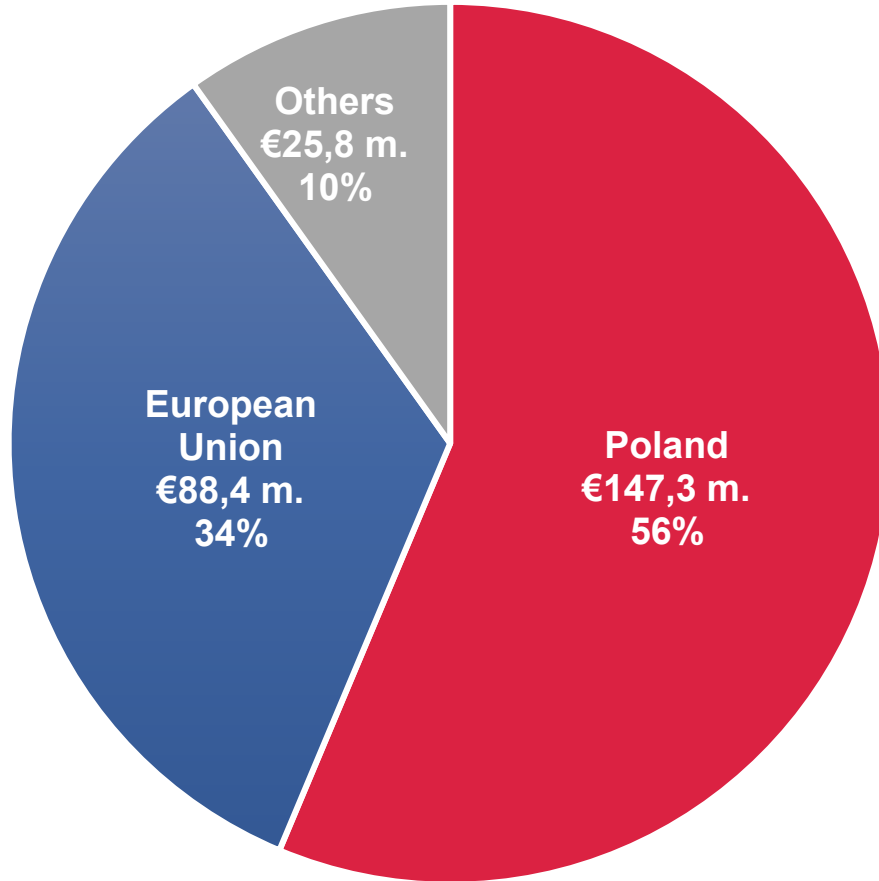
### Revenues – million EUR



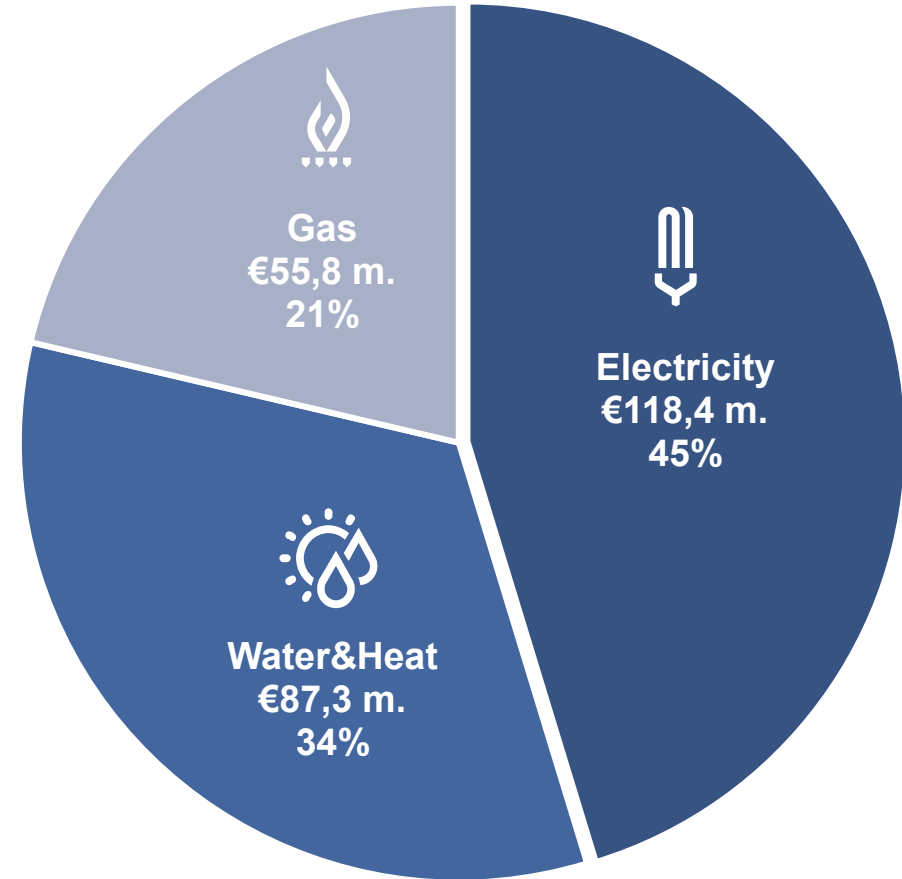
### Percentage of exports



# Revenues by sector



Revenues in specific geographical areas in 2023



Revenues in businessunits in 2023

# 04

## Product offer





# Electricity

4 business lines



electricity  
metering



electricity  
metering



switchgear



switchgear



automation



ICT



automation



ICT



**Distributed energy, electromobility  
and renewable energy**



# Electricity meters



electricity  
metering



switchgear



automation



ICT

- Smart meters OTUS 1, OTUS 3, LEPUS APOX+



- Residential meters NORAX 1, NORAX 3



- Prepaid meters LEW 1, LEW 3
- System meters CANGU, EQUUS



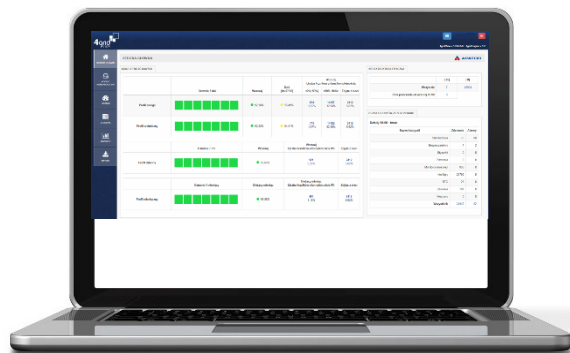
- Industrial meters smartESOX B,P,PP, smartESOX pro





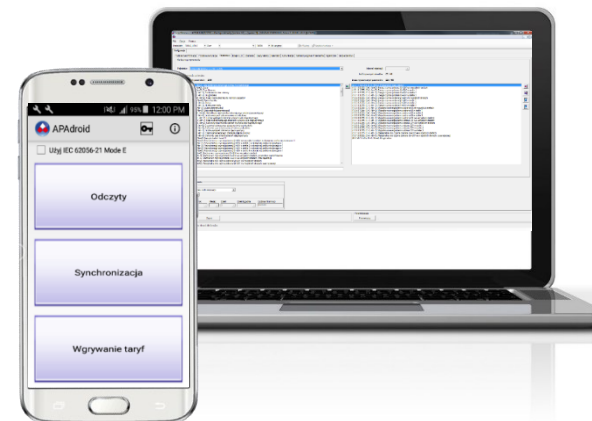
# System solutions

## Reading systems



- **4GRID** - HES class system (support of up to 500k meters per instance, modular structure allowing support of various meters and concentrators)
- GSM concentrator
- **AMRsystem** (previous generation system supporting PLC/DCSK meters)

## Tool software



- **smartPATRONUS** ((Meter utility application for Windows)
- **APMobile** (Meter utility application for Windows Mobile)
- **APAdroid** (Meter utility application for Android)



electricity  
metering



switchgear



automation



ICT





# Product groups



electricity  
metering



**ARS**  
Vertical fuse switch  
disconnectors



**ARS evo**  
Vertical fuse switch  
disconnectors



**RBK**  
Fuse switch disconnectors



**PBS**  
Vertical fuse bases



**60 mm system**



switchgear



**4G**  
Cam switches



**RA and RAB**  
Disconnectors with a spring  
powered drive  
and fuses



**mSDF**  
Disconnectors with a  
spring powered drive  
and fuses



**PBD**  
Fuse bases



**ASA, ASM, ASW**  
Lightning arresters



ICT



# Automation in energy and industry



electricity  
metering



switchgear



automation



ICT



## Smart devices and automated protection systems

- Smart controllers HV/MV/LV
- MV security
- HV security
- Substation automation (SCO, SZR, ARN)
- Short-circuit current flow indicators



## Telemechanics

- Scalable solutions
- Multiple connectivity types
- Open communication protocols
- Data concentration
- Conversion of protocols
- Solutions for HV/MV/LV stations



## Automation in energy

- Servo drives
- Solutions for industry
- Industrial energy distribution



# Smart network management



## SYSTEMS



electricity  
metering

### FDIR

A power restoration system which enables short-circuit location detection and appropriate fault isolation in order to restore power.



switchgear

### windEX network management

A real-time SCADA platform which enables analysis and aggregation of network data, particularly of failures. This tool also allows connection and work planning in the field.



automation



ICT





# Management systems



electricity  
metering



switchgear



automation



ICT



## Electricity production and distribution management

- Power grid asset management
- Investment management
- Connecting and registering customers
- Operation
- Engineering calculations
- Documentation and administration panel



## Distributed asset and resource management

- GISMO system for efficient management of lighting infrastructure



## Data acquisition services

- Network passporting
- Energy efficiency audit
- Visual inspection of the technical condition
- Additional services



# Distributed energy and renewable energy

We look to the future and focus on solutions for Renewable Energy Sources.

Our products and systems help:

- manage energy
- take care of investment security
- obtain data

We offer comprehensive solutions for renewable energy. Following the current transformation in the energy sector, we want to play an essential role in the positive change that will allow the Earth and its wealth to be preserved for future generations.





# Energy storage in the energy transformation

- Effective use of local resources, including renewable energy (PV, wind, geothermal energy, waste incineration and biogas plants)
- Independence of energy production from demand hours
- Development of decentralized energy
- Development of energy communities (cooperatives, energy clusters), support for smart grids and electromobility
- Improvement of energy efficiency
- Increasing the level of energy security



## Application:

Manufacturing  
sector

Transmission  
and distribution

RES

End-consumer





# Residential profile

Water

## JS Smart D+



Single-jet vane-wheel dry water meters (DN15-20, till R200)

## JS Smart C+



Single-jet vane-wheel dry water meters (DN15-20, till R160)

## JS Smart+



Single-jet vane-wheel dry water meters (DN15-20, till R100)

Heat

## Elf 2



Compact heat and cooling meter with a propeller flow sensor (DN15-20)

## Invonic 2



Hybrid heating and cooling energy meter with an ultrasonic flow sensor (DN15-100)

## E-ITN



Heat cost allocator





# Professional profile

Water

## Ultrimis



Ultrasonic water meter  
(DN15-50)

## Master C+



Single-jet  
vane-wheel dry  
water meters  
(DN25-40)

## MWN



Propeller water  
meters (Woltman)  
with horizontal  
rotor axis  
(DN40-500)

## MWN/JS



Compound water  
meters with spring  
valves  
(DN50-150)

Heat

## Faun



Electronic calculators  
for heating and cooling  
meters

## Sharky 473



Ultrasonic flow  
sensors for heat  
meters

## JS90-NC JS130-NC



Single-jet vane-  
wheel heat meter  
flow transducers  
(DN15-40)

## MWN 130-NC



Heat meter propeller flow  
transducers (DN40-300)







# Gas



**Domestic  
diaphragm gas  
meters**



**Industrial  
diaphragm  
gas meters**



**Smart gas  
measurement**



**Automation  
and ICT**



# Smart gas metering with remote reading capabilities

## hybridSMART

Smart diaphragm gas meters with an automatic reading system (**AMR - Automatic Meter Reading**). Wireless communication via M-BUS module



## iSMART2

Innovative measurement device designed for the emerging market of smart gas networks. Equipped with a **remote reading function**.





# Utility management system OMNITORUS

## OMNITORUS

A utility management system designed for those who wish to plan and analyze their purchase costs on an ongoing basis.

OMNITORUS identifies critical areas where optimization is necessary to reduce current costs and rationally plan future expenses.

It is also a utility billing tool and a data set for optimization.

### Recipient:

Industry and  
businesses

Management

Public utility





Thank you for your attention

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