

A stylized logo consisting of several overlapping, curved leaf-like shapes. The top-most shape is blue, followed by a light green, a medium green, and a dark green. The shapes are arranged in a fan-like pattern, pointing towards the right.

GEODE
Position Paper on Smart Metering

Tomas Arnewid

G E  D E

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GEODE Smart Metering Position Paper

- GEODE
- Overview
- GEODE position



Who we are?

Independent Distributors

- **Founded in 1991**
- Represents more than **600 independent electricity and gas distribution companies** from **12 European countries**
- Our members are independent companies, public and private owned
- Our members supply more that **100 million people**
- Countries represented:
 - **Denmark**
 - **Germany**
 - **Norway**
 - **Sweden**
 - **Hungary**
 - **Austria**
 - **France**
 - **Italy**
 - **Spain**
 - **Switzerland**
 - **Slovenia**
 - **United Kingdom**



Overview

SMART METERING an issue addressed throughout the world:

- USA: California, Texas and others
- Australia
- Europe

Meter stock:

- 253 M electricity Meters in EU
 - >60% is in Germany, France, Italy, UK & Spain
- 109 M gas Meters in EU
 - >80% is in Germany, France, Italy, UK, NL, Poland & Spain

100 M SM to be installed in next 5 - 10 years in EU

Residential sector is second largest final user of energy

- 30% of total consumption



Drivers for Smart Metering

- Increasing Energy Efficiency
 - Main driver in Europe
 - Better informed customers will use less energy
- Improving billing accuracy
 - Main driver in Sweden
- Peak demand management
 - Main driver in USA, Australia
- Reducing losses due to fraud
 - Main driver in Italy
- Advancement of Smart Grids
- Enabling Renewables, micro-generation, distributed generation connection to the network
- E-mobility

GEODE supports the advancement of SM

- Increased energy efficiency
- Improved customer service
- Increase efficiency in the value chain

Responsability for Metering

DSO is the suitable actor to be responsible for and to manage the SM infrastructure

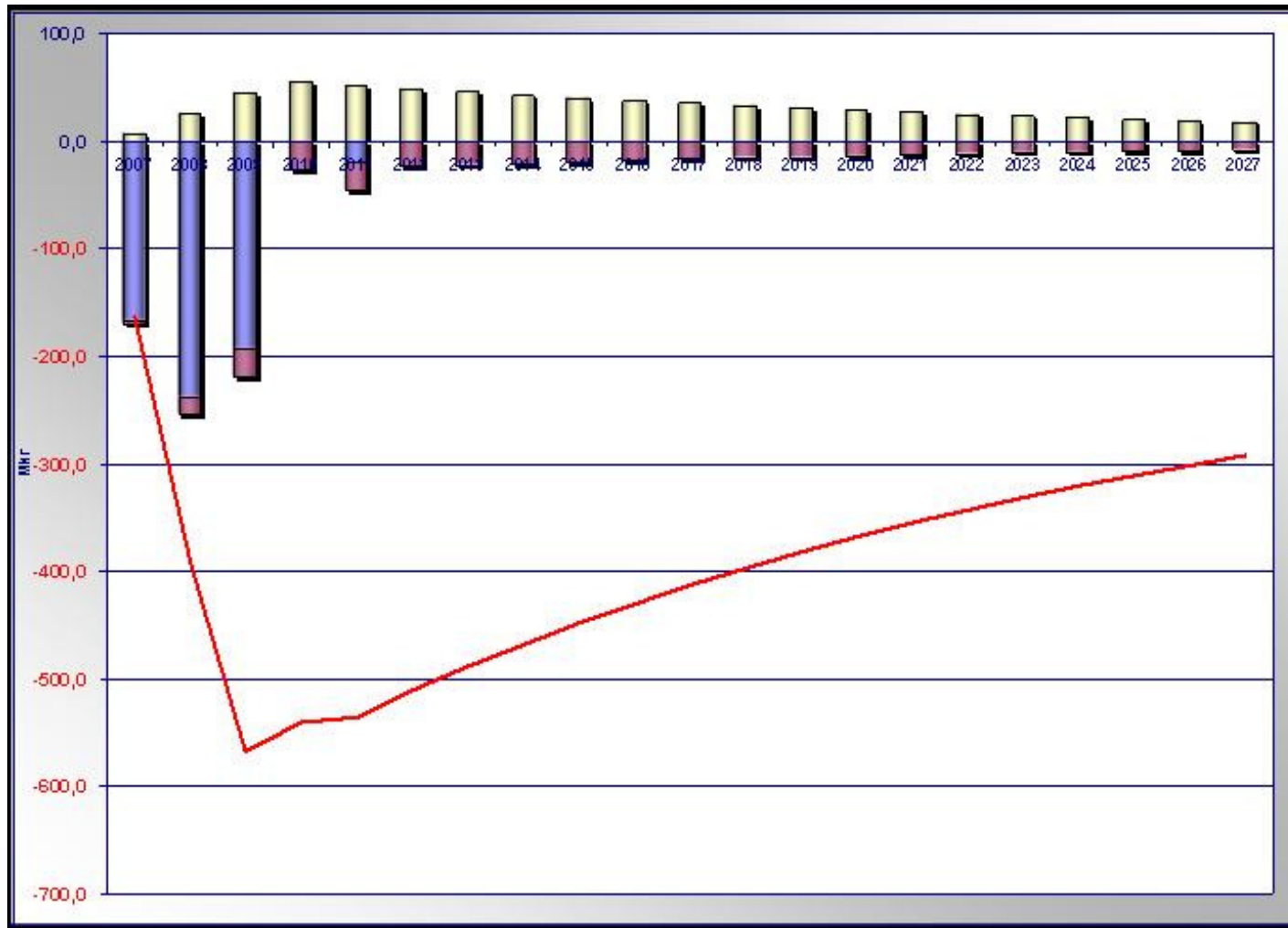
Responsability for Metering

23 OUT OF 25

Cost of Smart Metering

DSO must be given financial allowances in order to recoup costs of investment of Smart Metering implementation

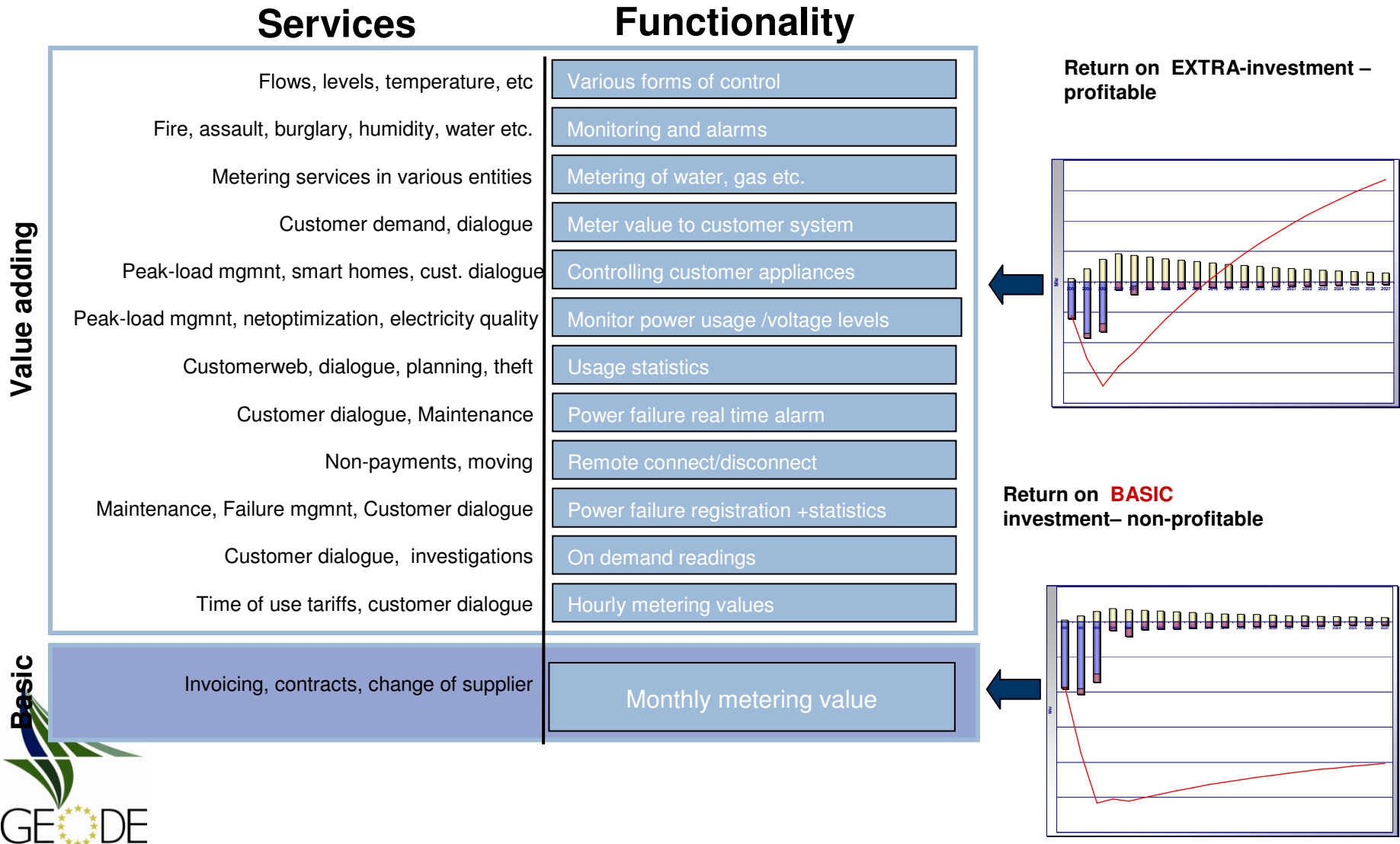
ROI – Typical for DSO?



Functionalities

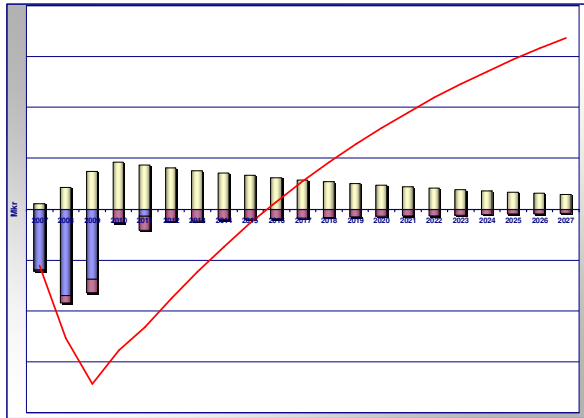
Important to define certain minimum Smart Meter functionalities across a country or EU.

AMR to AMM to AMI



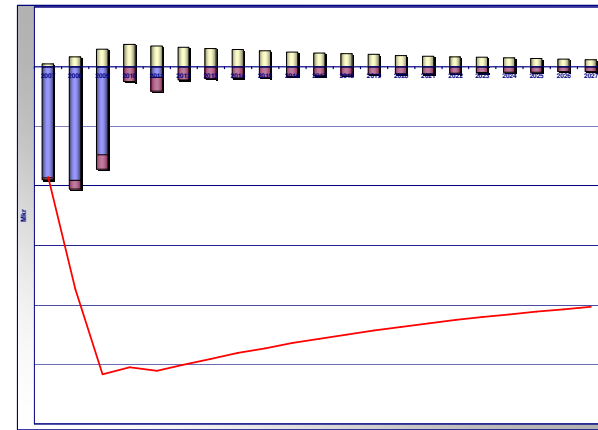
AMR to AMM to AMI

Return on **BASIC**
investment- non-profitable

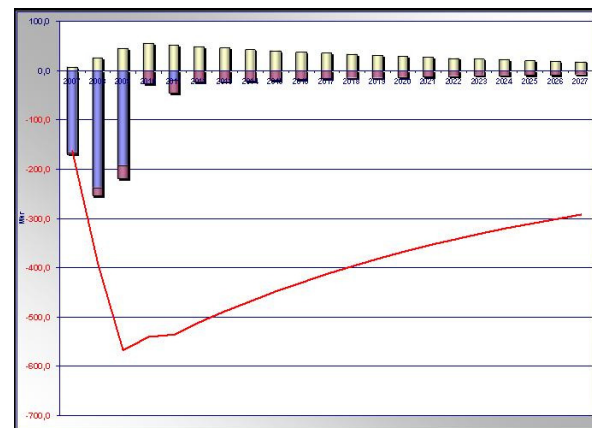


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Return on **EXTRA**-investment –
profitable



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Standardisation

- Need of standardization – on communication level
- GEODE supports the work being done by CENELEC (Commission's mandate)
- Procedures should speed up as much as possible

Customer concerns

Customer concerns over privacy issues, data handling and EMF must not be taken lightly and can increase costs or at worst stop installation or even roll-out of Smart Metering

Customer concerns



Psychotherapist

Incorrect metering
EMF
Privacy issues

Summary

- **GEODE** supports the implementation of Smart Metering
- **GEODE** holds that the DSO is the suitable actor to be responsible for and to manage the Smart Metering infrastructure
- **GEODE** stresses that the installation of Smart Metering Systems is a large investment for DSO. It is necessary that the DSO is given financial allowance in order to recover the cost.
- A minimum level of functionalities should be defined at national and European level, in order that all customers are given the same basic option of services.
- Standardisation at European level is needed and should be made on open communication level
- Customer concerns over privacy issues, data handling and EMF must not be taken lightly and can increase costs or at worst stop installation or even roll-out of Smart Metering



Thank you

www.geode-eu.org

E-mail: info@geode-eu.org

