ESMIG

EUROPEAN SMART METERING INDUSTRY GROUP

WE MAKE METERING SMART

Essential elements in the Smart Meter roll-out to realise consumer benefits

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The meter is moving…

From being simply a "cash register" for the energy company,

- Low voltage network is blind
- Only records electricity consumed (kWh)
- Manual readings

To being an operational component in the smart grid

- Remote Metering/Billing (consumption and generation)
- Monitoring of the network
- Control energy supply, pre-payment
- **Enablement of Consumer Services**

Consumer services

In order to create consumer engagement:

- The consumer has to be properly informed
- Functionally and economically attractive services must be offered in a competitive environment

Conditions:

- It must be based on an open and formally measured system (CEER: Reliable Affordable and Simple)
- Proper incentives must be in place for all stakeholders and cooperation is key
  1. Create an open multi channel infrastructure
  2. Offer commercial services
- Phased introduction:
  - Awareness through information (informative bills, IHD, etc.)
  - Home/Building energy management
- **The infrastructure (including the Smart Meter) should be able to support future consumer services, such as DR!**