Future Smart Metering runs on Open Source
Global and regional electricity consumption

Source: IEA reference scenario in World Energy Outlook 2009
A demand growth comparison of primary and electrical energy

Advanced Metering Infrastructure

• Big role in Smart Grids
• Next step to Automatic Meter Reading
• Two way communication
• Capable to control
  ➢ Big role in Demand Response
    (Kulutus jousto)
Demand Response

- Cut down the consumption
- Produce more energy
GuruxAMI
Advanced Measuring Infrastructure

- AMR can monitor, AMI can control.
- Planned to handle huge amounts of meters
Possibilities of GuruxAMI

DB Servers

GPRS / CDMA

Device Servers

PLC / RS485

GuruxAMI runs on Raspberry PI
2 big ideas behind Gurux products

Reasons why diverse metering environment and data collecting costs are not a problem anymore.
One reading application handles several protocols at the same time.

- Protocol A with Device X
- Protocol B with Device Y
- Protocol C with Device Z
We unify all parameters before collecting data

Quality of raw data becomes very high and no data clean-up needed.
Challenges 1.

- Project is very technical
- How companies find us
- Can OS be reliable?
  - Big companies like to make Business with big companies.
  - Recession increases fears
Challenges 2.

- Limited resources
  - Money
  - OS is not necessary means free
- First wins
Challenges 3.

• How to continue grow?
Thank you

http://www.gurux.org