

What is AMR?

AMR stands for Automatic Meter Reading.

Automatic meter reading, or AMR, is the technology of automatically collecting data from water meter or energy metering devices (water, gas, and electric) and transferring that data to a central database for billing and/or analyzing. This means that billing can be based on actual consumption rather than on an estimate based on previous consumption, giving customers better control of their use of electric energy, gas usage, or water consumption.

All energy companies must have information about their customer's power consumption. The information is used to calculate what the customers will pay for the electricity they use. Today most meters are read manually by the consumers themselves, who then send the reading to their supplier.

Benefits of AMR

Automatic meter reading simplifies the collection of meter data and makes energy companies more efficient.

Until now, energy companies have depended on the end customer to read and collect meter data. Without the correct information on the customer's consumption, the energy company cannot invoice the customer for the correct amount.

Using a system for automatic meter reading, all collection of meter data will be automatic. This makes it much easier for the end customer, and enables efficiency improvements with regard to the energy company's internal work routines and processes.

To summaries: AMR makes meter data collection easier for both the end customer and the energy companies.

PLC Technology:

Powerline communications (PLC) is a technology that transmits data over a standard powerline. An automatic meter-reading system (AMR) transmits billing information about customer power consumption from individual electricity meters over the PLC to a central administrative center. AMR does not require utility personnel to gather power consumption data manually from each customer