

## METERLINK Automatic Metering System - Overview

The system consists of three main elements:-

1. "Mainscom" electricity meters, these are conventional electricity meters but also have a remote reading and control capability for which no data cabling is required. Data is sent using power line communications over the existing power cables.



2. The LDC (Local Data Concentrator) is the equipment on site which reads the meters via the signals sent through the power cables. The unit is typically installed in the main switch room, usually one LDC is required per site, providing that the buildings are all on the same supply network.

The LDC...

- o Is housed in a wall mounting equipment cabinet
- o It requires a Three Phase and Neutral supply from a local isolator.
- o The LDC either requires a telephone line, cable or network connection to return meter readings to the computer running the Meterlink software.



3. The Meterlink Central Software, this program runs on a PC in the office where readings are to be taken, this may be situated locally or at a company's head office from where multiple sites may be monitored. The software has many advanced features, it reads the actual value displayed on the meters, detects meter tampering, manages client and billing data and may be used for load control and pre-payment metering.

