



## DF6000 Energy Acquisition and Billing Automation System

### General

The Energy Acquisition and Billing Automation System, DF6000 adopts the idea of systematization design, and applies advanced computer network communication and control technology, with hierarchical, distributed and open architecture. Full consideration has been given to the generality and practicality of the system, and advanced technology has been taken to fulfill automatic acquisition, transfer, storage, analysis, billing, management, supervision, print and WEB publication of the energy data of the transmission, distribution and consumer networks. The DF6000 system is supplied with interfaces with other systems such as DMS/EMS/MIS/LMS, which satisfies demands of electrical power energy suppliers of various .

### Features

- Automatic, complete, accurate, real time, flexible data acquisition, transfer, and storage of meters and terminal monitoring. Data will not be lost in the event of power failure.
- Metering unit and system operation monitoring and registration of metering tampering.
- Supplying original energy readings with MIS for the purpose of revenue and metering information share.
- Energy statistic. Fulfilling line loss statistics and analysis including fraud analyzing. Calculation & analysis of network loss, transformer loss, and bus unbalance.
- Monitoring of energy data of important grids of electrical networks.
- Computing electricity reliability.
- Statistics and analysis of voltage and power factor eligibility rate.
- Data browsing through Web, capable of integration with other systems between enterprises.
- Statistics of energy data with tariffs.
- Able to act as the information basis of mode of load integration with that of energy dispatching.



*Meter Assembly Line*



## System Modules

The application system software is of hierarchical and modular design, which consists of the basic system, expanded system and advanced application system. The above is expatiated below:

### 1) Basic system:

The basic system, which contains the system platform construction, is the most fundamental application software configuration and the basis of other systems. The basic system includes the following modules:

- Data acquisition
- Database management
- Archive management
- System management
- Statistics & analysis
- Reports & forms

### 2) Expanded system:

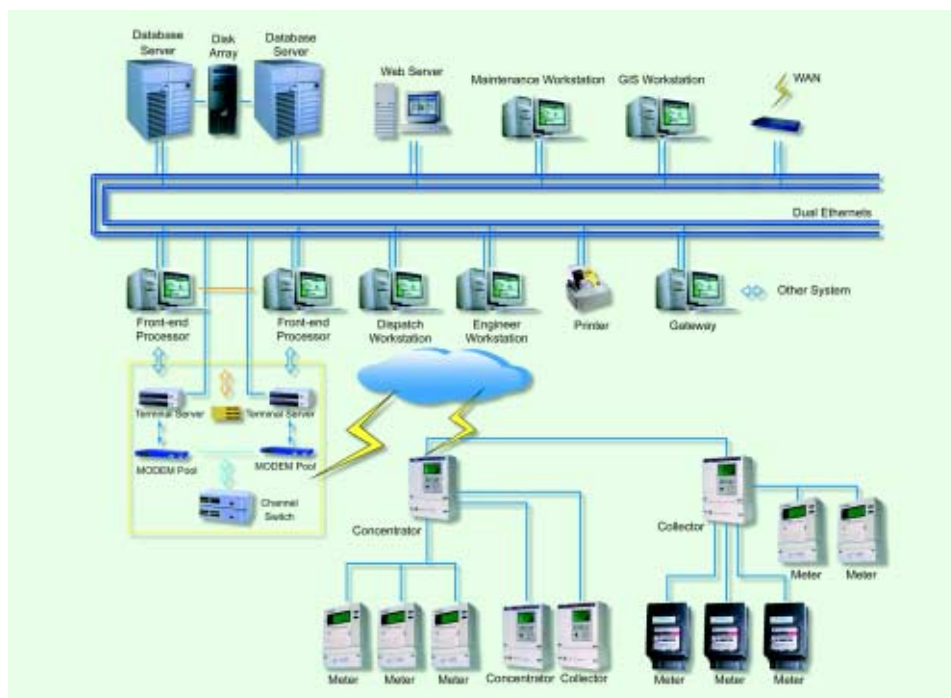
The expanded system consists of modules of expanded functions of the basic system.

- WEB browsing
- Graphics

### 3) Advanced application system:

The advanced application system fulfills the system's advanced application like analyzing function, and supporting decision-making.

- Evaluating
- Theoretical line loss analyzing
- Load prediction
- GIS™Geographic Information System™



DF6000 System Typical Configuration