

# BILLING MANAGEMENT SYSTEM

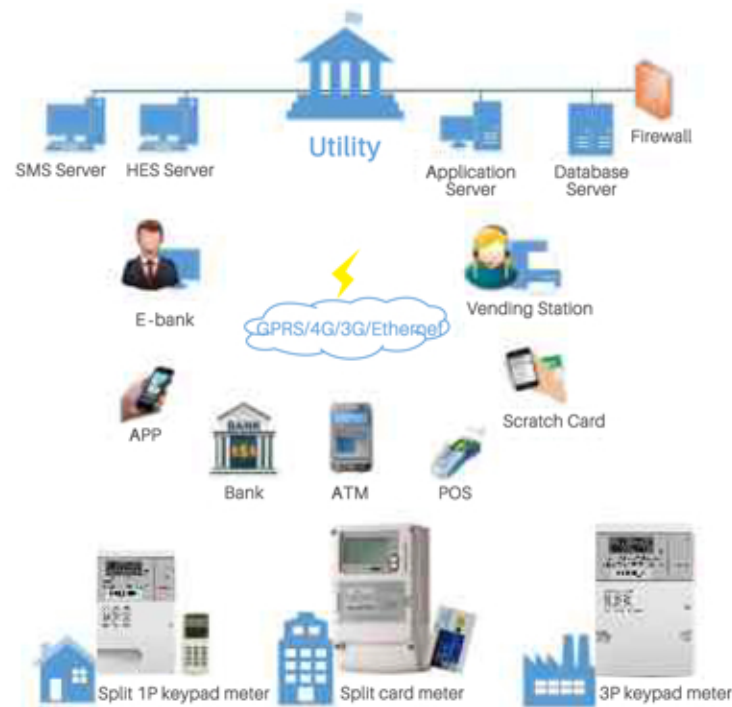
## • Summary

TOPSCOMM prepayment vending solution combines prepayment energy vending system with STS complied keypad energy meter or smart card energy meter or remote prepayment energy meters, achieving wide applications in residential, commercial & industrial areas. In prepayment mode, the energy users shall obey the rule of paying first and energy consumption later, which greatly helps the utilities to settle the energy charge overdue problem and bad debts problem, and also realize reducing large cost on the manual meter reading work. Meanwhile, the solution provides flexible options for users' power purchasing, to ensure it is convenient and hi-efficient to meet users' energy consumption requirements.

## • Main Functions

- Obeying paying first, energy consumption later mode; reducing the energy charge collection cost and bad debts for utilities;
- With high efficient data processing ability and high security function, the system operates steadily and reliably;
- With anti-tamper functions on the meters;
- STS certified metering instruments of high security level;
- Prepayment via tokens or cards;
- Multiple tariff options: single tariff, TOU and step tariff;
- Flexible power purchasing options, such as through power vending station, Bank, ATM, Scratch card or Internet etc.;
- Combined with AMI system can realize remote power loading and remote control function.

## Architecture



## • Topscomm Prepayment Vending System

Topscomm prepayment vending system is a vending management software system of paying first and energy consumption later. Being equipped with transmission medium of high encryption level, the system is available to realize the trinity of electricity selling, charge controlling and users monitoring to prevent electricity charge risk and improve charge recovery efficiency.

## • System Advantages

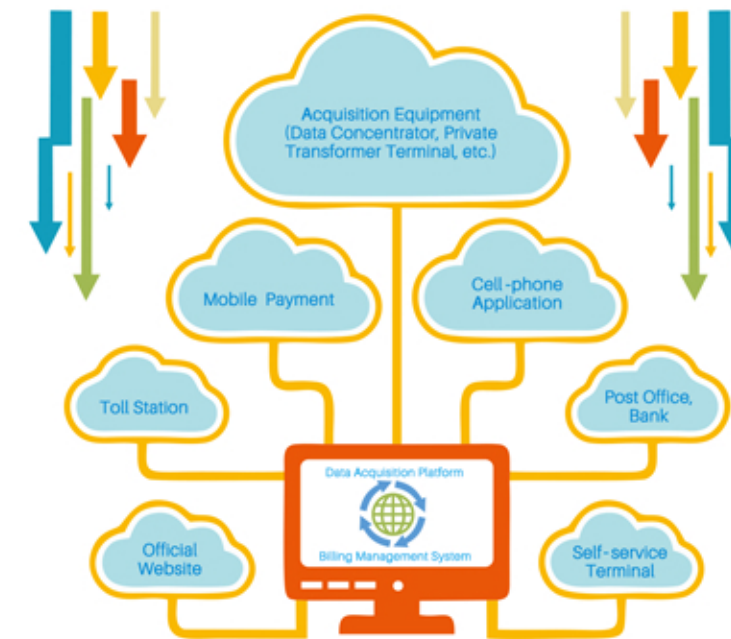
- With advanced encryption algorithm and higher encryption level purchase information transmission medium. System security is high;
- Flexible and variable pricing management, available to realize the functions of electricity selling, electricity price modification, overdraft and alarm limiting modification, etc. and scientific charge of electricity using;
- Be available to realize the management of prepayment. When the remaining sum of electricity is insufficient, the meter will alarm and cut down the power supply to settle the problems of electricity recovery, stealing electricity, leakage of electricity, management confusion, etc.;
- With simple operation, high efficient data statistics and management function, providing comprehensive statistical analysis information.

# BILLING MANAGEMENT SYSTEM

## • Summary

Topscomm Billing Management System is developed based on B/S framework and utilities business demands, available to realize the comprehensive management of utilities business and be integrated with AMI system. This system supports customer relationship management (CRM) and energy charge management. And it is integrated with variety of standardized business expansion process, available to expand as per practical needs. This system supports the information management of metering assets, metering sides and metering system, providing power utility with the real-time information unified monitoring of purchase, supply and sell.

## Architecture



## • Main Functions

- User account open, change and maintenance;
- Electricity tariff information release and notice;
- Taking user archive data as the management center, business expansion process can be simplified;
- Get electricity usage data through automatic reading or manual reading;
- Calculate tariff and charge;
- Support single tariff, step tariff and multi-tariff;
- Support remote prepayment or post payment management;
- Manage the information of power supply network, organization, etc.;
- Assets management and inventory management.

## • System Advantages

- Integrated well with AMI system, easy to operate, greatly simplify the charging and calculating operation of business staff;
- Support prepayment and post payment;
- Support multiple billing methods, like single tariff, multi-tariff, step tariff, basic tariff, power factor adjustment tariff, etc.;
- Easy to expand multiple ways of charging, like mobile payment, cell-phone application, etc.;
- Easy to expand customized business expansion process;
- With high performance, encryption of important data and multiple access rights to ensure the high security of data;
- Easy to upgrade and do not affect the daily business.