**Acrel**

# Prepayment Cloud Platform

➢ **1.Application**

- 📂 Chain Stores
- 📂 Chain Hotels
- 📂 Properties

- 📂 University Dormitories
- 📂 Intelligent Communities

➢ **2.Structure**

APP

Website

Browser

Client

RDS

Ali cloud cloud servers

IDC

Internet

Network Transport Layer

Data Collection Layer

Collector

Prepaid meter    Prepaid meter    Prepaid meter

Concentrator    Collector

Prepaid water meter    Prepaid water meter    Prepaid water meter
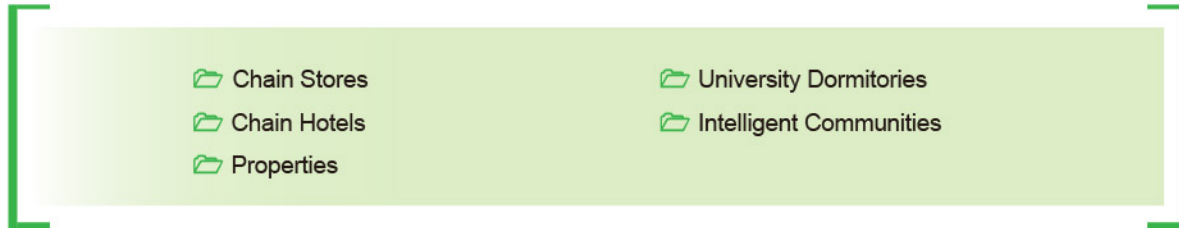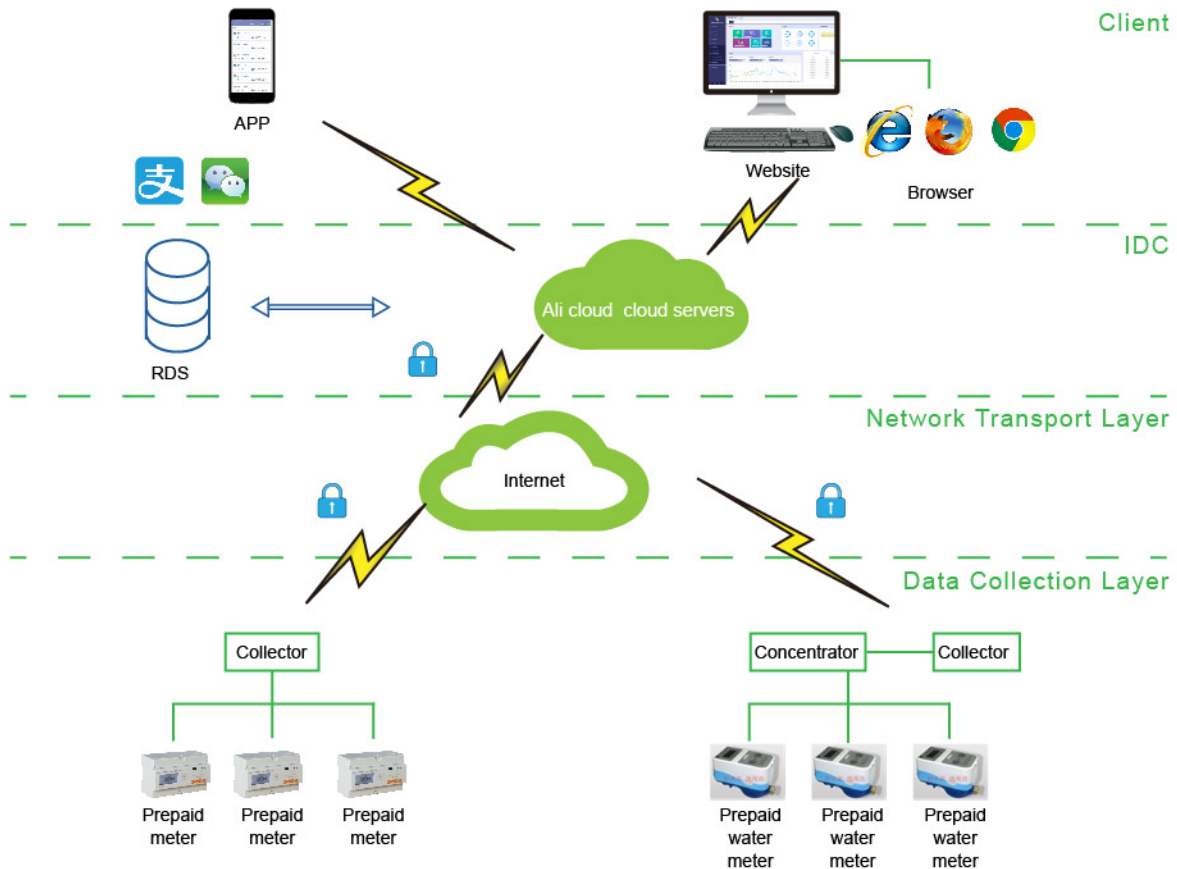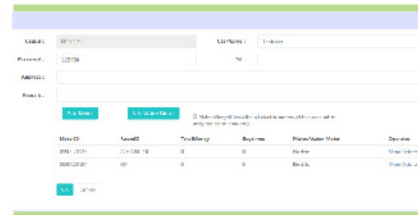
➢   **3.Main Functions**

### Remote Data Monitoring, Remote Deposit

The data is uploaded to the cloud platform in real-time through gateway, unit price can be set on each electricity meter or water meter.



### Cloud Deployment

Software installation, upgrade and maintenance are easy.
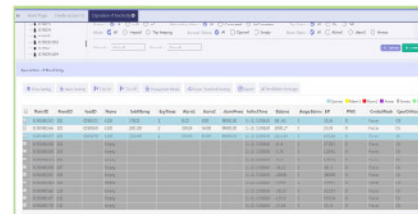


### Balance Warning

When the  balance is insufficient, the system will remind the users to recharge in time by SMS or E-mail.



### Remote Control

According to the management requirements, the user can control the electricity meter and water meter within his authority.For example, control the power switch and water meter valve, set the  price  and the alarm parameters, etc.



### Energy Report

The system can provide various reports, such as energy consumption report and financial report,  etc.
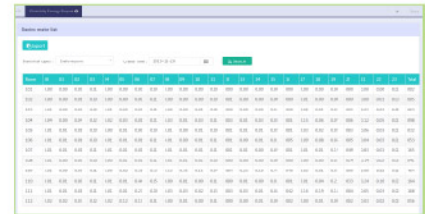
Prepayment Cloud Platform
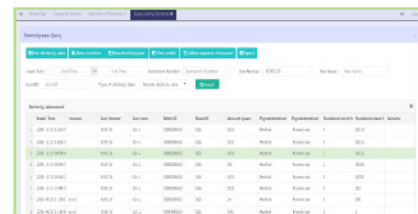
## Online Payment

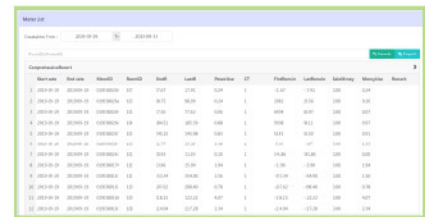The users can check balance and recharge online.



## Third Party Interface API

The system can provide interface(API or SDK) for a third-party platform.

## Application in Dormitories

The system can support dormitory management, such as timing control, unsafe load identification,ect.



## Historical Record and Report

All alarm information, remote control and recharge operation are recorded in the logs for users to query.

## ➤ 4.Product Selection

| No. | Name | Specifications |
|---|---|---|
| 1 | Smart gateway | ANet-2E8S1 2* 10M/100M RJ45 8*RS485 1*4G |
| 2 | Smart gateway | AF-GSM400-4GY 1*RS485 1*4G 24V DC power supply |
| 3 | Three-phase prepaid meter | ADL300-EY |
| 4 | Single-phase prepaid meter | ADL100-EY |
| 5 | Multi-circuit prepaid meter | ADF300L |
| 6 | Switching power supply | KDYA-DG30-24K output DC 24V |
| 7 | Data acquisition box | 400mm*500mm*200mm |