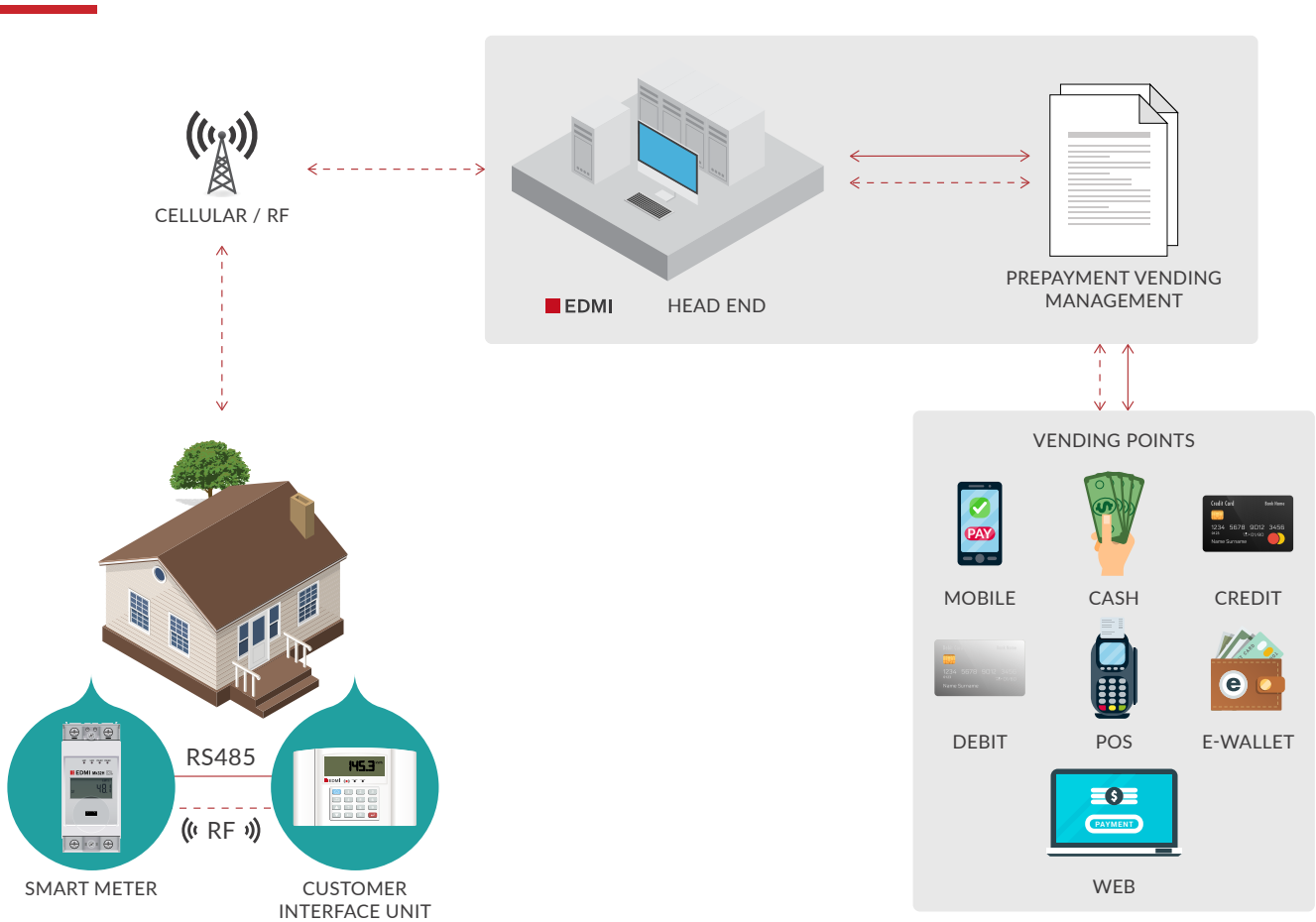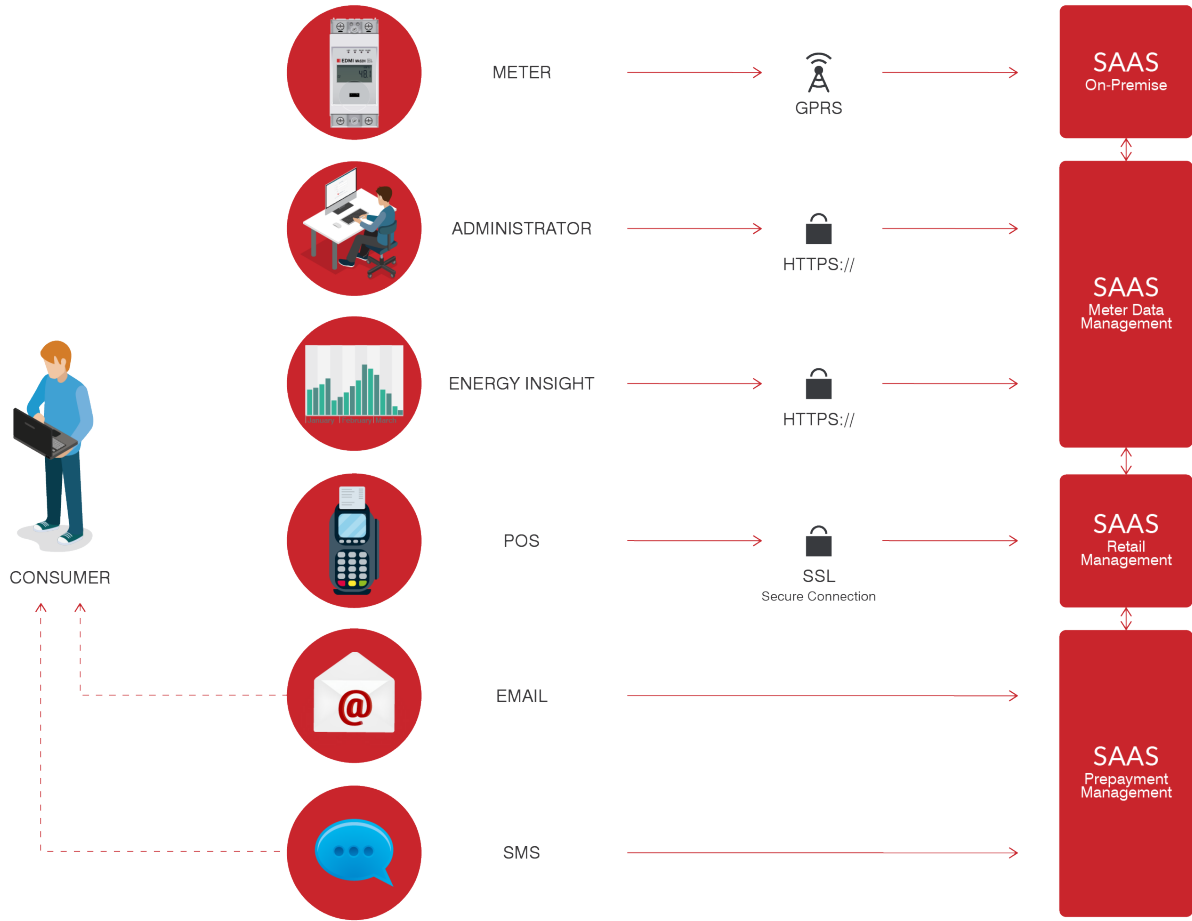**SOLUTIONS**

Smart Prepayment Solutions

EDMI prepayment solution provides the end customer a seamless energy prepayment experience by integrating EDMI's meter, CIU and Head End system. With top notch meters coupled with different communication options (RF, Cellular, etc.) to meet different market requirements, real time communication in between the meters and head end software is assured. Various vending mediums such as POS, Web Mobile among others provide the end consumers the convenience for top-up and other transaction.

Even in countries without efficient communication network, EDMI is able to provide alternate standalone solution with CIU enabling the customer to do manual top-up and other transaction.

EDMI Prepayment System

> " EDMI Prepayment System has deployed 4,000 prepaid metering points in Northern Territory of Australia since 2015. This system improved customer convenience - no more paper tokens as instant credit is updated via the internet and tariff changes can be updated remotely. "

CONSUMER

METER — GPRS → SAAS On-Premise

ADMINISTRATOR — HTTPS:// → SAAS Meter Data Management

ENERGY INSIGHT — HTTPS:// →

POS — SSL Secure Connection → SAAS Retail Management

EMAIL →

SMS → SAAS Prepayment Management

Key Benefits

UTILITY	END-USER
REDUCE FINANCIAL RISK Utility will reduce the financial risk and increase cash flow with prepayment solution and it helps utility to reduce labor cost.	**SEAMLESS PREPAYMENT EXPERIENCE** End consumers are able to top up directly online or at the local shop without going through the manual process.
PREVENTS TAMPERING Prevent ghost token as well as other meter tampering such as magnetic tamper, etc.	**NO MORE TOKENS** An instant credit is transferred to a meter once Power has received purchase notification from the vendor.
PREVENTS DAMAGE OF EQUIPMENT AND BETTER ENERGY CONSERVATION With the load limiting function, it prevents the damage of equipment such as a transformer. Utility can base on the consumer's electricity usage pattern to perform a better energy conservation.	**FLEXIBLE ENERGY CONTROL** Using real time data to monitor energy consumption effectively, end consumers have the flexibility to control their consumption.

Key Features

TARIFF MANAGEMENT

- Calendars and seasons
- Peak/off peak
- Demand charges
- Services charges
- Holiday/special day charge
- Aux/Tax charges

RETAILER ACCOUNT MANAGEMENT

- Retailer type and groups retailer Agents
- Operators and access credentials
- Bank charges
- New update
- Fund transfer/adjustment refunds
- Tax account
- Credit limit, security deposit
- Retailer sales charges
- Purchase discounts
- Sales discounts

METER MANAGEMENT

- Meter Inventory
- Energy balance
- Meter commissioning
- Meter decommissioning
- Engineering functions/tokens

CUSTOMER MANAGEMENT

- Customer agreement and history
- Transaction history
- Meter history
- Token history
- Meter recharge history
- Account balance

TERMINAL MANAGEMENT

- POS Inventory
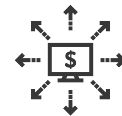- POS Software Update
- POS Locations Tracking

GROUP MANAGEMENT

- Usage group
- Location group
- Aux group

REPORTS

Wide range of reporting :
- Account reconciliation
- Detailed sales reports
- Meter thread profile reports
- Energy balance report schedule
- Report export customizable user define reports
- Customizable report
- Sales reports
- Retailer summary

SALES CHANNEL

Enable prepaid sales from multiple POS solutions :
- Stand-alone portable GPRS terminals/mobile phones
- Android devices such as tablets and phones
- Windows PC
- Apple iMac
- Bank's ATM
- Supermarket paypoint
- Pre-printed vouchers

POST PAID

Capable of handling payment of postpaid electricity bills and accounts for any bill provider. It has been successful in collecting municipal bills, refuse collection, TV licenses and debts.

POSTPAY TO PREPAYMENT MIGRATION

Prior to any migration to prepayment, solving the massive logistic and infrastructure challenge of transition is mandatory. To overcome this challenge, the "Field Forms" software suite was developed.

WEB-BASED

- Cutting-edge web-based features
- Features customer information and agreement management
- Tariff management
- Debt collection
- Grouping support

SECURITY

- The software platform is highly secured and had been accredited by international Payment Card Industry (PCI) DSS Level 1
- Service Provider Certificate – highest level of security available in the industry
- Support payment acquirement from major credit cards.

STS COMPLIANT

- STS approved and certified
- Supports TSM series of HSMs for STS token generation
- Comply with STS 600 Specification and API

SAAS (OPTIONAL)

Offers Software-As-A-Service option so that utility can outsource hosting and technology management, allowing utility to focus on its core business.

IEC

IEC COMPLIANT

System makes use of relevant CIM models, relationships and concepts to enhance scalability and interoperability with other CIM compliant systems.

Supported Meters

PRODUCT		PHASE	DISCONNECT RELAY	STS COMPLIANT	KEYPAD	CIU	COMMUNICATIONS
Mk7A		1	Main and Load	✔		✔	Plug n Play
Mk7B		1	Single	✔		✔	Pod
Mk7C		1	Single	✔		✔	Plug n Play
Mk7M		1	Dual	✔	✔	✔	Modular
Mk32		1	Dual	✔	✔	✔	Modular
Mk32H		1	Single	✔		✔	Communication via Gateway
Mk10D		3	Three Pole	✔		✔	Plug n Play
Mk10E		3	N/A	✔		✔	Plug n Play
Mk10M		3	Three Pole	✔	✔	✔	Modular
Mk10MDC		3	Three Pole	✔	✔	✔	Modular

Accessories

Biz-Reporting

- **Full range** of business reporting for retailers and utilities to run prepayment vending
- Flexibility to **customize** reports
- **Control of access**
- **Web-based secured access**
- **On-demand** generation of business report off the shelf

Ezi-Vending

- **Easy to operate** and runs on **multiple platforms**
- **Supports receipt and token printing** on Bluetooth
- **Info-at-a-glance** – intuitive daily sales for the operator and supervisory role
- **Dual-usage** – Co-sharing of POS terminal to retails airtime token for prepaid mobile
- **One-step** account settlement and reconcilation
- **Detailed** breakdown and charting of meter readings
- **Unprecendented flexibility** in definition to tariff structure
- Could be pegged or ties to **real-time variation** in fuel prices
- **Fine granularity** in tariff computation (at minute level)
- Based on **international standard** – Common Information Model (CIM)
- **Ease** of upstream/downstream integration

Customer Interface Unit (CIU)

- **Multiple alarm indicators** for low credit, reverse power, unbalance load and tampering of meter cover
- **Display variance** of up to 99 different meter parameter display on the unit
- **Auto reconnect** upon customer top-up, the power supply will be reconnected automatically (*configurable*)
- **Communications** RS232 : Distance >10m
  RS485 : Distance >100m
  RF : Distance >100m