

On-Line Pre-Payment Metering Solution



Genus Power Infrastructures Limited

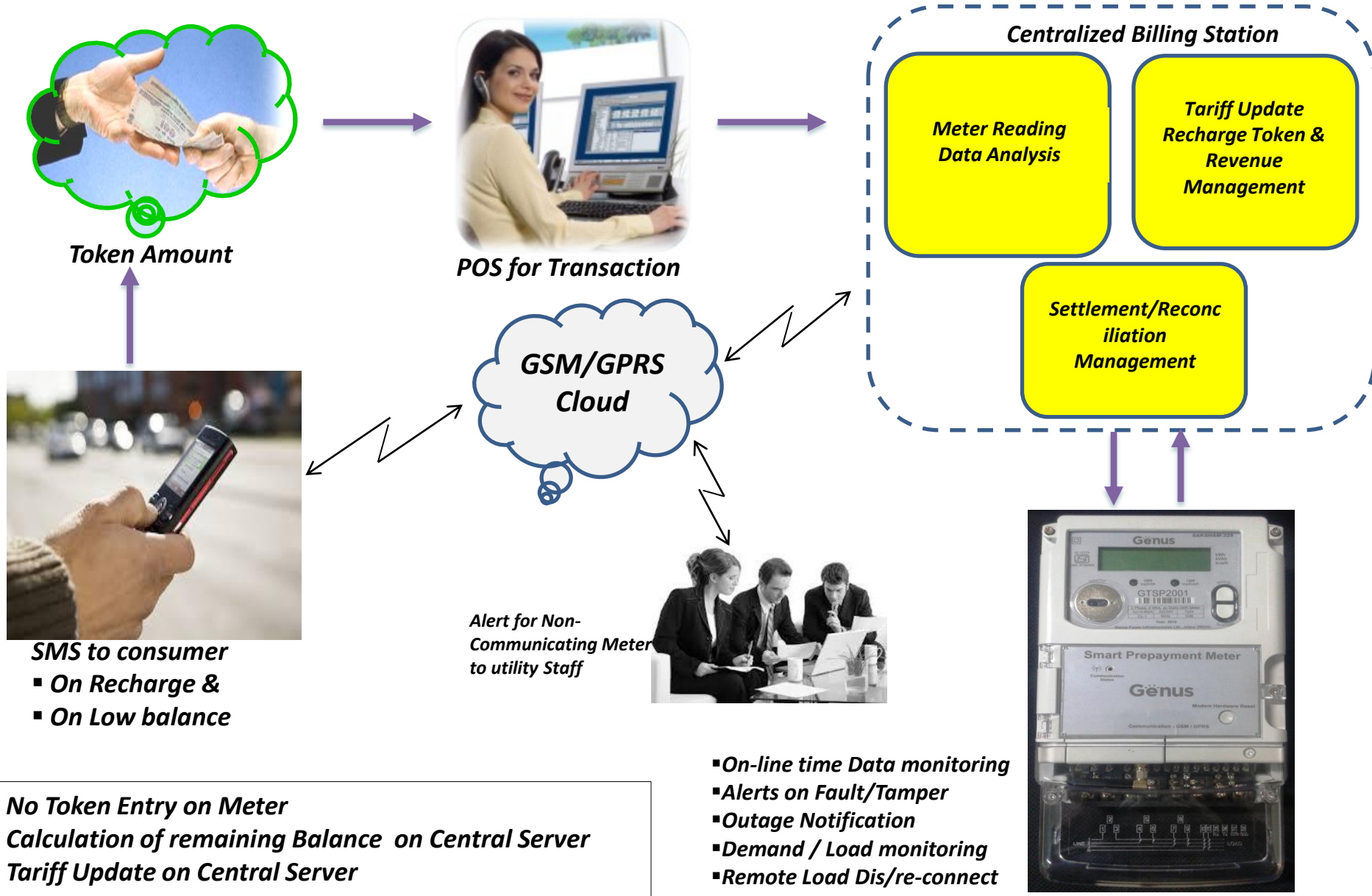
Introduction

On-line “Pre-paid” Metering Solution

- *Introduction of Present System*
- *Limitation of Present System*
- *Proposed System*
- *Advantage Over Present System*

Benefits to Power Utilities

Smart Pre-Paid Metering Solution



Smart prepayment Meter



Head END Server (HES) based Revenue Management

- No token entry by keypad,
- Real time tariff Update
- No Meter dependant Credit Calculation

Integrated GPRS modem (two way communication)

- Online Alert in case of any abnormality
- Online Load Pattern Availability
- All Credit information like Current balance, Rate/Unit, Last recharge amount, settlement amount are on Server
- Configurable load Limit (Peak Load Management)

DLMS/COSEM → Open protocol

Benefits to Utility :-

❑ Remote Communication facility (Two-Way)

- Save Revenue , Real time Tariff Update
- Save per token OPEX cost, Remote Credit Update
- Suitable for Govt. Deptt./VIP/Temporary Consumer, Remote Amount Settlement

❑ Online Data Monitoring facility

- Save Revenue , Reduced Billing Cycle
- reduce OPEX of Meter reading, Eliminate Manual Reading through CMRI
- Use of Existing Infrastructure, Can be integrated with existing Billing System
- Enhanced MIS information

Continue..

.....Continued

Fault/Tamper Alert Notification

- ***Save the Revenue***, Alert information enable early identification of Power Theft through proactive action
- Improve Supply Condition, ***notification for various Electrical Conditions etc***

Power Outage Notification

- Immediate Outage information enable utility for better Customer Services

Remote Load/Demand Management

- In case of limited power availability load limit reduction (***Brown Out facility***) ***rather complete black out***
- Disconnection remotely of Temporary or default consumers
- Remote ON/OFF in Emergency
- Provision for Auto Disconnection → can be based on logics defined by utility i.e. Demand Response, Over Drawl

Thanks You