SHOOTECC ENGINEERING SERVICES AND PRODUCTS OVERVIEW



ENGINEERING CC

TEAM SE: LEADING PROVIDER OF LOCAL SOLUTIONS TO LOCAL PROBLEMS

1. INTRODUCTION (ABOUT SHOOTECC ENGINEERING)

- In 2007, traded as Shoo Trading enterprises CC, a business that consisted of two divisions/departments, namely, General Trading, and an Engineering Services Department.
- Shootecc Engineering CC was founded in May 2014.
- In May 2014, Engineering Service Department created as a business on its own and purely dedicated to the provision of engineering services and products, hence the birth of Shootecc Engineering CC.

2. PRODUCTS FOR UTILITIES, IPP, EG, AND BULK POWER SUPPLIERS (SERRP2018S)

2.1 SHOOTECC ENGINEERING REAL-TIME-METERING REVENUE PROTECTION SYSTEM (SERRP2018S)



2.3 SERRP2018S FEATURES

- Bulk Prepayment Metering Functions,
- Remote Control and Monitoring of load,
- Metering Installation Integrity Monitoring and Status Report,
- Real-time outage notification and data gathering,
- Cable theft/damage detection and reporting,
- Power Quality monitoring,
- Remote Terminal Unit (RTU) application, and
- Customised designs.

2.4 SITE INSTALLATION EXAMPLES

2.4.1 SITE INSTALLATION EXAMPLE



2.4.2 SITE INSTALLATION EXAMPLE



2.4.3 SITE INSTALLATION EXAMPLE



2.5 CUSTOMERS FEEDBACK

2.5.1 CUSTOMERS FEEDBACK

It's actually very useful as it is not just helping us with revenue protection but also assisting us with some of the following activities;

1. Cable theft, cable damages and power outages on the upstream and and downstream where these systems are connected. Infact it helped us to react in REAL TIME when one of the feeder's (Orban School) cable where the system is connected was damaged by the contractor and we managed to find the contractor at the scene thus we managed to fine them for damaging the cable.

2. The system is as well giving real time outage duration for these customers Incase of power outage, which is good for actual reporting purposes.

3. We managed to simulate different types of metering faults and the systems responded to all the faults.

3. PRODUCTS FOR LANDLOARDS, AND SUB-METERING COMPANIES

- •SE-SMARTDBs
- •1. Smart Synch Basic (SSB)
- •2. Smart Synch Plus (SSP)
- •3. Smart Vent Basic (SVB)
- •4. Smart Vent Plus (SVP)

3.1 SHOOTECC ENGINEERING SMART POWER DISTRIBUTION BOARD (SE-SMARTDB)



3.1.1 SITE INSTALLATION EXAMPLES

4. PRODUCTS AND SERVICES FOR END-USE-CUSTOMERS (SE – EBRS)

4.1 SHOOTECC ENGINEERING ELECTRICITY BILL REDUCTION SERVICES (SE-EBRS)

4.1.1 BASIS/THEORY OF SE-EBR SERVICES (SE – EBRS)

In general, revenue losses may occur as a result of:

- 4.1.1 Overdesign (Over capacity),
- 4.1.2 Bad Power Factor,
- 4.1.3 Wrong tariff Type,
- 4.1.4 Wrong Time of Use,
- 4.1.5 Unforeseen Equipment failure,
- 4.1.6 Human errors, and
- 4.1.7 Inefficient appliances.

4.1.2 THE AIM OF SHOOTECC ENGINEERING ELECTRICITY BILL REDUCTION SERVICES (SEEBRS) IS TO:

4.1.2.1. Assess clients' electrical installations,

- 4.1.2.2 Identify, and quantify the above-mentioned 7 potential revenue losses, and
- 4.1.2.3 Develop, and/or design loss reduction measures and implementation strategies including payback period calculations.

Thereby saving our valued customers from paying unnecessary high electricity bills.

From the Shootecc Engineering Team: