

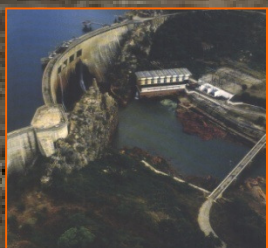


ELECTRICIDADE DE MOÇAMBIQUE

Highlights on Sustainable Projects

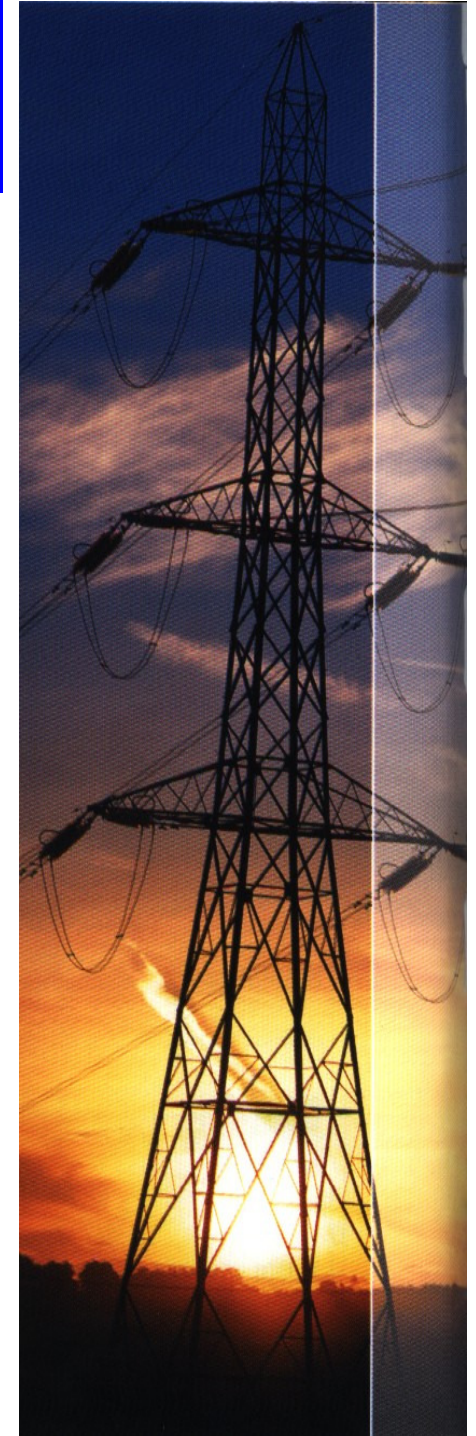
DATE: 24th November 2009

Daniel Guambe



ELECTRICIDADE DE MOÇAMBIQUE (EDM)

- **A state owned company created in 1977**
- **Result of different municipal and privately owned electric companies**
- **EDM's Mission, Nation Wide**
 - **Generation**
 - **Transport**
 - **Distribution**
- **Number of employees: About 3 100**
- **Operating member of the Southern African Power Pool (SAPP)**

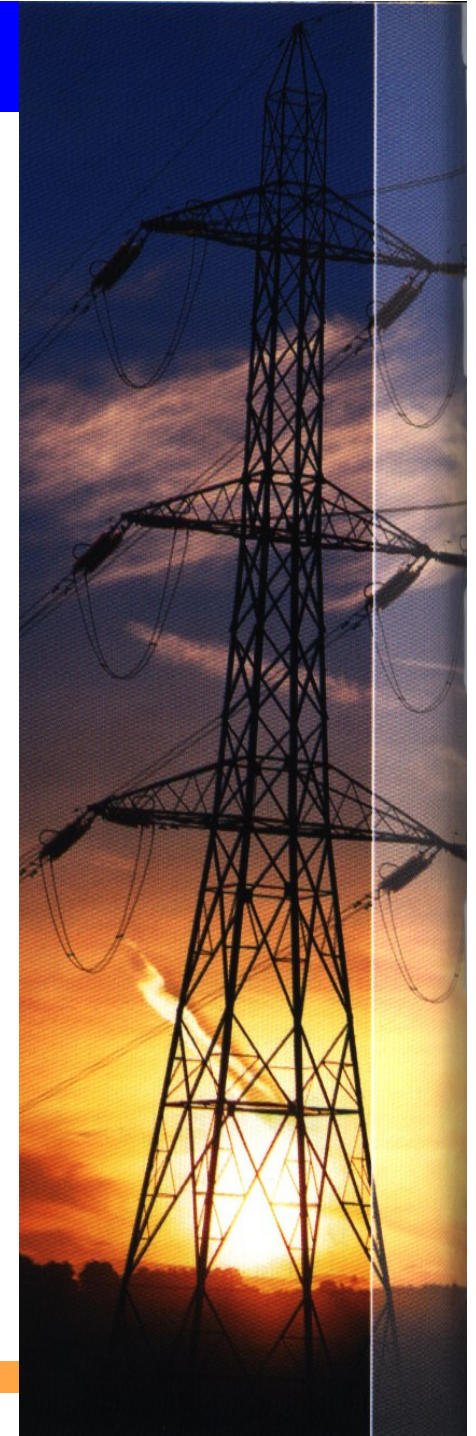


HIGHLIGHTS ON SUSTAINABLE PROJECTS

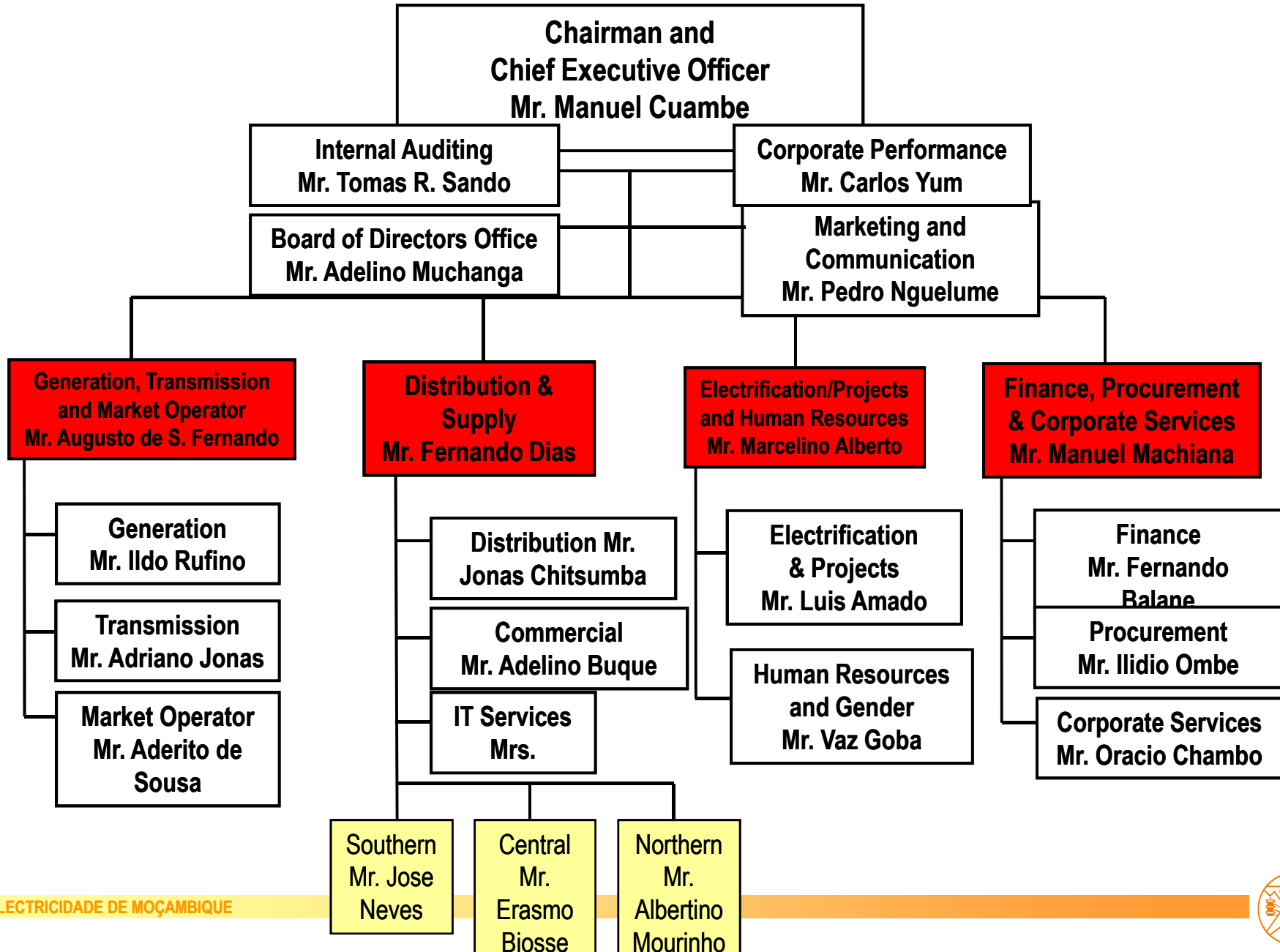
PROJECTS NATIONWIDE

- Generation
(Generation Directorate)
- Transmission
(Electrification and Project Directorate)
- Distribution
(Electrification and Project Directorate)

(Rural Electrification Projects –
Connection rate? Large Country and
Scatered)



HIGHLIGHTS ON SUSTAINABLE PROJECTS



HIGHLIGHTS ON SUSTAINABLE PROJECTS

SAMPLE PROJECTS

Province	Project scope
Tete	122 km of 66 KV line, 110/33KV, 10MVA substation 600 km of 33KV lines 30 pole mounted transformers 100km of LV networks Connection of 1500 new costumers
Cabo Delgado	135k m of 110 KV line, 110/33KV, 16MVA substation 350km of 33KV lines 20 pole mounted transformers 50km of LV networks Connection of 2600 new costumers
Sofala	91k m of 110 KV line, 110/33KV, 16MVA substation ; 350km of 33KV lines; 22 pole mounted transformers; 70 km of LV networks Connection of 1500 new costumers



HIGHLIGHTS ON SUSTAINABLE PROJECTS

-PREPARATION PHASE (Master Plan & PD)

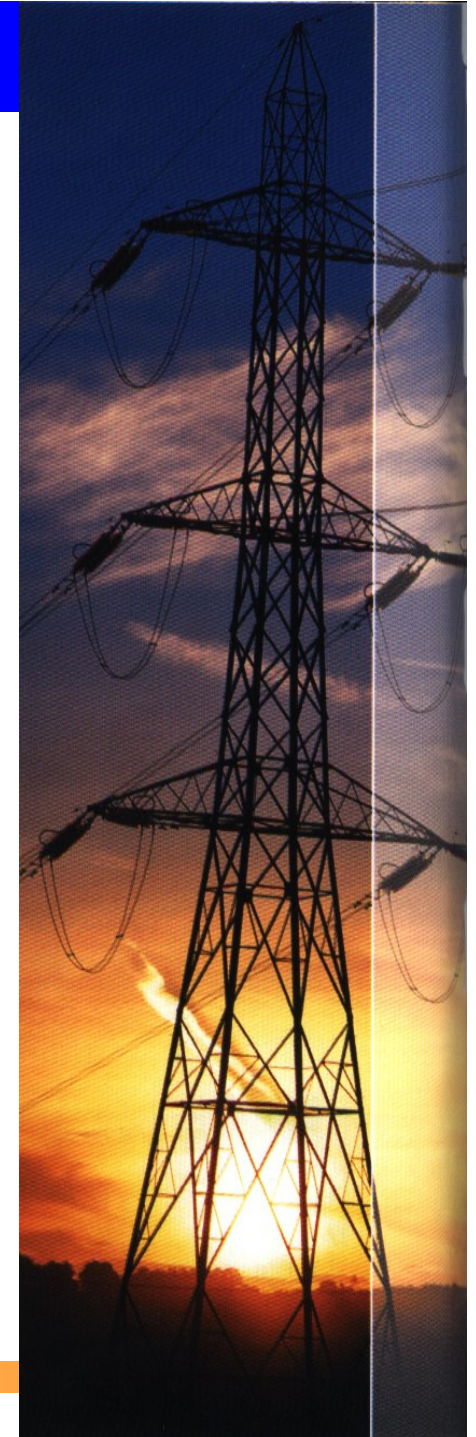
- Identification and Preliminary Survey**
- Economical and Feasibility Studies**
- Sustainability Considerations**
- Cost Estimate**

MP 2004 and will be updated soon

GMP was finished 2008

-MOBILIZATION OF FUNDS

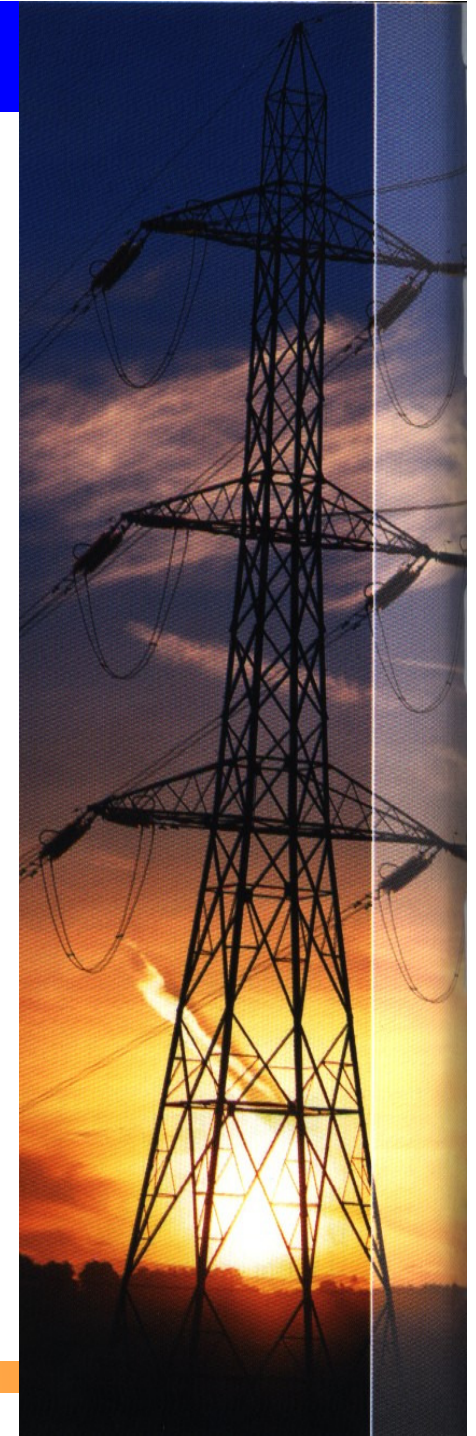
- GoM**
- Donors Funding**
- State to State Loans**
- (Grant or Soft Loans/Credits)**
- Most of the Rural Electrification Projects are based on Grants and Soft Loans - To make it affordable to end users**



HIGHLIGHTS ON SUSTAINABLE PROJECTS

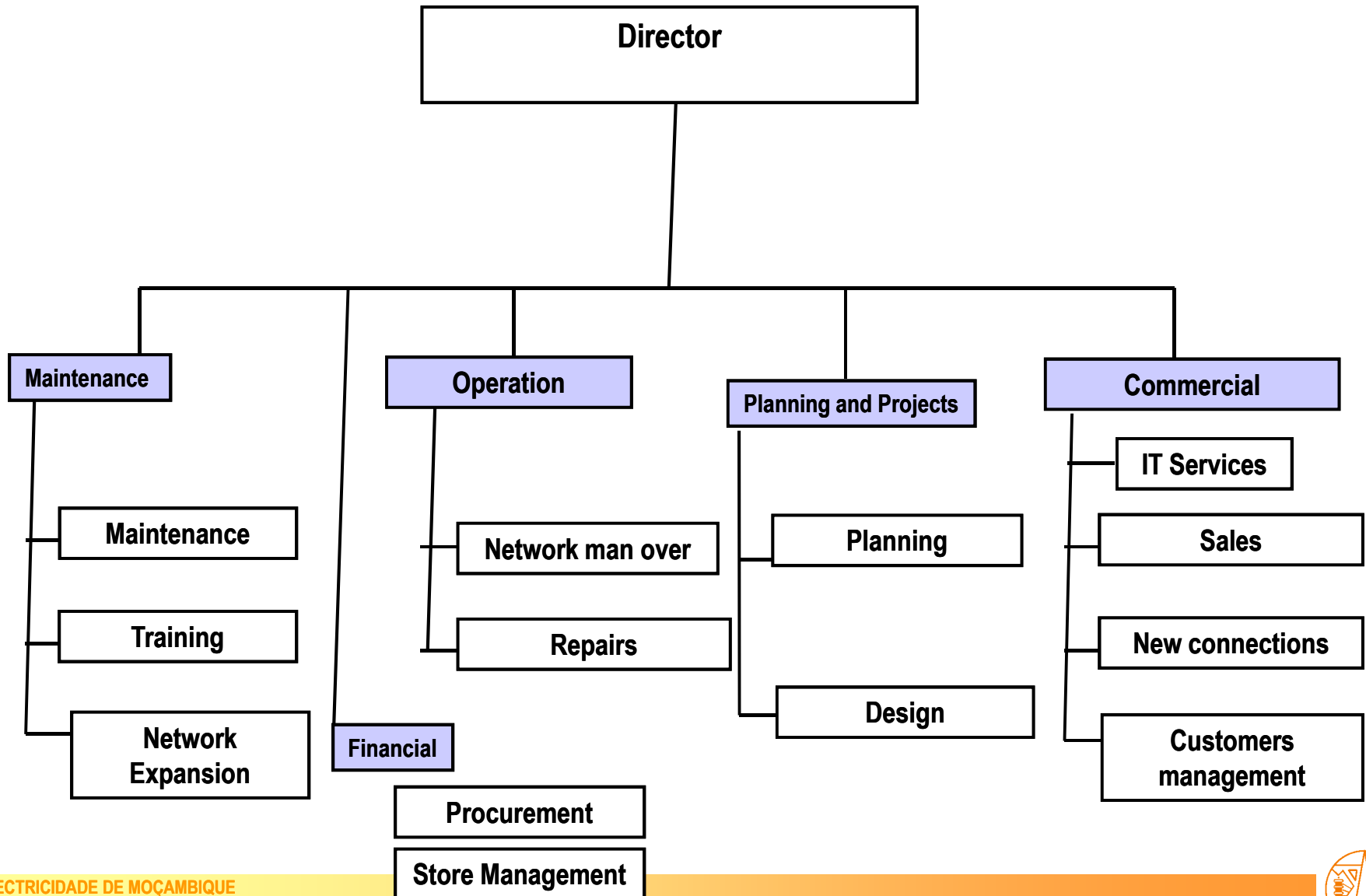
PROJECT AFTER COMMISSIONING

- a) Contractors responsible for repairs during defect liability period**
- b) EDM responsible for running and operating the installed infrastructure under existing organization Set Up**
- c) EDM responsible for maintenance and required extension**
- d) EDM responsible for customers management and sales)**
- e) Cross Subsidy Schemes (Ex. Maputo, Matola, Nacala and Beira)**
- f) Monitoring and campaigns**



HIGHLIGHTS ON SUSTAINABLE PROJECTS

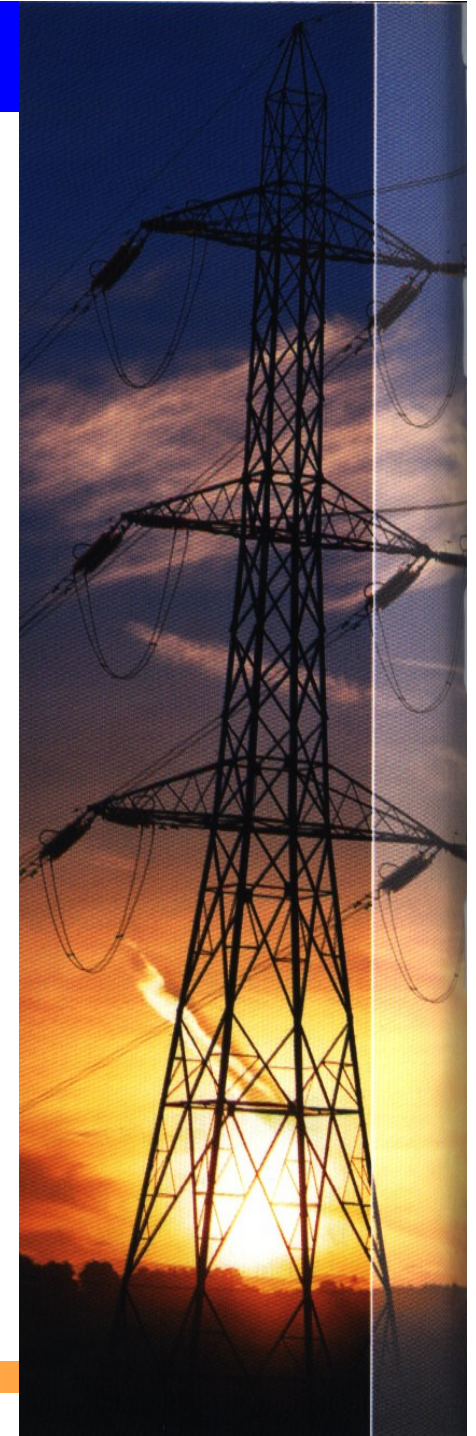
The EDM Organization at Distribution Area



HIGHLIGHTS ON SUSTAINABLE PROJECTS

EXPANSION OF NETWORKS

- a) Existence of External Sources of Funding**
- b) Already Established and Existing Organization Set Up**
- c) The LINK Between Projects and EDM Core Business**
- d) Operations Practices**
- e) Maintenance Practices**
- f) Sales Structure (Commercial Side)**
- g) Training Practices**



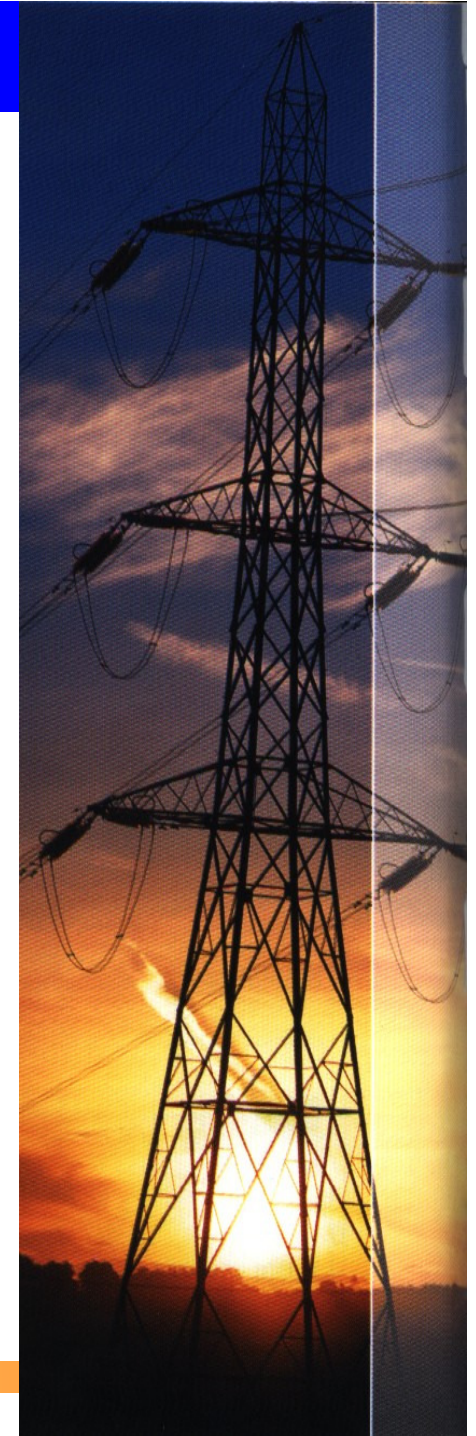
HIGHLIGHTS ON SUSTAINABLE PROJECTS

END USERS – CUSTOMERS AND TARRIFS

- a) Domestic
- b) Comercial
- c) Big Consumers
- d) Special Consumers (Agriculture)

DOMESTIC SALES

- a) Conventional Meters (Unique alternative for Remote Rural Areas)
- b) Prepaid metes (Vending Pont) (Actually almost in all Urban and per urban areas)



Thank You!

Kanimambo

WITH ENERGY WE BUILD THE FUTURE

