

African Utility Week

Clean Power Africa

The largest global meeting place from African Utilities

17 - 19 May 2016
Cape Town, South Africa



The Journey from meters only to solutions (within the Public Utility Space)

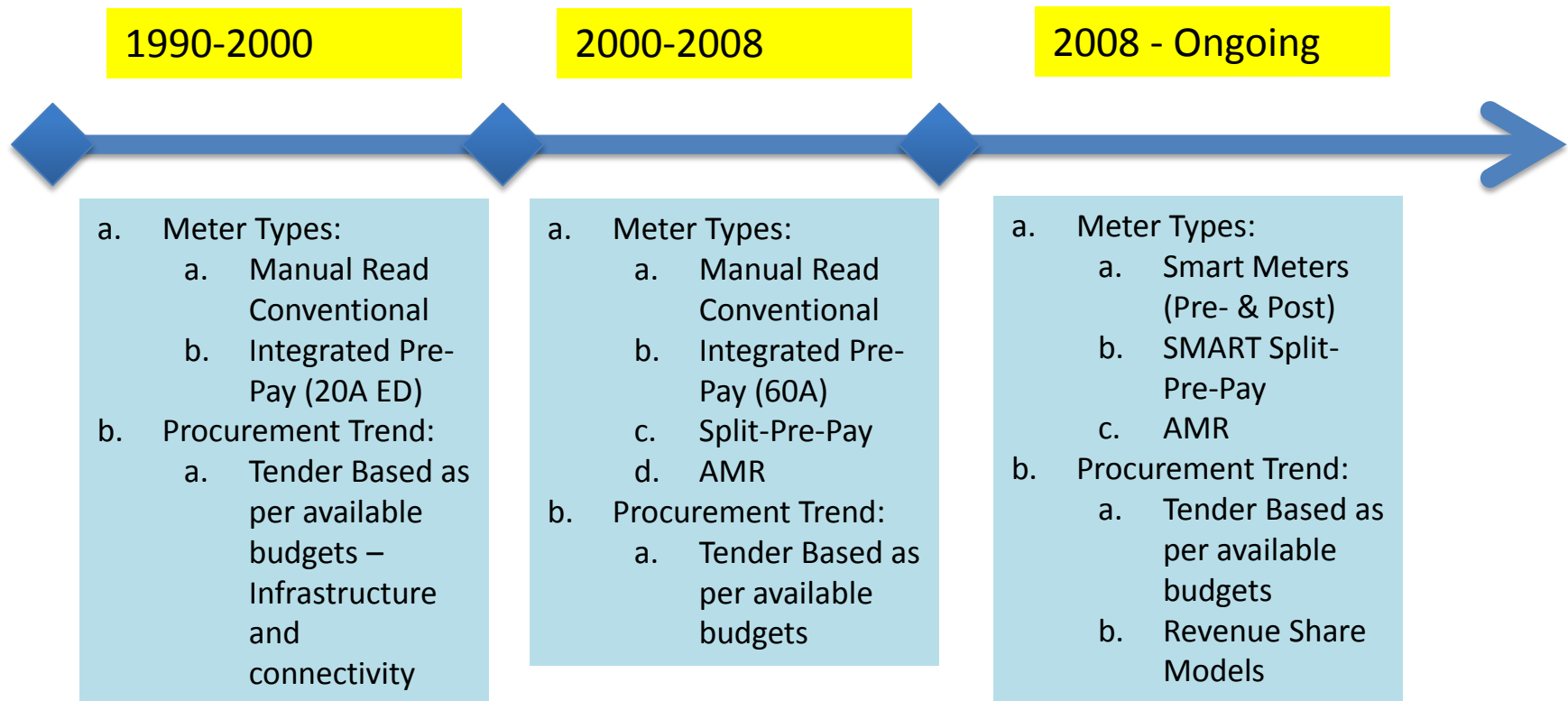
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- CEO
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- South Africa



Agenda

- High-Level History of metering
- Current Utility-Focused Problem Statements
- End-to-End Solution Requirements
- Conclusion

Metering History in SA



Utility Based Problem Statements

- Legislative Electricity Subsidization
 - Bulk Point Purchase Tariffs versus NERSA Approved Distribution Tariffs
 - 1:1.58 Targeted Purchase versus Sales Ratio
- Extinct Supply versus Distribution versus Utilization Data
 - Where are all the utilization points
 - What is split between billable versus non-billable population
- Under Collection
 - Need for factual recon between kW distributed versus payment received

End-2-End Solutions Required

ID	Problem Statement	Expected Deliverable	Required Solution			
			Policies/Procedures Required	Technologies Required	Facilities Required	Resourcing Required
#001	Subsidization	Purchase versus Supply ration of 1:1.58	<ol style="list-style-type: none"> Alternative energy supply agreements (periods, etc.) Metering Configuration Policies 	<ol style="list-style-type: none"> Smart Meters (TOU, 4 Quadrant) Smart Back-Office Collection and Reporting SW Suites Dedicated APN 	<ol style="list-style-type: none"> Integrated Metering, Billing, Response and Reporting Centre 	<ol style="list-style-type: none"> NRS057 qualified installers Qualified Meter Configuration Staff
#002	Association Data	Factual Network Distribution Data Set	<ol style="list-style-type: none"> Master system Update Procedure Cross Subsidization policies 	<ol style="list-style-type: none"> Smart Meters (GPS) Smart Back-Office Collection and Reporting SW Suites Dedicated APN 	<ol style="list-style-type: none"> Integrated Metering, Billing, Response and Reporting Centre 	<ol style="list-style-type: none"> Qualified Data Analysts Qualified exception handling operations staff
#003	Under Collection	1:1 Recon Reports ito distributed kW's versus collect revenue	<ol style="list-style-type: none"> Collection and Reconciliation Polies 	<ol style="list-style-type: none"> Smart Meters (GPS) Smart Back-Office Collection and Reporting SW Suites Dedicated APN 	<ol style="list-style-type: none"> Integrated Metering, Billing, Response and Reporting Centre 	<ol style="list-style-type: none"> Qualified financial auditing team

Conclusion

- Utilities are faced with tough problems which asks for innovative, cost effective, future proof and sustainable solutions
- Meters are still important, but only plays a limited and well defined role within complex solution value chain