

## IP PABX & Structured Cabling For Senate Chambers and Offices For The Parliamentary Service Commission



*Project Value: 119 Million Kshs.*

*Project Status: Installation and Testing Complete, monitoring ongoing*

### Parliament of Kenya Project:

*The Promulgation of the new Constitution in Kenya in August 2010 created additional legislation for the 47 counties in the form of the Senate. This necessitated major renovation of the old Parliament Building to accommodate members of the Senate and the increased number of elective seats in Parliament. The renovation also included putting up additional offices for the Parliamentary Service Commission.*

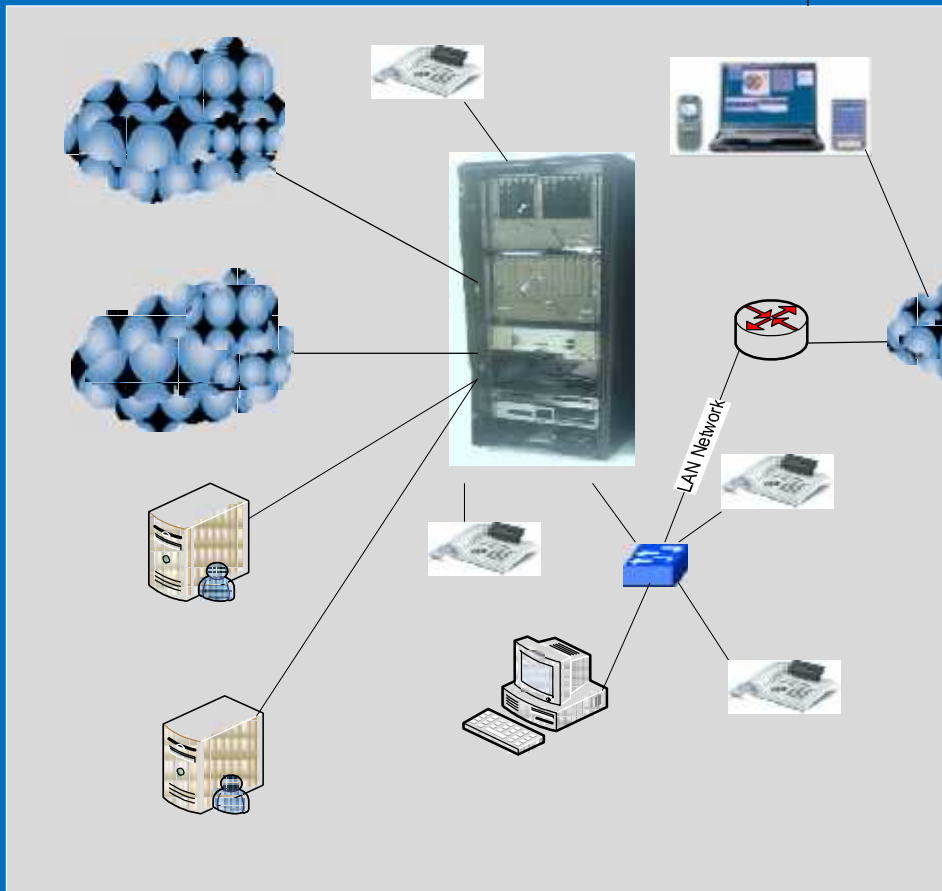
*These proposed changes required an efficient communication network that would link up all the occupants of the offices. The solution had to be flexible, modular and expandable to meet the demands of the Parliamentary Service Commission. In line with the Government devolution, the system also needed to have the capability of connecting to the already existing County Connectivity Project (ongoing project also executed by Soulco Kenya) through the National Government Fiber network NOFBI.*

### Solution Description

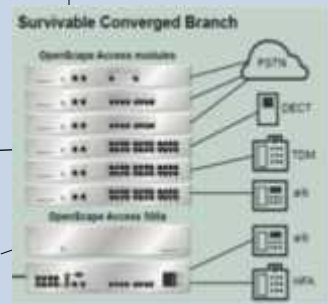
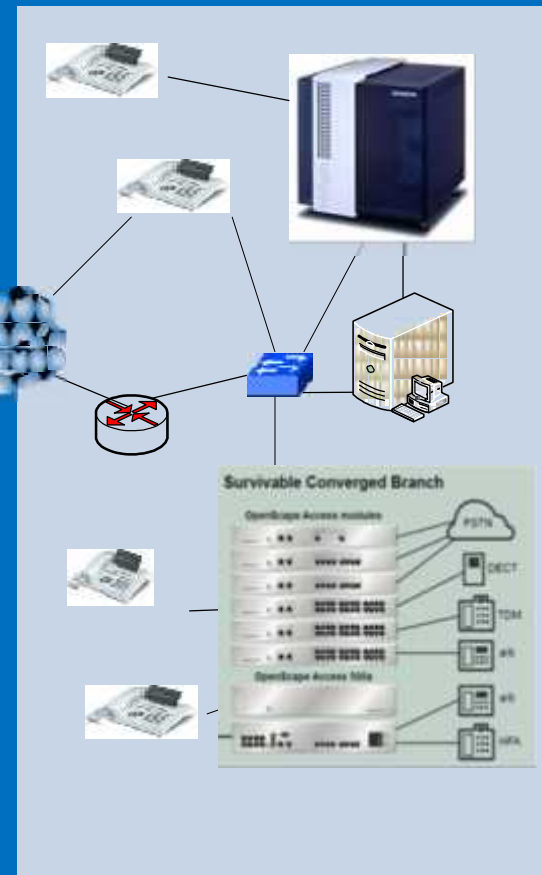
*Our solution involved integrating voice and data networks by completely overhauling the cabling infrastructure and installing Hipath 4000 V6 to cut cost to boost productivity and achieve more efficient communications between the staff. The solution was supported by highly flexible structured cabling and back borne fibre optic cabling which extended the new network to other buildings in this scope.*

Design Layout:

Senate Chambers and Offices for  
Kenya national assembly



Other Kenya National Assembly  
Linked Offices



*One of the goals of this project was to deliver improved communications capabilities and enhance call handling capacity at a reduced cost.*

*This was met by providing a Hipath 4000 Communication Server with a capacity of up to 1,800 users.*



*This project required a communications solution that could effectively and cost-efficiently deliver all the capacity and flexibility that the Kenyan Parliament required. To achieve this the following were delivered and installed by Soulco Kenya;*

- *1500 IP Openstage 20 HFA and 40 HFA telephone sets*

*300 Digital extensions 15T phones*



- *5 AC Win Attendant consoles*
- *An Integration with third party Telephone management system*
- *Hipath 4000 Expert in one central control room*



*AC Win Attendant console in use*

## Training:

Beside system installation, commissioning and on-site monitoring, Soulco Kenya engineers have also conducted a training and technology transfer to the responsible technical officials who will be in charge of control of the system and its peripherals. These included the telephone exchange operators, ICT Technicians and clerks.

Areas that were comprehensively covered during the training include;

- HiPath 4000 V6 introduction (features)
- HiPath 4000 Architecture
- Telephone configurations
- HiPath 4000 Administration
- Attendant console AC-Win IP



Benefits of this project:

- *It has brought about convenience and simplification in Administration through migration to Voice over IP (VoIP) from analogue sets*
- *Migration to a single and highly resilient communications platform has delivered considerable savings in maintenance costs and reduced incident calls to the helpdesk.*
- *There is rapid deployment of PC and telephone hardware*
- *The legislators and their support staff are able to operate more efficiently, legislate more effectively and provide the public with information they need for accountability*

Future Scope of the Project

*Installation and monitoring of this project is still ongoing in conjunction with the other stakeholders assigned to undertake various contracts of this project.*

*The integration of this infrastructure with the County Connectivity project to allow for use of services such as IFMIS*

*will further support the devolution function.*

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