First Mobile WiMax installation in Mozambique

SAF

"The first CFIP links in Maputo (Mozambique) are settled up and it was really an easy go. Mounting, adjustment, power and go – this is Plug & Play of the finest art. Mounting and setup time took less than 20 minutes for each side."

Mr.Michael Graf
Comzatel Mocambique Lda.

End-user	Comzatel Mozambique Lda.
Location:	Mozambique
Industry:	WISP
Challenge:	To build first WiMax backhaul in Mozambique
Solution:	CFIP FODU 108Mbps microwave radio systems

About Comzatel

Comzatel is a Broadband internet provider in Mozambique providing Fixed, Nomadic and Mobile Internet with the new generation technology 4G for different access classes at the same time. www.comzatel.co.za

Challenge

As the number of Internet users increases in Mozambique Comzatel also expands it's area of coverage by setting new base stations every month. To increase capacity for end-users, Comzatel has decided to implement WiMax technology into its network. To build first WiMax (802.16e) backhaul in Mozambique, Comzatel had required reliable microwave radio systems. WiMAX is a possible replacement candidate for cellular phone technologies such as GSM and CDMA or it can be used as an overlay to increase capacity. It has also been considered as a wireless backhaul technology for 2G, 3G, and 4G networks.

Solution

SAF Tehnika has provided Comzatel with SAF latest product - CFIP which has fully satisfied customer needs and provided capacity for WiMax base stations. CFIP is capable to transfer up to 100Mbps Ethernet traffic and has 4E1 for voice traffic which might be useful addition for Comzatel's future requirements. As customer has commented - the system took just 20 minutes for each site to deploy. Video installation tutorials were great addition to CFIP technical documentation which helped technical crew to prepare for proper installation.

SAF CFIP systems provide the following services for Comzatel in Mozambique:

- Backhaul for WiMax

Customer prefered SAF advantages:

- Cost effective solutions
- Efficiant Customer Service
- Installation video tutorials

Comzatel's WiMax network details

- Link distance: 1km
- SAF equipment used: Backbone - CFIP-FODU
- Quantity of CFIP links: 5
- Frequency: 13 Ghz
- Capacity: up to 108 Mbps

CFIP-FODU

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Moçambique