JET DUO dual-band radio delivers optimal capacity & coverage

Telecom operator Paratus delivers services in 3.5GHz and 5GHz bands to wide array of customers

Customer: Paratus Zambia, part of the Paratus Group, the largest privately owned Pan-African telecoms operator.

Partner: Beacon Telecom.

Customer requirements
Paratus Zambia sought to replace its old outdated network and boost capacity and coverage for its customer base, which is made up of commercial enterprises and SMEs.

The solution
RADWIN's JET DUO which operates simultaneously in the 3.5GHz and 5GHz bands, delivering up to 1.5Gbps capacity.

RADWIN equipment used in deployment
» JET DUO dual-band radios in 3.5GHz and 5GHz

» JET PRO 750 Mbps and JET AIR 250 Mbps PtMP base stations

» 800+ IP67 subscriber units 25/50/100 Mbps

RADWIN

Paratus is realizing these benefits with JET DUO

» Increased coverage and capacity as compared to old legacy network.

» Reduced tower rental costs, since Paratus can mount one base station that supports both bands.

» Ability to provide SME Internet services and Enterprise MPLS services from one base station.

» Support different customer types (SMEs and large corporations) on the same sector, enabling Paratus to grow their business without having to double up on hardware and power costs.

» By moving everything to RADWIN, Paratus has one management platform for all base stations and subscriber units all over Zambia, ensuring it can better manage, monitor and support customers.

» JET combats heavy interference in the congested 5GHz spectrum band thanks to Beamforming antenna technology.

» Fast, simple installation, virtually zero truckrolls.

> *We serve SME customers on the 5.xGHz band and use the 3.xGHz band to provide SLA services to large corporates. Tower rentals have become more affordable since we mount only one base station.*

Marius van Vuuren
Country Manager Zambia, Paratus Group

RADWIN JET DUO highlights

» Dual-band base station incorporates 3GHz and 5GHz radios in a single unit.

» Simultaneous operation in both 3.xGHz and 5.x GHz bands.

» Up to 1.5GHz throughput.

» Supporting SLAs with CIR for business subscribers.

» Beamforming antennas for each band, ensuring exceptional interference immunity.

» Operation in non-line-of-sight conditions.

About RADWIN

RADWIN ensures service providers a carrier-class broadband experience, built to support real-time bandwidth-hungry services integral to our everyday lives, while staying one step ahead of the digital game. Deployed in over 170 countries, RADWIN's systems deliver highest capacity in the toughest conditions.

www.radwin.com

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