

Case Study

PRASA - GSM - R

CLIENT
PRASA

LOCATION
KZN, WC & Gauteng, South Africa

KEY CHALLENGES

- Design, Construction and Implementation of a New Digital Radio Signaling Railway System in Gauteng (75 sites), Western Cape (42 sites) and KZN (46 sites).
- PRASA aim to have a rail system similar to Gautrain.

KEY RESULTS/ACHIEVEMENTS

- End to end Network Design
- Site Detailed Design
- System Integration
- Optimization for entire network
- Test, Commission and Hand Over

PROJECT DURATION & VALUE

This is a 7 year contract, valued at ZAR 685 Million.

FOR MORE INFORMATION CONTACT:

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ABOUT ALTRON NEXUS

Altron Nexus, formerly known as Altech Radio Holdings, is an ICT products and services solutions provider that focuses on providing telecommunication services, spanning both narrowband and broadband networks - fixed and wireless.

Altron Nexus (Pty) Ltd is the holding company for the business units focused on two way radio distribution, turnkey ICT solutions and operating our own national radio network.

The company provides a variety of converged telecommunication products and services ranging from narrowband, wireless two-way radio communication networks across the entire ICT spectrum to broadband fibre networks. Altron Nexus is an accredited level 1 B-BBEE contributor.

APPROACH

- Huawei and ANS formed a consortium called HAC (Huawei Alcom Consortium) and project was awarded to HAC.
- 7 years, 4 years planned for installation and 3 years maintenance. (March 2013 – April 2020)
- 3 Regional Network Operating Centres (NOC) in Gauteng, Western Cape and KwaZulu Natal

PROJECT SUMMARY

Turnkey GSMR & Microwave system (Build, Operate & Transfer)

- BSS equipment with the Huawei U 2000 being the primary NMS Solution
- NSS equipment
- BTS equipment
- NOC
- TOC system (dispatcher equipment)
- Various management solutions
- Maintenance on GSM-R network
- Greenfield site solutions
- Fibre splicing
- Transformer installations

CONTACTABLE REFERENCE

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