

Case Study

Square Kilometer Array Africa

CLIENT

National Research Foundation
(NRF) – Square Kilometre Array South Africa
(SKA SA)

LOCATION

Johannesburg, South Africa

KEY CHALLENGES

- Design, Construction and Implementation of a Digital Mobile Radio (DMR) System in around the radio telescope.
- ANS will operate and maintain the system for 15 years on behalf of SKA SA.
- Supply communication to the underserved communities around the radio telescope.

KEY RESULTS/ACHIEVEMENTS

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

PROJECT DURATION & VALUE

This is a 15 year contract, valued at ZAR 15 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

- Hytera equipment will be supplied.
- Managed operations will be handled for 15 years on behalf of SKA.

PROJECT SUMMARY

Supply and deliver managed services for the DMR trunk-radio communication network.

- High site base station equipment
- Backhaul equipment and link the sites to the MSO
- NNOC
- Dispatcher equipment
- Management solution
- Maintenance and operate the DMR network
- Marketing and sales of the radio network
- The system consists of four site and approximately 600 handheld, mobile and desktop radios.

CONTACTABLE REFERENCE

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Spectrum and Telecommunications Manager
Astronomy Observatory (SARAO)
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