

# Remote Piloted Aircraft Solutions

## Comprehensive Site Audits by Remote Piloted Aircraft

LS of South Africa performs comprehensive site audits by means of remote piloted aircraft, equipped with a spectrum analyser and high-resolution camera, providing a cost-effective, highly-accurate alternative to conventional aerial photography and RF measurements. For the first time ever, broadcast and telecommunications operators and regulators will be in the position to determine in an easy, quick and cost-effective way, the true onsite radiation characteristics of their RF transmission installations, and will be able to have high resolution video and photographic recordings of the ground facilities and the mast.

### Spectrum Audit

- Identification of frequencies and services used on site
- Direction of transmissions
- Antenna identification
- Regulatory compliance
- 3D Visualisation of Antenna Radiation Patterns
- Done in accordance with ITU Recommendations

### Mast Audit

- Mast position and height
- Mast occupancy and antenna locations
- Maintenance inspections
- Quality of installation inspections

### Site Audit

- Access road assessment (Video records)
- Site facility inspection
- Risk identification

### Technologies

- Mobile (GSM, UMTS, LTE, TETRA)
- Broadcast (DVB, ISDB, FM, DAB, Analog)



**LS telcom**

LS of South Africa Radio Communication Services (Pty) Ltd

[www.LSofSA.co.za](http://www.LSofSA.co.za)