



Critical Communication

LS of South Africa Radio Communication Services has accomplished themselves as a **reliable partner** in the Critical Communication areas (Mining and other vertical markets).

We **add value** in the following areas:

- Pre-feasibility and feasibility communication network studies
- Financial impact studies for network implementation
- Frequency planning/frequency management & Radio frequency assignment plans
- Frequency applications to regulatory bodies complete with frequency measurement data
- Establishment of DTM and Clutter models with terrain resolution of 1 X 1 meter
- Consideration of mining contours and end-of-life of mine contours for communications reliability
- Critical communications capacity and redundancy coverage planning
- Perform all link designs with required link redundancy and availability
- Incorporation of talk groups in coverage and capacity design (Fleetmap designs)
- Produce all drawings for all designs and implementation
- Manage/ oversee network implementation or perform the installations ourselves
- Take responsibility for system commissioning and final handover together with OEM/s
- Perform network analysis and system verification (measurements and antenna pattern verification)
- Maintenance of critical communication system (SLA)