

## COMMUNICATION NETWORK SOLUTIONS

**Our Communication Systems Team is dedicated to providing excellence in the supply and support of high quality and sophisticated communication solutions to meet today's demands and tomorrow's challenges.**

We provide comprehensive services to telecommunication network providers. This begins with initial planning through to a full-time support structure. By offering this customised service solution, we are able to collaborate with organisations that provide everything from subsea networks to residential home installations. Our communication system services include:

- Comprehensive surveying
- Feasibility Studies
- Specialist support and network auditing
- Planning, installing and maintaining of telecommunication networks
- Network upgrades
- Installing, testing and commissioning fibre optics
- Civil works associated with network construction
- Complete maintenance services and full-time support structures
- Security Systems, CCTV and Access Control
- Back to Base Monitoring
- Alarm Systems
- Systems integrations control of security, access/ lift control
- Closed circuit television (CCTV) and intercommunication systems
- Electronic access control systems
- First point of call emergency systems
- Intercom systems
- Retrofit installations

### **Our capabilities include:**

- Microwave and radio network design
- Software development (including CAD)
- Spatial design
- Telecommunications network design (fibre, radio and copper)
- Project management and stakeholder engagement
- Surveying and scoping of asset and geotechnical services
- Relocation of telecommunications infrastructure
- Design and construction of electric vehicle recharge stations
- Pole load design and calculations
- Power connection design
- Underground fibre and copper network design
- Single line and straight-line drawings
- Engineering data collection

### **Testing and Commissioning**

A strong, robust commissioning partner is essential to conclude the test and inspection paperwork at handover stage of the site into its operational stage. We ensure the installation is functioning as per the design specification via a comprehensive testing and inspection process.



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