



Comm Systems Capabilities Snapshot

Industry Background:

15 years of experience in the RF industry. With experience varying from ISP and data/microwave/PABX systems to large scale voice/data radio systems through to avionics, marine navigation/autopilots and radar systems.

Previous and current roles have included:

- Construction and maintenance of NSW's largest privately and state owned radio and data systems as well as SCADA and radio systems for Country Energy in NSW/QLD.
- Extensive contract work for Optus, Vodaphone/AAPCS (Kordia) and Telstra ranging from DLSAM installation/exchange cabling through to PDH/SDH microwave systems, RTS base station installation and maintenance.
- Extensive work in establishing networks, POP's and server facilities for local ISP's in Sydney the mid north coast of NSW.
- Extensive work with NSW Ambulance Service, NSW Rural Fire Service, NSW Fire Brigades and NSW Police service in wide area voice and data systems including encrypted P25 systems and microwave and voice radio systems for the Australian Federal Police.
- Business development management for mining based companies in WA including development of new product lines, business areas and product redevelopment (Mine Site Technologies)
- International 'Subject Matter Expert' in mining communication equipment for Icom and Benelec, previously SME for Mine Site Technologies in RF systems.
- Design, installation and commissioning of the first underground radio system to be installed in Saudi Arabia (first mining deployment of an Icom IDAS system internationally)



Comm Systems Capabilities:

Engineering Services:

- Microwave system design, link engineering and profile design/installation worksheets
- Microwave and data certification/verification and benchmark testing
- Two way radio voice and data systems design, engineering, profile/coverage analysis and auditing
- Surface and underground two way radio and telemetry systems (experience with all vendors equipment)
- Solar system design and calculations
- IP radio systems and dispatch consoles
- Trunked and digital radio systems, TETRA, P25, IDAS, DMR and others including simulcast radio systems
- HF radio system design and maintenance
- Differential GPS and survey systems design and maintenance (Lieca and Pacific Crest)
- Large scale RF combiner and antenna distribution systems
- AM/FM Broadcast radio services, retransmission systems through to commercial broadcast transmitters
- Broadcast TV services, retransmission systems through to commercial broadcast transmitters including digital
- Consultancy in DC power and RF radio/microwave systems
- Remote blasting systems (Blast PED/Rothenbuhler)

RPA (Remotely Piloted Aircraft)

- Communication and infrastructure inspection services
- High Voltage inspections
- Survey & volumetric analysis
- Ariel photography & videography services

Rigging/Construction/Mechanical Services:

- Advanced rigging
- Industrial rope access
- Tower erection, maintenance, fall arrest/prevention systems
- Site construction, earth works, building/concreting services
- General welding and fabrication
- Mechanical repairs/maintenance (diesel & small gas turbine generator systems)

Data & Telephony Services:

- Fibre optic splicing and systems including PON systems
- Structured data cabling works and network certification
- Camp MATV systems - digital & analog including data over coax systems
- Camp/office meshed WIFI systems (Ruckus Wireless)
- Mine site fleet management meshed wireless data systems (Modular Mining, 3D-P, Lieca Jigsaw, Rajant, MST Impact)
- CCTV systems - IP & coaxial
- Seismic monitoring systems (surface/underground)
- Unrestricted ACMA cabling



Comm|Systems

Comm Systems

ABN: 18 349 722 838

1/35 Great Eastern Highway
West Kalgoorlie 6430

Ph: (08) 9091 9078

Email: sales@commsystems.com.au

Product Wholesale/Supply:

- General electronics wholesaler (Altronics)
- Mean Well power supply, chargers, inverters and DC modules wholesaler
- Wave IP microwave importer/distributor
- Cel-Fi mobile phone repeater systems
- Benelec RF products, cables, antennas and consumables wholesaler
- Industrial/automotive/solar battery wholesaler including solar panels and rectifiers
- Registered dealer/distributor for two way radio equipment within regional WA
 - o Icom, Tait, Simoco, Kenwood, Harris & Motorola two way radio products
- Ruckus Wireless authorised channel partner
- Mobile trailer/skid type platforms for use with radio and microwave systems