



Capability Statement

Quantum Comms Pty Ltd began trading in 2013 at Quantum Travel Towers providing truck mounted EWP hire to a range of industries, mainly the telecommunications industry. Quantum Comms now have twelve truck mounted cherry pickers reaching up to 70m including a 16m insulated EWP all available for both wet and dry hire. Quantum Comms are currently based in Victoria, New South Wales & Queensland with availability to service Clients Australia wide. Quantum Comms employs 40 highly skilled telecommunication riggers, technicians, electricians, plant operators and engineers; this is divided to include three rigging crews in QLD, five Rigging crews in VIC, two civil / road access crews in VIC, nine technicians and twelve Qualified EWP operators.

Core Competencies

Quantum Comms has grown rapidly through the expansion of its original core business and now provides a range of rigging and construction services to the telecommunications industry across Australia. Quantum Comms has over 50 years combined experience in the industry, with competent crews completing high quality installations ahead of time and under budget.

Quantum Comms have crews on hand to complete works in many areas on monopoles, lattice towers, guy masts, rooftops, wireless metering Greenfields, HV towers, property maintenance/ annual inspections and full greenfield sites covering all areas of works including;

- Obtain relevant permits to work
- Procurement of materials including steelwork supply
- Civil works including drilling (inhouse up to 2100mm diameter bored piers)
- Cable runs aerial and underground
- Monopole, lattice tower and guyed mast erection
- Shelter Installation
- Complete external communications installations
- Complete internal communications installation



- Testing and commissioning of sites
- Comprehensive handover documentation
- Lad Safe inspections
- Preventive maintenance
- Full turn key / greenfields

EWP Hire



Quantum comms have a first-class fleet of 12 truck mounted EWPs with a maximum reach of 70m.



- EWPs operate out of Melbourne (VIC, Head office), Newcastle (NSW) and Brisbane (QLD)
- EWPs are Fitted with lifting arms and/or winches
- 4WD access
- Low and high voltage insulated units available
- Extendable baskets available
- Bog Mats available
- Electrical spotters available
- Competent EWP operators with rigging and dogging experience
- We offer both short or long term, wet or dry hire
- Operator hold valid HR licences, first aid & CPR, working at heights, tower rescues, all telecommunications carrier inductions
- Maximum reach up to 70m
- Maximum side reach up to 40m
- Maximum wind speeds up to 12.5m/s
- Up to 700kg safe working limits
- Narrow jacking and one-sided jacking available



Quantum Comms have experience working on:

- Telecommunication
- Line of sight
- Sign install
- Window Cleaning
- Tree Lopping
- Photography
- Powerlines
- Windfarms
- Recreational Lighting



Personnel and Equipment



Quantum Comms are well equipped to carry out all telecommunications projects with crews which specialises in civil works.



Quantum Comms have:

- 12t Excavator with rock breaker
- Truck mounted EWP's up to 70m
- 600mm, 1200mm, 1500mm, 1800mm & 2100mm Augers
- 2 x Crane trucks
- 3 x Capstan winches
- Tipper truck
- Skid Steer
- 3t Excavator
- 5t Excavator
- Trencher
- 6x6 Tipper truck and float

Other equipment allows our competent comms teams to complete works from installation to testing.

- Gin poles
- JMA Connector tools
- Anritsu
- Fibre Testing Equipment
- BER Tester
- 720-757MHz PIM tester

Quantum Comms have crews which specialise in tower erection without cranes using Gin poles and tower and guide mast erection. Our highly skilled crews include

- Electricians
- Advanced riggers
- Scaffolders
- Technicians
- Electrical spotters
- Warehouse manager
- Project Manager
- Project Engineers
- Transmission Linesman
- Diesel mechanics



Training

At Quantum Comms we strive to ensure the safety of our personnel by ensuring all training is kept up to date. Every site based employee has completed as a minimum;

- Tower rescue training (annually)
- Working at Heights (every two years)
- First Aid (every 3 years)
- CPR (annually)
- Radhaz/EME awareness (Every 3 years)
- General construction Induction
- Optus Induction (annually)
- Vodafone Induction (every 2 years)
- Telstra Induction (every 3 years)

We also have crews available with up to date inductions and training for specialist sites:

- AusNet Services (HV Lines) - Quantum Comms are Accredited Delivery Partners with Ausnet Services
- Rail Industry Workers
- Broadcast Australia

Every team leader's vehicle is equipped with;

- Radiation monitor 'radman'
- IVMS
- First aid kit
- Basic barriers and signage
- Anemometer
- Tower rescue kit
- Spill kits
- Two-way radios
- MSDS register
- Full Quantum Comms safety pack including risk assessments and all plant SWMS for all business areas



Current Projects

- Telstra blackspot/ Greenfields
- Vodafone eJV
- Eltek Solar Greenfields
- Telstra GOA Project
- Telstra FIDO
- Broadcast Australia Civil Works

Past Performances

Quantum Comms expertise can be demonstrated in the wide range of projects that have been completed, working for key industry leaders such as Servicestream, Visionstream and ICS industries, which include;

- Full eJV & LTE greenfield builds
- Optus/Vodafone eJV site upgrades
- LTE site upgrades
- Tower, mast and pole builds 100m+ including all civil works.
- Full Telstra L700 greenfield builds
- Jersey Project
- Telstra 4G
- Mast and tower restrengthening
- Full site decommissions
- Cable and feeder run
- Cable tray installation
- NBN sites
- Head frame swap outs
- Fibre installation
- Tower painting and camouflaging
- Line of sights
- Installation of microwave links/ wave guide
- Fault finding and fixing
- Hut installations and swaps
- ODU Slabs and swap outs
- Broadcast Installation
- Running optic fibre cables on Tram Poles and Electrical distribution poles



Differentiators

At Quantum Comms we pride ourselves on our turnaround times whilst maintaining a safe workplace and a high-quality build.

At Quantum Comms we consider ourselves to be problem solvers and endeavour to find a solution to all problems without the outlay of excessive time and money.

Quantum Comms can provide both Wet and Dry hire of an assortment of EWPs including trained riggers as EWP operators.

Our crews are flexible to work throughout Australia in metro and remote locations.

We strive to provide our employees a safe and rewarding workplace and to provide our clients a quality and hassle-free service.