



COMPANY PROFILE

OF

NIXON

COMMUNICATIONS

OUR COMPANY

Our Mission

- To provide innovative and effective solutions to communication problems in remote and non-remote environments by supplying systems and equipment, and supporting these with fast and reliable repairs and maintenance services.

Our History

- Started by John Nixon in Gladstone, Queensland, Australia in 1977 as a one man operation
- Today our Head Office is still in Gladstone
- Branch Offices in Rockhampton and Mackay
- Provides communication systems to major commercial, construction and mining projects throughout Central Queensland, Australia, New Guinea, Asia and the Solomon Islands

Our Transport

- Three Company aircraft, a fleet of vehicles and pilot technicians provide fast and efficient installation and back-up service wherever necessary.

Our Guarantee

- Our Quality System is Third Party accredited to ISO9001:2000 standard (Sci-Qual International No. 435).
- Accreditation covers the design, supply, manufacture, installation and maintenance of communication equipment and systems

Our Staff

- Highly skilled and qualified technicians
- Very experienced pilot / technicians
- Well informed and helpful sales staff
- Dedicated support / administrative staff

CAPABILITIES OF THE COMPANY

Nixon Communications has a successful record of achievement in a wide variety of areas:

REMOTE CONSTRUCTION COMMUNICATION SYSTEMS SPECIFICALLY DESIGNED FOR CONSTRUCTION AND OPERATIONS

This communication system is ideal for construction work, using either single repeater or multiple repeaters for pipeline, roadway or general construction where continuous communication may be required for up to 1000kms.

The System	The Service	The Equipment
<ul style="list-style-type: none">• Transportable repeater stations• Self-contained, solar powered trailer units• Tower sections assembled on site• Each repeater site operational in less than 3 hours• Provides clear, reliable communications• Project coverage as required	<ul style="list-style-type: none">• Qualified and experienced technicians• Complete installation• Maintenance of the system and all equipment• 3 Company aircraft for speedy service• Camp shift of all communications equipment• Available throughout Australia and South East Asia	<ul style="list-style-type: none">• 2 Way Radio coverage of the project• Base stations, mobiles & handhelds• Camp satellite TV systems• Iterra camp phone systems• HF Radios• Optus and Iridium Mobile Satellite phones• Satellite data link direct to city office

Some Major Projects Include

Queensland

- Roma to Gladstone Pipeline
- Ballera to Mt Isa Pipeline
- Century to Karumba Slurry Pipeline
- Eromanga Gas Project
- SW Queensland Pipeline

New South Wales

- Longford to Sydney Pipeline
- Moomba to Sydney Pipeline
- Marsden to Dubbo Pipeline
- Wodonga to Wagga Wagga Pipeline

Victoria

- Carisbrook to Horsham Pipeline
- Iona to Lara Pipeline

South Australia

- SEA Gas Pipeline
- Roxby Downs Water Pipeline

Western Australia

- Kambalda to Esperance Pipeline
- Murrin Murrin Pipeline
- Karratha to Port Hedland Pipeline
- Port Hedland to Telfer Gas Pipeline

Tasmania

- Tasmania Natural Gas Pipeline

Northern Territory

- Alice to Darwin Rail (Adrail)

ACT

- Canberra Mains

MAJOR INTERNATIONAL PROJECTS COMPLETED

- Port Control Radio System for the Taichung Port Bureau, Taiwan
- Forestry Industry Communication Systems, New Guinea and Solomon Islands

AREA WIDE REPEATER SYSTEMS

Nixon Communications (NC) can provide an area wide communication network designed specifically for your requirements. NC can:

- Design
- Manufacture
- Install and
- Maintain the network for our customers

By linking together numerous repeaters, we can provide total communication coverage over hundreds of kilometres.

State and Local Government Systems

Examples include:

- Queensland Ambulance Service, consisting of 60 talk through repeaters allowing mobile to mobile coverage of Central Queensland and telephone interconnect to hospitals
- Queensland Rail system between Charters Towers and Mt Isa
- Townsville City Council, complete with telephone interconnect and 240 mobiles
- Numerous Shire Councils, including Broadsound, Calliope, Banana, Tambo, Barcaldine, Ilfracombe, Peak Downs, Mundubbera, Miriam Vale, Gayndah, Sarina, Nebo and Mackay City Council.

Mining Industry Systems

Examples include:

- Moura Open Cut Mine
- Central and Southern Collieries
- Kestrel Coal
- BMA Crinum and Gregory Mines
- Curragh Mine
- BMA Blackwater
- Yarrabee
- BMA Goonyella Riverside Mine
- Callide and Boundary Hill Mines
- German Creek Open Cut Mine
- Foxleigh Mine
- Blair Athol Mine
- Burton Coal

NIXON COMMUNICATIONS' NETWORK OF REPEATERS IN CENTRAL QUEENSLAND

Nixon Communications also owns and operates its own network of sites covering Central Queensland. These service, industry and private enterprise throughout the region, offering cost effective, private communications between the office and mobile units for our customers.

Examples of users are:

- IPEC Transport
- Queensland Correction Services
- Pioneer Concrete
- Chubb Security
- Boral Concrete

COAL MINE COMMUNICATION SYSTEMS FOR UNDERGROUND AND OPEN CUT OPERATIONS

Nixon Communications has designed, manufactured and has this unique system approved by the Mines Departments of Queensland and New South Wales.

The System

- Relocatable Intrinsically Safe (IS) approved repeater based units for underground operations
- IS approved belt-mounted portable radios with extension speaker/microphones
- Allows freedom of communication throughout the working area of the mine
- Full surface to underground communications
- Interface to normal telephone system and DAC intercom system
- Continuously Rated Equipment
- Corrosion-proof stainless steel antenna systems and enclosures
- Queensland Mines Department Approval No. 91 7006X
- New South Wales Mines Department Approval No. MDA 10012

Mines Using This System

Mines using this system include:

- BMA Crinum
- Capcoal
- South Bulli
- Hunter Valley Mines

TELEVISION TRANSLATORS

The company has installed TV translators for Banana Shire Council at Cracow and for the Broadsound Shire Council at Clairview and St Lawrence. It also provides TV for remote construction sites via satellite link.

FM RADIO REBROADCASTS

The company has installed radio rebroadcast systems at Callide and Blackwater mines.

PREVENTATIVE MAINTENANCE AND EMERGENCY CALLOUT SERVICES

Nixon Communications provides organised preventative maintenance programs and fast and efficient emergency call out services to numerous organisations. Our customers include:

- National Power Services
- Oil Company of Australia
- Optus Digital
- Vodafone Digital
- Quantum Multimedia Communications (Link)
- Orange Communications (Hutchison)
- Numerous Central Queensland Shire Council and Mines
- CSR Plane Creek Sugar Mill
- AAP Communications Services (Vodafone)

CLOSED CIRCUIT TELEVISION

Nixon Communications provides industrial monitoring of plant operations and equipment. We design, install and maintain systems to the customer's requirements.

Our customers include:

- Gladstone Port Authority
- NRG Power Station Gladstone
- Moura Coal Mine
- German Creek Coal Mine
- Callide Coal Mine

PAGING

Nixon Communications provided many sites for, installed and now maintains the paging systems for Quantum Multimedia Communications (Link) and Orange (Hutchinson) in the Central Queensland region.

NC provides solutions for industry in the paging area. Our system provides for:

- In-house dispatch of messages from any computer work station
- Automatic transmission of alarm signals to a responsible person or group
- Pre-coded messages from any telephone
- Direct access to the Nation-Wide Network
- Private installed paging for private and commercial users

CONSULTING SERVICES

Nixon Communications provides expert technical consulting services for clients requiring area wide communication systems, mining systems, including underground communication systems. NC also provides system design, including profile analysis and emapherical surveys.

Examples include:

- Westinghouse Brake and Signal (automatic train control system)
- National Power Services
- Queensland Ambulance
- Eromanga Gas – Radio Survey for Telemetry and Communication Sites

SITE FACILITIES FOR LARGE COMMUNICATIONS PROVIDERS

Nixon Communications also provides the most modern, state-of-the-art and well located site facilities to many large communication providers, such as:

- Optus
- Vodafone
- Telstra
- Quantum Multimedia Communications (Link)
- Orange Communications (Hutchison)

TELEMETRY AND SUPERVISORY, CONTROL, AND DATA ACQUISITION (SCADA) SYSTEMS

Suitable for the following applications:

- Water and Sewerage
- Gas
- Fire and Security
- Road and Rail
- Electricity

SCADA

Scada allows you to:

- Switch control equipment on and off, remotely and automatically
- Return readings continuously to a central monitoring area

Nixon Communications has installed and maintains systems controlling and providing data on water pumps, conveyors, cooling systems etc. for many applications in Shire Council and mining situations.

Examples include:

- Kestrel Coal
- Capcoal
- Broadsound Shire
- Belyando Shire
- German Creek Mine
- Oil Company of Australia (OCA), where the data system provides the connection between the monitoring stations and the computers throughout the system
- Gladstone and Ipswich City Councils, where a radio controlled data link allows continuous access to the mainframe computers
- Gladstone Port Authority

WIRELESS DATA SYSTEMS

The company has also installed and maintains microwave backbones for telephones, internet, data and voice radio systems.

Examples include:

- AAP Communication Services
- Various coal mines