



DARWIN
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**Electrical Instrument and
Process Control Engineers**

EMAIL: info@territoryinstruments.com

WEB: www.territoryinstruments.com

ABN 36 077 657 900

Company Profile

Territory Instruments



2010 NORTHERN TERRITORY FINALIST

Territory Instruments was formed in the year 2000 and is locally owned and operated. We employ professional, experienced and skilled staff as well as passing on our knowledge to our apprentices. We primarily focus on the regions industrial instrumentation and process control engineering requirements.

We specialise in process control optimisation via instrumentation and electrical engineering support from the feasibility stage through to maintenance and modification of existing plant and equipment. Our services are tailored to match client's specific needs, consistent with international standards and hands on approach ensure prompt delivery and high level of customer satisfaction.

Territory Instruments is dedicated to being an industry leader in our field of expertise. Our offices in Darwin and Alice Springs are located to facilitate sales and service throughout the entire NT Region.

Being involved in instrument projects from design, specification, selection and supply to installation, calibration, commissioning and maintenance.

We offer services in the following areas:

- Process measurement and control systems design, installation, problem analysis, maintenance and repair.
- Calibration of measuring and control instruments with NATA certified equipment.
- Control system design, installation, problem analysis, maintenance and repairs.
- Energy audits
- Protection relay testing and setting
- Thermo graphic surveys
- Design of process control, plant drive and industrial lighting layouts.
- Design and implementation of P.L.C. programmes and networks.
- Project management services from project planning to direct project control.
- Automating existing plants, processing, power generation, using PLC systems interfacing to SCADA systems.
- Manufacture of custom built machine control systems.
- Supply and installation of computer control systems.
- Control system upgrades from relay logic to PLC logic.
- Control system audits
- Test equipment calibration
- Electrical contracting
- Instrument hire

The great diversity of products found in the mining, oil and gas and manufacturing industries has led us to establish strong supply relationships with most reputable manufacturers to cover any customer requirements. We are proud to be the authorised Northern Territory distributor of:

- George Fisher Signet
- United Electric
- Temperature Controls
- GE Fanuc
- Endress + Hauser
- Industrial Scientific
- Foxboro
- Ambit Instruments
- Burkert Fluid Control Systems
- Eurotherm
- Dwyer
- Metso Automation

Our company holds a current Electrical Contractors Licence, no: C1847, which enhances our ability to offer complete process control solutions.

We have a comprehensive range of process calibration equipment enabling us to perform in-house or on-site checks for pressure, temperature, level and electrical parameters.

NATA and quality assurance certification is available.

Territory Instruments Darwin based workshop also offers a wide variety of instrument hire - multimeters, tachometers, electrical appliance tester, clamp meter, pressure calibrators etc. All equipment is tested and calibrated to meet all customer requirements.

Our company has provided labour support for projects throughout Australia, Timor Leste and Indonesia. Rates for engineers, supervisors and technicians are available upon request for any situation.

Our instrument and electrical technicians have completed first aid, confined space, elevated work platform and helicopter underwater emergency training courses.

In May 2010 ISO accreditation was achieved in the areas of quality assurance, environmental management and occupational health and safety.





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Completed Projects

Territory Instruments



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Union Reefs Gold Mine Pine Creek NT:

Instrument Calibrations

Shoal Bay Power Station NT:

Instrument Calibrations

HMAS Coonawarra Naval Base Darwin NT:

Design, Supply and Installation of Instruments and Control Panels

Kings Canyon Power Station NT:

Installation of Instrumentation

Moil Primary School Darwin NT

Design, Supply and Installation of Main Switchboard

Dripstone Middle School Darwin NT:

Lighting Upgrade

Casuarina Senior School Darwin NT:

Lighting Upgrade

DLNG – PWC Gas Pipeline Darwin NT :

Instrument electrical security and communications installation

Darwin LNG Plant Darwin NT :

Provision of instrument technicians for shutdown

Helium Plant Darwin NT :

Buildings electrical services

Wickham Point Gas Regulation Station Darwin NT :

Instrument installation

DLNG Dangerous Goods Facility Darwin NT :

Electrical fire detection and security installation

Bonaparte Gas Pipeline NT :

Electrical and instrument installation

Front Puffin FPSO Timor Sea :

Critical systems function testing

Brewer CNG Plant Alice Springs NT :

Instrument calibrations

Darwin LNG Plant Darwin NT :

Manufacture and installation of instrument panels for N2 injection

Karratha LNG Plant Karratha WA :

Flowmeter commissioning for train 5

Weddell Gas Metering Station Darwin NT :

Instrument and lightning protection installation

Channel Island Power Station Darwin NT :

Design and installation of boiler water instrument panel

Weddell Power Station Darwin NT :

Instrument installation

Channel Island Power Station Darwin NT :

Design supply and installation of turbine fire and gas panels

Pine Creek Power Station Pine Creek NT :

Instrument calibration

Ranger Mine Jabiru NT :

Installation of fixed gas detection system

Vopak Fuel Farm Darwin NT :

Supply and installation of instrument tubing

Royal Darwin Hospital Darwin NT :

Design manufacture and installation of emergency power switchboard

Biodiesel Plant Darwin NT :

Instrument and control system commissioning

Tindal RAAF Base Katherine NT :

Supply and installation of fuel farm level transmitters

Frances Creek Mine Pine Creek NT :

Weightometer calibrations

Buffalo FPSO Timor Sea:

Hook up of well head control valves to control panel

Jabiru FPSO Timor Sea:

Provision of instrument and electrical technicians during shutdown

Palm Valley Gas Plant Palm Valley NT:

Installation of instrumentation and electrical equipment

Tennant Creek Power Station Tennant Creek NT :

Fuel transfer instrument upgrade

Troughton Island Timor Sea Aviation Base:

Power station upgrade

Royal Darwin Hospital Darwin NT:

Staff accommodation lighting upgrade stages one and two

NT Government House Darwin NT:

Lighting upgrade

Larrakeyah Barracks Darwin NT:

Installation of building management system for officers mess building

Challis FPSO Timor Sea:

Instrument and electrical equipment hazardous area survey

NT Department of Arts Darwin NT:

Security lighting

Timor Telecom Main Exchange Dili Timor Leste:

Automation of emergency power system

Cutta Cutta Caves Katherine NT:

Automation of cave lighting system

Kidman Springs Station NT:

Design and installation of generator control system.

Palmerston High School Palmerston NT:

Switch boards modifications

Howard Springs Primary School Howard Springs NT:

Lighting upgrade

Alice Springs Hospital Alice Springs NT:

Installation of exit and emergency lights

Darwin High School Darwin NT:

Lighting Upgrade.



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