



STATEMENT OF CAPACITY

Marine Services Industry in the Northern Territory

Published by the Northern Territory Government 2021





Offshore Patrol Vessel (OPV) under construction
Commonwealth of Australia, Department of Defence

STATEMENT OF CAPACITY

Marine Services Industry in the Northern Territory

The Northern Territory Government commissioned the Industry Capability Network of the Northern Territory (ICN NT) to undertake an industry capability mapping and gap analysis study of businesses in the greater Darwin region associated with servicing the marine industry.

Industry in the Northern Territory has strong capabilities to service the maintenance and supply requirements of defence and offshore oil and gas platform support vessels. The study analysed local capabilities across 81 discrete scopes and found 134 businesses with proven experience and relevant accreditations.

Industry in the greater Darwin region is currently meeting the service and supply requirements of a variety of vessels, including the Armidale Class Patrol Boats, Australian Border Force's Cape Class Vessel, Platform Supply Vessels servicing the offshore oil and gas industry, fishing, cargo ships, and visiting international naval vessels.

In 2020 Defence announced Plan Galileo which sets out an ambitious transformation path for the sustainment of the Royal Australian Navy's surface fleet. A key component of Plan Galileo is the development of four Regional Maintenance Centres in strategic locations around Australia, including Darwin. These will operate in a nationally integrated sustainment environment that consistently provides affordable, reliable and fit-for-purpose systems and ships for the Royal Australian Navy to fight and win at sea.

The Royal Australian Navy currently operates twelve Armidale Class Patrol Boats and two Cape Class Patrol Boats across Northern Australia. The Armidale Class are nearing the end of their 15-year service life and will be replaced by twelve much larger Arafura Class Offshore Patrol Vessels, the first of which is due to arrive in 2022. This presents new opportunities for local Industry to support these more complex capabilities.

In recognition of the growing demand, the NT Government is progressing with the Darwin Ship Lift Facility. In addition, the Land Development Corporation is developing the 150 hectare Marine Industry Park to support the defence, oil and gas, coastal barging and logistics sectors.

“

Plan Galileo directs the development of an integrated continuous sustainment model that is underpinned by an enterprise that is adaptive and quick to respond to Navy's maintenance and modernisation requirements. We are building a world class continuous sustainment environment for the 21st century and beyond. In the near future Regional Maintenance Centre - North will deliver that sustainment activity. A strong, capable, responsive and flexible local industry is essential in realising the benefits of Plan Galileo for Navy's Darwin-based home ported vessels, as well as those that visit throughout the year.

”

Rear Admiral Wendy Malcolm, CSM, Royal Australian Navy
Head Maritime Systems

CAPABILITY OVERVIEW AND INDEX

Fabrication

Scope of Work	NT Capability	Page
Aluminium	High	6
Brazing	High	6
Carbon Steel	High	6
Exotic Metals	High	6
Heavy Fabrication	Moderate	7
Structural Repairs	High	7
Light Fabrication	High	7
Materials Testing	Moderate	7
Piping	High	8
Pressure Vessels	Moderate	8
Stainless Steel	High	8
Underwater Welding	Modest	8
Copper-Nickel Welding	High	9
GRP and Composites	Modest	9
Valve Overhaul	High	9
Welding Services	High	9

Mechanical

Scope of Work	NT Capability	Page
Air Compressors	Moderate	10
Condition Monitoring	Moderate	10
Cranes and Davits	High	10
Fuel Suppliers	Modest	10
Generators Systems	High	11
Heavy Engine Servicing	Moderate	11
Hydraulic Systems	High	11
Load Testing	Moderate	11
Mechanical Lubricants	Moderate	12
Oil Analysis	Modest	12
Oil Water Separators	Modest	12
Pumping Systems	High	12
Shafts and Propellers	High	13
Small Engine Repairs	Moderate	13
Thrusters and Stabilisers	Moderate	13
Mobile Cranes and Riggers	Modest	13

Heating, Ventilation and Air Conditioning Services

Scope of Work	NT Capability	Page
Air Conditioning Cleaning	Modest	14
Air Conditioning Servicing	Modest	14
Lagging and Ducting	Modest	14
Refrigerant Gas Supply	Modest	14
Ventilation Fans	Moderate	15
Water Temperature Systems	Modest	15

Electrical

Scope of Work	NT Capability	Page
Audible Systems	Moderate	15
Battery Systems	Modest	15
Cables and Wiring	Moderate	16
Digital Instrumentation	Moderate	16
Electrical Motors	Moderate	16
Electronic Access Systems	Modest	16
Fire Systems	Moderate	17
General Electrical Repairs	Modest	17
Laundry Systems	Modest	17
Lighting Systems	Moderate	17
Switch Gear And Panels	Moderate	18
Test and Tag	Moderate	18

Navigation

Scope of Work	NT Capability	Page
Autopilot Systems	Moderate	18
Gyrocompass and Wind Instruments	Moderate	18
Radar Systems	Moderate	19
Radio Communication Systems	Moderate	19
Satellite Navigation Systems	Moderate	19

Corrosion Control

Scope of Work	NT Capability	Page
Abrasive Blasting and Coatings	Moderate	20
Cathodic Protection	High	20
Industrial Painting	Moderate	20

Utilities

Scope of Work	NT Capability	Page
Breathing Apparatus	Moderate	21
Cabinet Makers	Modest	21
Chemical Suppliers	Moderate	21
Furniture Fit Out	Modest	21
Hospitality Equipment	Modest	22
Medical Supplies and Equipment	Modest	22
Nautical Suppliers	Modest	22
Emergency Evacuation Equipment	Modest	22
Chemist	Moderate	23
Temporary Power Services	Moderate	23
Temporary Air Services	High	23
Temporary Sewage Services	Modest	23
Temporary Lighting Services	Moderate	24

Plumbing and Water

Scope of Work	NT Capability	Page
Commercial Plumbing	Moderate	24
Potable Water Suppliers	Modest	24
Water Treatment	Modest	24

Other

Scope of Work	NT Capability	Page
Non-Destructive Testing	High	25
Scaffolding	Modest	25
Waste Management	Moderate	25
Forensic Cleaning	Modest	25
Survey Work	Modest	26
Vessel Anchors, Cables, Windlass Survey	Moderate	26
Security Services	Modest	26

HOW TO READ THIS DOCUMENT



5

NUMBER OF CAPABLE BUSINESSES IN THE SCOPE IDENTIFIED BY THE STUDY
Capability: High 11+ | Moderate 6-10 | Modest 1-5 businesses



Majority Large

OVERVIEW OF THE TURNOVER OF CAPABLE BUSINESSES IN THE SCOPE
Turnover: Small <1m - 10m | Medium 10m - 20m | Large >20m



Several Large

OVERVIEW OF THE EMPLOYEE NUMBERS OF CAPABLE BUSINESSES IN THE SCOPE
Employees: Small 1 - 19 | Medium 20 - 199 | Large 200+



1

NUMBER OF MAJORITY OWNED ABORIGINAL CAPABLE BUSINESSES IN THE SCOPE

Compliance:

THE RANGE OF INDUSTRY ACCREDITATIONS HELD BY CAPABLE BUSINESSES IN THE SCOPE

Previous clients:

OVERVIEW OF THE PREVIOUS CLIENTS OF CAPABLE BUSINESSES IN THE SCOPE

Fabrication

ALUMINIUM

Specialised welding repairs to aluminium surfaces and construction of aluminium based components/products.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Border Force, offshore oil & gas, shipping companies, private maritime industry

BRAZING

Soldering, fixing or joining by soldering with alloy of copper and zinc at high temperatures.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Border Force, offshore oil & gas, shipping companies, private maritime industry

CARBON STEEL

Specialist welding repairs to carbon steel surfaces and construction of carbon steel based components/products.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Border Force, offshore oil & gas, shipping companies, private maritime industry

EXOTIC METALS

Specialist welding repairs and fabrication of parts using uncommon materials such as plastics, super



Compliance: AS/NZS 4801:2001, ISO 9001:2008, ISO 14001:2004

Previous clients: Defence maritime contractors, offshore oil and gas, major shipping companies

HEAVY FABRICATION

Fabrication and repairs of large heavy metal components and structures.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Border Force, offshore oil & gas, shipping companies, private maritime industry

STRUCTURAL REPAIRS

Fabricated repairs or welding of the ships' hulls and primary vessel structure.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Border Force, offshore oil & gas, shipping companies, private maritime industry

LIGHT FABRICATION

Fabrication of railings, stairs, balustrades, chains and other small and light metal based products.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Defence maritime contractors, Border Force, offshore oil & gas, shipping companies

MATERIALS TESTING

Testing and characterisation of materials to classify strength, resistance and elasticity to ensure integrity.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Defence maritime contractors, Border Force, offshore oil & gas, shipping companies, private industry

PIPING

Fabrication of piping and associated components including elbows, tees and flanges.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Border Force, offshore oil & gas, shipping companies, private maritime industry

PRESSURE VESSELS

Fabrication of containers for the use of gases or liquids at pressures different from the ambient pressure.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Border Force, offshore oil & gas, shipping companies, private maritime industry

STAINLESS STEEL

Specialist welding repairs to stainless steel surfaces and construction of stainless steel based components/products.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Defence maritime contractors, Border Force, offshore oil & gas, shipping companies, private

UNDERWATER WELDING

Specialist welding repairs at an elevated pressure in a wet environment on structure of vessels and offshore platforms.



Compliance: ISO 3834.2:2008, DNV, Lloyds, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Defence maritime, Border Force, offshore oil & gas, shipping companies, private maritime industry

COPPER-NICKEL WELDING

Specialist welding repairs to copper-nickel surfaces and construction of copper-nickel components/products



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Defence contractors, Border Force, offshore oil & gas, shipping companies, private maritime industry

GRP AND COMPOSITES

Repairs of vessels using glass reinforced plastic including fibreglass.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Defence contractors, Border Force, offshore oil & gas, shipping companies, private maritime industry

VALVE OVERHAUL

Repairs, maintenance and replacement of vessel valves.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Defence maritime contractors, Border Force, offshore oil & gas, shipping companies, private

WELDING SERVICES

General welding repairs to metal surfaces and components existing on vessels.



Compliance: ISO 3834.2:2008, DNV, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO/IEC 1702, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy (RAN), International Navy vessels, Defence contractors, Border Force, offshore oil & gas, shipping companies, private maritime industry

Mechanical

AIR COMPRESSORS

Installation, repairs and maintenance services to industrial air compression systems.



Compliance: AS 2337-2006, DNV, AS/NZS ISO 14001:2004, ISO 9001:2008, BS OHSAS 18001:2007, NATA, AS/NZS 4801:2001, ISO 45001:2018

Previous clients: Royal Australian Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

CONDITION MONITORING

Predictive maintenance and detecting of mechanical faults through vibration, temperature and other associated methods of analysis.



Compliance: AS/NZS ISO 14001:2004, ISO 9001:2008, BS OHSAS 18001:2007, DNV, NATA, ISO/TS 29001:2011, AS ISO/IEC 17025, AS/NZS 4801:2001, ISO 45001:2018

Previous clients: Department of Defence, US Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, private maritime sector

CRANES AND DAVITS

Installation, repairs and maintenance of on-shore and off-shore mechanical and hydraulic cranes and davit lifting systems.



Compliance: AS/NZS 4801:2001, ISO 9001:2008, DNV, NATA, BS OHSAS 18001:2007, AS ISO/IEC 17025-2005, ISO 14001:2015, ISO 45001:2018

Previous clients: Royal Australian Navy, International Navy vessels, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

FUEL SUPPLIERS

Supply and delivery of bulk fuels.



Compliance: ISO 14001:2004, ISO 9001:2008, ISM, BS OHSAS 18001:2007, AS/NZS 4801:2001

Previous clients: Department of Defence, Defence maritime contractors, offshore oil & gas, shipping companies, private maritime sector

GENERATOR SYSTEMS

Installation, repairs and maintenance of fuel powered marine power generation systems.



Compliance: ISO 9001:2004, AS/NZS 4801:2001, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018

Previous clients: Royal Australian Navy, NZ Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

HEAVY ENGINE SERVICING

Repairs and maintenance to inboard heavy engine systems (MTU series 4000 12V or similar).



Compliance: AS/NZS ISO 31000:2009, AS/NZS 4801:2001, ISO 14001:2004, ISO 9001:2015, BS OHSAS 18001:2007

Previous clients: Department of Defence, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

HYDRAULIC SYSTEMS

Repair and maintenance of hydraulic drive or transmission powered systems and equipment.



Compliance: ISO 4406:1999, NATA, AS/NZS 4801:2001, ISO 9001:2008, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, ISO 55000:2014, AS/NZS ISO 31000:2009

Previous clients: Royal Australian Navy, US Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

LOAD TESTING

Testing of rigging, cranes, davits, winches and associated components to determine equipment load capacities.



Compliance: DNV, NATA, Lloyd's Register, ISO/IEC 17025, ISO 9001:2008, BS OHSAS 18001:2007, AS/NZS 4801:2001, ISO 45001:2018, ISO 14001:2015

Previous clients: Department of Defence, Defence maritime contractors, offshore oil & gas, private maritime sector

MECHANICAL LUBRICANTS

Supply of lubricants, oils, greases, coolants and other fluids for mechanical systems.



Compliance: ISO 9001:2008, BISO 14001:2015, AS/NZS 4801:2001

Previous clients: Department of Defence, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

OIL ANALYSIS

Analysis of mechanical lubricant properties, contaminants and debris.



Compliance: NATA, ISO 9001:2008, ISO 14001:2015, ISO 45001:2018

Previous clients: Department of Defence, Defence maritime contractors, Darwin Port, offshore oil & gas, private maritime sector

OIL WATER SEPARATORS

Supply of specialist oil water separators for engine and waste systems.



Compliance: ISO 9001:2008, ISO 14001:2015, ISO 45001:2018, Dangerous Goods Accreditation

Previous clients: Darwin Port, offshore oil & gas, private maritime sector, Government

PUMPING SYSTEMS

Installation, repairs and maintenance of on-board pumping systems and related hydraulic components.



Compliance: NATA, AS/NZS 4801:2001, ISO 9001:2008, ISO 14001:2004, ISO 55000:2014, AS/NZS ISO 31000:2009, BS OHSAS 18001:2007, ISO 45001:2018

Previous clients: Royal Australian Navy, US Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies

SHAFTS AND PROPELLERS

Machining, repairs and maintenance of shafts and propellers.



Compliance: ISO 9001:2008, BS OHSAS 18001:2007, AS/NZS 4801:2001, ISO 14001:2015, NATA, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy, US Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies

SMALL ENGINE REPAIRS

Repairs and maintenance of outboard engines and motors.



Compliance: ISO 9001:2008, ISO 14001:2007, AS/NZS 4801:2001, BS OHSAS 18001:2007, AS/NZS ISO 31000:2009

Previous clients: Royal Australian Navy, US Navy, Defence maritime contractors, Border Force

THRUSTERS AND STABILISERS

Installation, repairs and maintenance of vessel thrusters and stabilisers.



Compliance: ISO 9001:2008, BS OHSAS 18001:2007, AS/NZS 4801:2001, AS/NZS ISO 31000:2009, ISO 14001:2015, ISO 45001:2018

Previous clients: Royal Australian Navy, US Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas

MOBILE CRANES AND RIGGERS

Provision of mobile cranes including rigging services.



Compliance: ISO 9001:2008, ISO 14001:2015, AS/NZS 4801:2001, ISO 45001:2018

Previous clients: Defence maritime contractors, offshore oil & gas, private maritime sector, onshore mining sector

Heating, Ventilation and Air Conditioning (HVAC)

AIR CONDITIONING CLEANING

Cleaning of air conditioning systems and associated air movement lagging and ducting systems.



Compliance: AS 1668.2:2012, AS/NZS 3666.1:2011, ISO 9001:2008
Previous clients: Department of Defence, Defence maritime contractors, private maritime sector

AIR CONDITIONING SYSTEMS

Installation, repairs and maintenance of commercial air conditioning systems and associated components.



Compliance: DNV, AS/NZS ISO 3100:2009, ISO 9001:2008, NATA, BS OHSAS 18001:2007, ISO 14001:2015, AS 2337.3:2006
Previous clients: Royal Australian Navy, NZ Navy, Defence maritime contractors, Darwin Port, offshore oil & gas

LAGGING AND DUCTING

Installation and repair of ship based air movement lagging and ducting systems.



Compliance: DNV, AS/NZS 4801:2001, ISO 14001:2004, ISO 9001:2008, Lloyd's Register
Previous clients: Department of Defence, Defence maritime contractors, offshore oil & gas, private maritime sector, onshore mining sector

REFRIGERANT GAS SUPPLY

Supply of refrigerant gas for air conditioning systems.



Compliance: ISO 14001:2004, ISO 9001:2008, AS/NZS 4801:2001
Previous clients: Department of Defence, Defence maritime contractors, offshore oil & gas, private maritime sector, onshore mining sector

VENTILATION FANS

Installation, repairs and maintenance of ventilation fan systems.



Compliance: ISO 9001:2008, ISO 45001:2018
Previous clients: Royal Australian Navy, NZ Navy, Defence maritime contractors, Darwin Port, offshore oil & gas, private maritime sector

WATER TEMPERATURE SYSTEMS

Installation, repairs and maintenance of water cooling/heating modules and dispersion systems.



Compliance: ISO 9001:2008, AS 1668.2:2012, AS/NZS 3666.1:2011
Previous clients: Defence maritime contractors, offshore oil & gas, private maritime sector

Electrical

AUDIBLE SYSTEMS

Installation, repairs and maintenance of internal and external vessel based audio speaker systems.



Compliance: BS OHSAS 18001:2007, ISO 9001:2008, ISO 14001:2015, AS/NZS 4801:2001, ISO 45001:2018
Previous clients: Department of Defence, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

BATTERY SYSTEMS

Installation, repairs and maintenance of 12V/24V battery powered systems.



Compliance: ISO 9001:2008, AS/NZS 4801:2001, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018
Previous clients: Department of Defence, Defence maritime contractors, Darwin Port, private maritime sector, onshore mining sector

CABLES AND WIRING

Installation and repair of cabling systems, outlets and associated points.



Compliance: AS/NZS 3080:2013, BS OHSAS 18001:2007, ISO 9001:2008, ISO 14001:2004, AS/CA 5009:2013, AS/NZS 4801:2001, ISO 45001:2018

Previous clients: Royal Australian Navy, NZ Navy, Defence maritime contractors, Darwin Port

DIGITAL INSTRUMENTATION

Installation, repair and maintenance of programmable logic controllers (PLC).



Compliance: NATA, AS/NZS 4801:2001, ISO 9001:2008, BS OHSAS 18001:2007, ISO 14001:2015, Federal Safety Accreditation

Previous clients: Royal Australian Navy, NZ Navy, Defence maritime contractors, offshore oil & gas

ELECTRICAL MOTORS

Installation, repairs and maintenance of electrical motors associated with fans and pumping systems.



Compliance: AS3800:2008, ISO 9001:2008, ISO 45001:2018, BS OHSAS 18001:2007, AS/NZS 4801:2001, ISO 14001:2015

Previous clients: Royal Australian Navy, NZ Navy, Defence maritime contractors, Darwin Port, private maritime sector, oil & gas sector

ELECTRONIC ACCESS SYSTEMS

Installation, repairs and maintenance of security access panels, including code, card and advanced identification systems.



Compliance: AS/NZS 4801:2001, ISO 9001:2008, AS/NZS 3080:2013, SAE AS 3087:2007, AS/CA 5009:2013, ISO 45001:2018, BS OHSAS 18001:2007, ISO 14001:2015

Previous clients: Department of Defence, Border Force, Darwin Port, offshore oil & gas sector

FIRE SYSTEMS

Installation, maintenance and testing of fire systems such as smoke alarms, water spray systems, fire hoses, extinguishers and exit lighting.



Compliance: ABS, DNV, Lloyd's Register, ISO 14001:2004, BS OHSAS 18001:2007, ISO 9001:2008, Federal Safety Accreditation, ISO 45001:2018, AS/NZS 4801:2001

Previous clients: Department of Defence, Defence maritime contractors, Darwin Port, offshore oil & gas, private maritime sector

GENERAL ELECTRICAL REPAIRS

Repairs and maintenance of 240V general electrical goods, appliances and tools.



Compliance: BS OHSAS 18001:2007, ISO 9001:2008, ISO 14001:2004, AS/NZS 4801:2001

Previous clients: Royal Australian Navy, NZ Navy, Defence maritime contractors, Darwin Port, private maritime sector

LAUNDRY SYSTEMS

Installation, repairs and maintenance of commercial laundry equipment, including washing machines and dryers.



Compliance: ISO 9001:2008, ISO 14001:2015

Previous clients: Government, oil and gas sector, onshore mining sector

LIGHTING SYSTEMS

Installation, repairs and maintenance of lighting systems and vessel navigation lamps.



Compliance: NATA, ISO 9001:2008, BS OHSAS 18001:2007, ISO 55000:2014, AS/NZS ISO 31000:2009, ISO 45001:2018, AS/NZS 4801:2001, ISO 14001:2015

Previous clients: Royal Australian Navy, International Navy vessels, Defence maritime contractors, Border Force, Darwin Port, private maritime sector

SWITCH GEAR AND PANELS

Installation, repairs and maintenance of electrical switchboards and panels.



Compliance: NATA, ISO 9001:2008, AS/NZS 4801:2001, ISO 14001:2004, BS OHSAS 18001:2007

Previous clients: Royal Australian Navy, International Navy vessels, Defence maritime contractors, Border Force, Darwin Port, oil & gas and private maritime sectors

TEST AND TAG

Auditing of electrical cables, fittings, appliances, tools and devices.



Compliance: ISO 9001:2015, AS/NZS 4801:2001, ISO 45001:2018, NATA

Previous clients: Royal Australian Navy, International Navy vessels, Defence maritime contractors, Border Force, Darwin Port, private maritime sector

Navigation

AUTOPILOT SYSTEMS

Installation, repairs and maintenance of automated control and steering systems.



Compliance: BS OHSAS 18001:2007, NATA, ISO 55000:2014, AS/NZS ISO 31000:2009, ISO 45001:2018, ISO 9001:2015, ISO 14001:2015, AS/NZS 4801:2001

Previous clients: Royal Australian Navy, US Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

GYROCOMPASS AND WIND INSTRUMENTS

Installation, repairs and maintenance of compass and wind instrumentation to assist in navigation and monitoring.



Compliance: NATA, AS/NZS 4801:2001, ISO 9001:2008, ISO 14001:2004, ISO 55000:2014, AS/NZS ISO 31000:2009, ISO 45001:2018, BS OHSAS 18001:2007

Previous clients: Royal Australian Navy, US Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

RADAR SYSTEMS

Installation, repairs and maintenance of electromagnetic radar mapping systems to assist in detecting and locating objects.



Compliance: NATA, AS/NZS 4801:2001, ISO 9001:2008, ISO 14001:2004, ISO 55000:2014, AS/NZS ISO 31000:2009, ISO 45001:2018, BS OHSAS 18001:2007

Previous clients: Royal Australian Navy, US Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

RADIO COMMUNICATION SYSTEMS

Installation, repairs and maintenance of radio communication systems and associated antenna and transceivers.



Compliance: DNV, ISO 14001:2004, ISO 9001:2008, AS/NZS 4801:2001, BS OHSAS 18001:2007, ISO 45001:2018, AS/CA S009:2013, SAE AS 3087:2007

Previous clients: Royal Australian Navy, NZ Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

SATELLITE NAVIGATION SYSTEMS

Installation, repairs and maintenance of computer operated navigational systems for the use of positioning.



Compliance: DNV, ISO 14001:2004, ISO 9001:2008, AS/NZS 4801:2001, BS OHSAS 18001:2007, ISO 45001:2018, AS/CA S009:2013, SAE AS 3087:2007

Previous clients: US Navy, Defence maritime contractors, Border Force, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

Corrosion Control

ABRASIVE BLASTING AND COATINGS

Removal of existing paint and coatings by sand blasting or other related methods.



Compliance: National Association of Corrosion Engineers (NACE), DNV, Lloyd's Register, AS/NZS 4801:2001, ISO 14001:2004, ISO 9001:2008, BS OHSAS 18001:2007, NATA

Previous clients: Department of Defence, US Navy, Defence maritime contractors, Darwin Port, private maritime sector, onshore mining sector

CATHODIC PROTECTION

Application of sacrificial metals and specialist coatings to protect metallic structures from corrosion.



Compliance: National Association of Corrosion Engineers (NACE), DNV, Lloyd's Register, AS/NZS 4801:2001, ISO 14001:2004, ISO 9001:2008, BS OHSAS 18001:2007, ABS

Previous clients: Department of Defence, US Navy, Defence maritime contractors, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

INDUSTRIAL PAINTING

Commercial painting services by mechanical application or manual methods.



Compliance: National Association of Corrosion Engineers (NACE), DNV, Lloyd's Register, AS/NZS 4801:2001, ISO 14001:2004, ISO 9001:2008, BS OHSAS 18001:2007, NATA

Previous clients: Department of Defence, US Navy, Defence maritime contractors, Darwin Port, shipping companies, private maritime sector, onshore mining sector

Utilities

BREATHING APPARATUS

Supply, testing and maintenance of fire related closed circuit breathing apparatus and commercial diving systems



Compliance: DNV, BS OHSAS 18001:2007, NATA, AS 2337.3:2006, ISO 9001:2015, ISO 14001:2015, AS/NZS 4801:2001, ISO 45001:2018

Previous clients: Royal Australian Navy, Defence maritime contractors, offshore oil & gas, private maritime and onshore mining sectors

CABINET MAKERS

Installation, repairs and maintenance of woodwork and internal timber fittings.



Compliance: ISO 9001:2008, ISO 14001:2004, AS/NZS 4801:2001

Previous clients: Department of Defence, private maritime sector, onshore infrastructure projects

CHEMICAL SUPPLIERS

Supply of commercial chemical treatments, dry/wet chemical supplies and industrial reagents.



Compliance: AS/NZS 4801:2001, ISO 14001:2004, ISO 9001:2008, Dangerous Goods Accreditation

Previous clients: Department of Defence, Defence maritime contractors, offshore oil & gas, shipping companies, private maritime sector

FURNITURE FIT OUT

Supply and installation of office furniture, including desks, tables, benches, etc.



Compliance: ISO 9001:2008, ISO 14001:2004, AS/NZS 4801:2001, ISO 45001:2018

Previous clients: Department of Defence, onshore infrastructure projects, NT Government

HOSPITALITY EQUIPMENT

Supply and fit out of commercial kitchens and installation of associated equipment.



Compliance: Internal Quality Management Systems

Previous clients: Department of Defence, Defence maritime contractors, Border Force

MEDICAL SUPPLIES AND EQUIPMENT

Supply of medical equipment, consumables, materials and sickbay fittings.



Compliance: ISO 9001:2008, Internal Quality Management Systems

Previous clients: Department of Defence, private maritime, onshore mining and oil & gas sectors

NAUTICAL SUPPLIERS

Supply of life jackets, rafts, rations, EPIRB, man overboard systems, ropes and chains, etc.



Compliance: DNV, ISO 14001:2004, DNV, ISO 9001:2008, NATA

Previous clients: Department of Defence, Defence maritime contractors, Darwin Port, offshore oil & gas, private maritime sector

EMERGENCY EVACUATION EQUIPMENT

Supply and installation of emergency evacuation equipment including life rafts, slides etc.



Compliance: DNV, ISO 14001:2004, DNV, ISO 9001:2008, NATA

Previous clients: Department of Defence, Darwin Port, offshore oil & gas, private maritime sector

CHEMIST

Supply of medicines to ships and vessels



Compliance: ISO 9001:2008, Internal Quality Management Systems

Previous clients: Shipping companies, private maritime, onshore mining and oil & gas sectors

TEMPORARY POWER SERVICES

Supply, installation and management of temporary onboard and shore power equipment.



Compliance: AS/NZS ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, BS OHSAS 18001:2007, AS/NZS 4801:2001, AS/NZS ISO 31000:2009

Previous clients: Department of Defence, Defence maritime contractors, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

TEMPORARY AIR SERVICES

Supply, installation and management of temporary commercial air conditioner units.



Compliance: AS/NZS ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, BS OHSAS 18001:2007, AS/NZS 4801:2001

Previous clients: Department of Defence, Defence maritime contractors, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

TEMPORARY SEWAGE SERVICES

Provision of sewage waste services to ships, including the collection and safe disposal of septic water waste.



Compliance: AS/NZS 4801:2001, AS/NZS ISO 14001:2016, AS/NZS ISO 9001:2015

Previous clients: NT Government, onshore mining, oil & gas sector

TEMPORARY LIGHTING SERVICES

Supply and installation of temporary onboard and shore lights.



Compliance: AS/NZS 4801:2001, AS/NZS ISO 14001:2016, AS/NZS ISO 9001:2015, BS OHSAS 18001:2007

Previous clients: Private maritime sector, NT Government, onshore mining and infrastructure projects

Plumbing and Water

COMMERCIAL PLUMBING

Repairs and maintenance of existing ship based plumbing and piping systems.



Compliance: DNV, AS/NZS 4801:2001, ISO 9001:2008, NATA, Lloyd's Register, ISO 14001:2015, BS OHSAS 18001:2007, ISO 45001:2018, AS/NZS ISO 31000:2009, ISO 55000:2014

Previous clients: Royal Australian Navy, US Navy, Defence maritime contractors, Border Force, Darwin Port, private maritime sector

POTABLE WATER SUPPLIERS

Supply of improved drinking water for human consumption and food preparation.



Compliance: BS OHSAS 18001:2007, ISO 14001:2004, ISO 9001:2008, HACCP

Previous clients: Offshore oil & gas, shipping companies, private maritime sector

WATER TREATMENT

Testing and treatment of water systems, including fresh water, waste water and containers.



Compliance: AS/NZS ISO 31000:2009, ISO 9001:2008, ISO 14001:2004, AS/NZS 4801:2001, BS OHSAS 18001:2007, NATA, ISO/IEC 17025

Previous clients: Department of Defence, Darwin Port, onshore mining and oil & gas sectors

Other

NON-DESTRUCTIVE TESTING

Specialist testing to evaluate properties of materials or components for the purpose of asset integrity.



Compliance: ISO/IEC 17025, AS/NZS ISO 14001:2004, ISO 9001:2015, BS OHSAS 18001:2007 DNV, Lloyd's Register, NATA, National Association of Corrosion Engineers (NACE)

Previous clients: Department of Defence, Defence maritime contractors, Darwin Port, offshore oil & gas, shipping companies, private maritime sector

SCAFFOLDING

Supply and erection of safe working platforms using scaffolding equipment.



Compliance: AS/NZS 4801:2001, AS/NZS ISO 14001:2004, ISO 9001:2015, ISO 45001:2018, Federal Safety Accreditation

Previous clients: Department of Defence, Defence maritime contractors, Darwin Port, onshore mining and oil & gas sectors

WASTE MANAGEMENT

Management of solid and liquid waste (hazardous and non-hazardous), including the handling, transport, treatment and appropriate disposal.



Compliance: ISO 9001:2008, AS/NZS 4801:2001, ISO 14001:2004, Federal Safety Accreditation

Previous clients: Department of Defence, Darwin Port, offshore oil & gas, shipping companies, private maritime sector, onshore mining sector

FORENSIC CLEANING

Forensic cleanup of blood, bodily fluids, and other potentially infectious materials (PIMs)



Compliance: Internal QA Systems

Previous clients: Government, onshore infrastructure projects

SURVEY WORK

Conduct marine surveys and inspections, including commercial ship and naval hull surveys.



Compliance: AS/NZS ISO 9001:2016, Australian Maritime Safety Authority (AMSA), Federal Safety Accreditation

Previous clients: Royal Australian Navy, Defence maritime contractors, offshore oil & gas, shipping companies, private maritime sector

VESSEL ANCHORS, CABLES, WINDLASS SURVEY

Conduct integrity testing of vessel equipment, including anchors, chains, cables and windlass



Compliance: ISO/IEC 17025, LEEA Accredited, AS/NZS 4801:2001, AS/NZS ISO 9001:2015, ISO 14001:2015, DNV, NATA, BS OHSAS 18001:2007

Previous clients: Department of Defence, Defence maritime contractors, offshore oil & gas, private maritime sector, onshore mining sector

SECURITY SERVICES

Provision of certified, onboard security services for ship owners



Compliance: AS/NZS 4801:2001, AS/NZS ISO 14001:2004, ISO 9001:2008, BS OHSAS 18001:2007

Previous clients: Department of Defence, Defence maritime contractors, shipping companies, Government

ABOUT THE STUDY

The information compiled in the industry capability mapping and gap analysis study evaluated the resources and skills necessary to compete, obtain and carry out work in the marine service and supply sector in the Northern Territory.

The Industry Capability Network of the Northern Territory (ICN NT) reviewed businesses located within the greater Darwin region and active in the sector, with proven experience working within the Defence, offshore oil and gas, or broader maritime industries. These businesses carry a low risk profile for marine industry work and hold industry recognised accreditations. The information captured was specific to the supply and service of Offshore Patrol Vessels, Armidale Class Patrol Boats and the offshore oil and gas Platform Supply Vessels.

ICN NT engaged with industry experts to ascertain requirements industry must meet to be involved in the sector and any barriers to entry. The industry experts included retired Defence personnel, tier one and two businesses already engaged in the marine service and supply sector, and relevant industry bodies.

The study identified 522 businesses with capacity to service the 81 scopes of work analysed. Of these, 134 had full capability with relevant accreditation and proven experience, while 166 were capable but lacked experience or relevant accreditation. A further 222 were identified as having the capability to provide supplies directly to the marine industry or the businesses serving it. This report summarises the size, scale and experience of the businesses with full capability.

KEY REQUIREMENTS FOR INDUSTRY

The Australian Maritime Safety Authority oversees the National Standard for Commercial Vessels (NSCV). The NSCV details stringent requirements regarding the construction of vessels that industry operators are required to abide by. These include requirements such as watertight and weather tight integrity, construction, fire safety, electrical, stability and navigation equipment. These requirements mention that operators are to be suitably qualified, with relevant standards referenced.

Shipowners and operators use certification bodies such as Det Norske Veritas and Germanischer Lloyd (DNV GL), American Bureau of Shipping (ABS), Bureau Veritas (BV), and others as a way of ensuring an international standard to which their assets must be maintained, thus maximising their efficiency and value.

Holding compliance from these bodies requires ongoing auditing of third party standards and the systems from which they are achieved. These include, but are not limited to, standards such as ISO 9001 (quality management system) and ISO 14001 (environmental management systems). These accreditations ensure the business follows regulatory guidance and undergoes third-party inspections of their performance, business, systems, people, and supply chains through management system certification, verification, assessment, and training.

Working on vessels in the marine industry requires marine occupational health and safety training, ticketing and related insurances. Recognition as an Original Equipment Manufacturers (OEM) certified agent can play a key part in a company's ability to service specific components onboard a vessel.

COMPLIANCE	DESCRIPTION
AS 1668:2016	Ventilation and air conditioning
AS 8000:2003	Corporate governance
AS/CA S009:2013	Installation requirements for cabling
AS/NZS 2865:2009	Confined spaces
AS/NZS 3788:2006	Pressure equipment in-service inspection
AS/NZS 4801:2001	Occupational health and safety
AS/NZS ISO 3100:2009	Risk management
BS OHSAS 18001:2007	Occupational health and safety (international operating companies)
ISO 14001:2004	Environmental management
ISO 3834.2:2008	Fusion welding of metallic materials
ISO 45001:2018	Occupational health and safety
ISO 55000:2014	Asset management systems
ISO 9001:2008	Quality management systems
ISO/IEC 17025	Testing and calibration laboratories
American Bureau of Shipping (ABS)	Classification services for standards assessing design, construction and operational maintenance of marine-related facilities
Bureau Veritas (BV)	Testing, inspection and certification services
Det Norske Veritas (DNV)	International accredited registration and classification society
International Safety Management Code (ISM)	Safe operation of ships and for pollution prevention
Lloyd's Register	Classification, compliance and consultancy services to the marine industry
National Association of Corrosion Engineers (NACE)	Classification, compliance and consultancy services to the marine industry
Internal QA Systems	Internal Quality Assurance Systems

FURTHER INFORMATION REQUIRED?

ICN NT

Contact ICN NT for assistance identifying capable Northern Territory businesses that meet your specific project requirements.

101/12 Salonika Street, Parap NT 0820

(08) 8922 9422 | icnnt.org.au | admin@icnnt.org.au



Northern Territory Government

The Department of Industry, Tourism and Trade was established in September 2020 as the Northern Territory Public Sector's coordinating agency for economic and industry development.

The department's vision is to support achievement of a \$40 billion economy by 2030, by balancing robust and efficient regulation, and sustainable and competitive industry growth strategies.

The department supports industry development through globally competitive strategy, policy and promotion and delivers a regulatory framework that enables responsible growth, market access and stakeholder certainty. The department also fosters capability and capacity of business to be profitable, resilient and sustainable, advances research and innovation to bridge knowledge gaps, identifies opportunities and brokers solutions, harnesses opportunities to attract visitors, trade and commerce and promotes the value and strengths of the Territory, its people and regions.

The Department of Industry, Tourism and Trade is working to deliver upon the recommendations of the Territory Economic Reconstruction Commission, to support a strong economy that fosters a safe and healthy environment for all Territorians.

Contact with the Department can be made via the Civil and Defence team.

(08) 8999 7520 | defencent@nt.gov.au





business.nt.gov.au

© Northern Territory Government 2021

Published by the Department of Industry, Tourism and Trade

This work is available for your use under a Creative Commons CC BY 4.0 International Licence, with the exception of the Northern Territory Government logo and images. Creative Commons Attribution 4.0 International Licence is a standard form licence agreement that allows you to copy, communicate and adapt this work provided that you are attribute the work to the Northern Territory Government (Department of Industry, Tourism and Trade) and abide by the other licence terms <http://creativecommons.org/licences/by/4.0/>