



**PCM Group**  
Industrial Maintenance Services

## Capability Statement - 2017

# YOUR PROJECT - OUR SOLUTION

### PROVIDING

Complete asset protection | Abrasive blasting

Coating programs | Hydro jetting and UHP

water blasting | NACE Certified Inspectors

Project Management – from concept to

completion | IRATA Access | Confined Spaces

Cleaning Programs | TBOSET certified

workforce | Integrated Management System

Quality, Health, Safety and Environmental



M: 0499 770 175 | E: [aaron@pcmgrouppnt.com](mailto:aaron@pcmgrouppnt.com) | W: [www.pcmgrouppnt.com](http://www.pcmgrouppnt.com)



**PCM Group**  
Industrial Maintenance Services



Document Owner:	Business Development Manager		
Prepared By:	C Hope		
Revision By:	J Pearson		
Revision:	1.7		
Approved By:	Title	Initial	Date
	General Manager	JP	21 <sup>st</sup> March 2017

## Contents

1	EXECUTIVE SUMMARY .....	4
1.1	Introduction .....	4
1.2	Our Team.....	4
1.2.1	Vision, Mission and Values .....	4
1.2.2	Accreditation (NACE/ISO 9001:2008/CAL) .....	5
1.2.3	Insurance .....	6
2	SERVICE DELIVERY .....	7
2.1	Overview .....	7
2.2	Products and Services.....	7
2.2.1	Protective Coating Systems .....	7
2.2.2	Polyurea Coating Systems .....	7
2.2.3	Abrasive Blasting.....	8
2.2.4	High Pressure Water Blasting.....	8
2.2.5	Hydro Concrete Demolition.....	9
2.2.6	Vacuum Loading Services .....	10
2.2.7	Scaffolding and Encapsulation .....	10
2.2.8	Vacuum Potholing and Trenching .....	11
2.2.9	Fabrication Services.....	11
2.3	Facilities & Equipment.....	11
2.4	Core Competencies .....	11
2.4.1	Offshore Oil & Gas (BOSIET) .....	12
2.5	Health, Safety & Environmental Sustainability .....	12
2.5.1	Health & Safety.....	12
2.5.2	Environmental Sustainability.....	12
2.6	Differentiators .....	13
3	PRICING SCHEDULE.....	13
3.1	Labour Day Rates.....	13
3.2	Hydro Blasting – Industrial Cleaning Package .....	13
3.3	Equipment Schedules .....	14
3.4	Equipment Day Rates.....	14

## **1 EXECUTIVE SUMMARY**

### **1.1 Introduction**

PCM Group is an Australian owned and operated company based in Darwin, Northern Territory and Perth, Western Australia delivering safe industrial blasting and protective coating solutions to Australian industries.

PCM Group delivers complex projects throughout Australia by combining the latest industrial blasting and coating technologies with a highly trained, multi-disciplined workforce providing cost effective solutions to customers looking at maximising the life cycle of their assets.

Our workforce delivers an extensive range of industrial services, mitigating potential project risks by minimising and controlling the number of sub-contractors required on site to deliver blasting and coating programs.

This workforce is driven by customer requirements and an understanding of the quality, safety and environmental standards needed to continually deliver projects that meet and exceed expectations within budget.

### **1.2 Our Team**

Our dedicated team is made up of industry accredited professionals that have significant experience in safely delivering industrial blasting and coating programs around Australia.

Based out of Darwin, Northern Territory and Perth, Western Australia PCM Group provides a flexible work force that can be deployed around Australia and to offshore locations meeting a broad range of industry sectors. Over the years we have built a reputation on being able to mobilise and demobilise our workforce and equipment quickly, cost efficiently and effectively to meet even the most remote operations around Australia.

Our years of experience of operating from regional well-resourced centres through to remote work sites has ensured that our employees, equipment and plant, processes, procedures and management systems have developed to provide a level of self-sufficiency and reliability needed to enable our customers to continue with production operations whilst extending asset and infrastructure lifecycle.

PCM Group currently have skilled labourers located around Australia to ensure that local projects can be delivered within cost schedules reducing travel and accommodation expenses, allowing project budgets to be spent on maximising the refurbishment of assets and not administrative incidentals.

#### **1.2.1 Vision, Mission and Values**

Our Vision is to enable our customers to continually deliver their operations safely and efficiently, by maximising asset life of supporting infrastructure critical to businesses delivering services, products and operations.

PCM Group has developed a number of core company values that underpin our service delivery throughout our refurbishment programs. These Values set us apart from the competition ensuring that we continually look towards process and product improvements to deliver safe and compliant services. Our determination to be a market leader in our area of expertise means we are accountable for our actions and honest in our words, works and projects.

## Company Values

**Health & Safety** – PCM Group believes in Zero Harm. We ensure that our safety management systems or those of our sub-contractors are effective to ensure that our employees, our client's employees and the community can return home to their families each night.

At PCM Group, we ensure the safety of our people, your people and the protection of the environment is at the forefront of everything we do. Our goal in industry is to provide quality services that contribute zero harm in the health and safety of others and towards the environment.

**Innovation** - We understand that in order for our customers to continue operations, we need to be at the forefront of technology and innovative solutions across our projects. PCM Group continually delivers complex projects for our customers safely whilst minimising our impact on your business.

**Determination** - We do what we say. PCM Group is responsive to customer needs and is committed to excellence in delivering our promises.

**Accountability** – Acknowledging and assuming responsibility in our works and for our actions. When your project finishes, our support continues.

**Integrity** - Honesty, consistency and accuracy in our words, works and actions.

### 1.2.2 Accreditation (NACE/ISO 9001:2015/CAL)

PCM Group is a Quad ISO Certified Organisation, consisting of an Integrated Business Management System certified to:

- ISO 9001 2015 Quality Management Systems
- ISO 14001 2015 Environmental Management Systems
- OHSAS 18001 2007 Occupational Health & Safety Management Systems (International Standard)
- AS/NZS Occupational Health & Safety Management Systems (Australian and New Zealand Standard)

This International Certification is currently certified with Quality Control Services (Environmental) (QCSE) who are JAZANZ Accredited, and globally recognized as a leader across all industries globally.

The Integrated Business Management System applies a Plan, Do, Check, Act business model which incorporates *Risk Based Thinking*, and a *Process Based Approach* into all our services, products and processes.

Some of the key processes within the Integrated Business Management are, but not excluded to:

- A fully established Audit Schedule which addresses key risks and opportunities for improvement in our processes

- A clearly defined Objectives and Measurable Targets Business Plan, covering Quality, Health & Safety, Environmental Protection & Sustainability and Business Continuity Planning
- Documented corporate polices setting a framework for our Objectives & Targets
- Established Monthly Management Review Schedule, consisting of Objectives & Targets, Audit Results, Risk Management and Mitigation Strategies, Conformity of Products and Services etc.
- Internal & External Training Processes, covering all HSEQ areas of our operations
- Site Inspections and Audits
- Interested Party Evaluations and Feedback

PCM Group utilises online cloud based programs for its Integrated Business Management System implementation – Skytrust and TruQC, which enable us to capture real time data and performance for review as part of the companies Continually Improvement Process.

Our Contractor Accreditation Limited (CAL) certification will enable PCM Group to continue service delivery to the Northern Territory Government. Applications are currently being drafted and will allow service delivery and confidence of competency of individual building and industrial categories.

PCM Group will also hold certification for quality coating applications through the Painting Contractors Certification Program (PCCP), further demonstrating our commitment to be industry leaders.

Our commitment to understanding and further controlling corrosion issues within industry extends to membership of a number of guiding organisations such as Australiasian Corrosion Association (ACA) and NACE International Coating Inspector Program (CIP).

All procedures and processes which form the Integrated Business Management System are available for review by interested parties upon request.



### 1.2.3 Insurance

PCM Group maintains insurance policies to cover all employees, principals, plant, equipment and services delivered throughout our operating sectors.

All insurance policies are regularly reviewed to ensure that they comply and provide adequate coverage for all projects undertaken within our operating environment.

Current insurance policies include:

- |                                 |                               |
|---------------------------------|-------------------------------|
| • Worker Compensation           | QBE Policy AD1954734GWC       |
| • Public Liability \$20 million | Brooklyn Policy MLI-201403075 |
| • Plant & Equipment             | UAA Policy 15TI022405ISP      |

## **2 SERVICE DELIVERY**

### **2.1 Overview**

Coating solutions play an integral role in extending and prolonging the life of industrial structures and assets. Ensuring that surface preparation and the application of coatings are conducted in accordance with industry and client approved specifications is critical in ensuring that new coatings or repairs and refurbishment to older installations will meet the rigours of harsh working environments.

At PCM Group, our team of certified coating inspectors can ensure that your assets are protected. By providing close customer consultation and an understanding of the project requirements, we can formulate blasting and coating programs to fit in with your production and maintenance schedules.

Our extensive experience in providing full encapsulation techniques ensures that our projects are delivered safely meeting all local and regulatory environmental conditions.

### **2.2 Products and Services**

PCM Group specialises in the application of protective coatings associated with oil & gas, mining, rail and marine, power generation, industrial tank (water & petro chemical), bridges, towers and spans, pipelines, wharves and jetties.

Providing turnkey operations where services required carrying out refurbishment programs can be delivered from the one contractor is what sets us apart from the competition.

Our diverse workforce delivers a range of highly specialised services including;

- Protective Coatings Systems
- Ultra-High Pressure Water Blasting
- Vacuum Loading Services
- Potholing & Trenching
- Polyurea Coating Systems
- Concrete Remediation
- Abrasive Blasting
- Scaffolding and Encapsulation
- Welding and Fabrication
- Rope Access Solutions
- Hydro Concrete Demolition
- Pile wrapping / Wharf Refurbishments

#### **2.2.1 Protective Coating Systems**

PCM Group is an approved applicator and inspector of a wide range of industrial protective coatings in use throughout Australia. Over the years we have been engaged to assist clients in developing painting specifications to meet their budgets and applications due to our extensive product and application knowledge.

Our close relationships with a number of product suppliers including Dulux, PPG, International, Wattyl, Jotun and Hempel ensure that we have access to the latest products, information and data sheets, application methods and competitive pricing. This allows us to develop conforming specifications for customer approvals and delivery of coating programs ensuring full warranty compliance.

#### **2.2.2 Polyurea Coating Systems**

Polyurea Coatings Systems provide state of the art protection against a wide range of liquid wastes including chemical resistance providing high build characteristics. Polyurea linings

offer excellent adhesion, flexibility that provides resistance to tearing, punctures and breakdown offering suitable options for primary and secondary containment requirements.

Additional benefits of using polyurethane coatings include increased asset life expectancy, high impact resistance, fast application, excellent adhesion characteristics, and unlimited build in one application. Polyurea linings provide suitable substrate protection in particularly aggressive environments including chemical and corrosive presence.

The application of Polyurea linings requires specialist surface preparation and application methods to ensure maximum adhesion. PCM Group have been delivering quality Polyurea coating programs across a wide range of applications including tanks (potable and non-potable), reservoirs, bunding, sewerage and water treatment plants, sewer access chambers, manholes and pipelines.

### **2.2.3 Abrasive Blasting**

Choosing the right abrasive blast material is critical in providing quality and conforming substrate profiles that meet Australian Standards. There is a wide range of abrasive media that can be used for blasting operations within the industrial environment and understanding the benefits, limitations and restrictions of each plays an important role in delivering a cost, labour and environmental efficient blasting program.

PCM Group has experience in the use of a variety of blast media including garnet, steel grit, steel shot, coal slag, glass bead, plastic, alumina oxide, cut wire and ceramic. The type of surface, condition of existing protective coating and the desired finish all need to be considered when selecting the most suitable abrasive media. PCM Group understands the benefits of use for each media to achieve best results that conforms also to environmental and regulatory framework.

Garnet is the most widely used form of blast media providing low dust emissions, high productivity, low consumption, superior surface quality and improved health, safety and environmental implications.

PCM Group understands the need to progress with new technology and with the innovation of the vapour blasters which can reduce dust emissions by up to 90%, we see this means of blasting as the future of surface preparation.

Understanding the equipment used to deliver blasting operations provides added efficiencies with production, schedule and cost improvements. PCM Group Blaster/Painters are trained and experienced in the safe operation and maintenance of abrasive blasting equipment where control of pressure, volume and air quality can make significant savings to projects.

We have a wide range of blast equipment in our inventory to cater for different projects allowing cost savings to be passed onto the customer.

### **2.2.4 Ultra-High Pressure Water Blasting**

Hydro blasting operations provide a cost effective, environmentally friendly and efficient means to industrial cleaning by removing dirt, scale or unwanted materials from surfaces and structures, including bridges, wharves, process plants, infrastructure, tanks (internal & external), buildings, pipework (internal & external), marine vessels and any other industrial application.

PCM Group has an extensive range of high pressure blast equipment tailored for every solution. Whether it's removing marine growth from vessels and maritime infrastructure,



slurry from processing plants or cleaning of internals to oil and fuel tanks, PCM Group has the equipment, certification and competence to look after your needs.

Our hydro blasting equipment ranges from 5,000 PSI used to cater for general cleaning, fresh water wash down and degreasing applications to 40,000 PSI which can be used for hydro jetting, paint removal and concrete demolitions works.

PCM Group has developed a full range of mobile equipment that can be transported safely to remote locations including offshore establishments. Specialised transport framework ensures that critical hydro blasting equipment is safely transported and compatible with shipping, offshore and remote area work sites.

PCM Group can tailor a water blasting package to meet any program including self-sufficient access to potable water through specifically designed trucks carrying water tanks for use in remote areas.

Services that we can provide include tank and vessel cleaning, surface preparation, pipe and tube cleaning, sewer and drain cleaning, concrete demolition, cold cutting steelwork, hydro excavation, de-scaling, degreasing, vessel wash down and schedule shut down general cleaning duties.

PCM Group operators are fully trained and compliant with confined spaces, working at heights with a number of operators also possessing Basic Offshore Safety Induction and Emergency Training (BOSIET) qualifications.

Providing mobility, flexibility and self-sufficiency in hydro blasting services, ensures that PCM Group can meet all project requirements without disruption to production operations or schedules in a safe and cost effective manner.

### **2.2.5 Hydro Concrete Demolition**

PCM Group provides specialised hydro demolition services utilising Ultra High Pressure (UHP) water jet with pressures operating at a range of approximately 40,000 psi.

Using hydro demolition methods reduces the risk of damaging immediate surrounding areas, including sound concrete where no damage or deterioration may be present.

Hydro demolition can be conducted in a variety of ways including full hydro demolition, partial hydro demolition and scabbling.

Full hydro demolition is the removal of an entire slab or section of concrete. Hydro demolition increases the speed of concrete removal over traditional removal methods providing an alternative cost effective solution.

Other benefits from employing hydro demolition techniques include reduced dust emissions; reduced noise levels, mitigates potential risks of surrounding surface micro fracturing or cracking to structures and provides a more selective removal of unwanted concrete leaving sound concrete in situ.

PCM Group can also provide scabbling services where only the top layer of concrete may need to be removed. UHP hydro scabbling ensures that once the top layer of concrete is removed, a rough, irregular surface profile is created ensuring a bonding profile is present for the new concrete layer to adhere to. Scabbling provides industry with safe, environmentally friendly and efficient means to remove areas of concrete which may be damaged or to assist in design changes or removal of surface bonded structures such as rail and transfer trolleys.

Partial hydro demolition can be used to remove concrete materials to expose materials that may require replacement, works or repairs due to concrete cancer. Hydro demolition provides

an easy means to expose reinforcement materials, which may be subject to rust and degradation allowing for partial repairs at reduced costs.

## **2.2.6 Vacuum Loading Services**

To complement hydro blasting operations and provide safe, cost effective and efficient industrial cleaning solutions that are passed onto our customers, PCM Group operates the latest technology in vacuum loading equipment. The King Vac 11000 vacuum truck provides safe, fast and efficient removal of a variety of waste mediums both wet and dry. The truck can handle up to 10,000 litres of waste at a single time whilst maintaining continuous suction of approximately 27" HG at 6500 cubic feet per minute. Waste materials can also be extracted from a depth of 200 metres.

PCM Group can provide service packages incorporating ultra-high water pressure blasting to effectively clean large industrial sites and structures ensuring that all waste water and slurry are removed using vacuum loading techniques allowing for a safe and professional finish.

Our vacuum loading operators are fully trained in vacuum operations including environmental sustainability, emergency procedures including spill response and waste handling.

Additional vacuum loading applications include:

- Tanks
- Storm Water
- Pits & Culverts
- Waste Ponds
- Maintenance Shut Downs
- Site Clean Ups
- Emergency Response
- Sumps & Bunds
- Sludge's, Slurries & Solids
- Vessels & Shipping
- Cooling Towers
- Hydro Excavation

## **2.2.7 Scaffolding and Encapsulation**

Delivering safe access to our workforce, the customer and wider community during projects is a priority of ours. Our workforce includes highly qualified scaffolders that are responsible for delivering these safe work platforms and encapsulation systems.

Our workforce delivers innovative solutions to enable access to a range of infrastructure whether it's providing access and containment of wharves, bridges, tanks and vessels or safe work platforms via suspension scaffolding.

Scaffolding plays an integral part of blasting and painting operations allowing risks associated with working at heights to be mitigated and at the same time provided operating efficiencies.

Scaffolding more often than not provides the framework for encapsulation of projects reducing dust and waste material contamination of the environment and immediate surrounding work areas whilst at the same time provides noise buffering and restricting access to work sites. Our innovative encapsulation ideas have been at the forefront of a number of successful projects including full blast and coatings to Australian Navy warships, Darwin's Stokes Hill Wharf refurbishment and Ship Synchro lift and travelator systems.

PCM Group has integrated a certified scaffolding workforce which further reduces project costs whilst improving mobilisation and demobilisation activities. PCM Group maintains in

excess of 300 tonnes of scaffolding on site to enable immediate mobilisation of works as required.

## **2.2.8 Vacuum Potholing and Trenching**

Vacuum excavation is the industry preferred non-destructive digging method widely accepted when conducting operations in the vicinity of sensitive underground utilities.

Hydro excavation allows for the digging of precise potholes and trenches ensuring that fewer materials are being removed from the ground minimising backfilling requirements. This method of excavation reduces environmental impact from using heavy plant and machinery ensuring fewer disturbances from the immediate surrounding areas and less restoration.

PCM Group uses high pressure water to break up the soil surrounding pipelines and other hidden utilities and then remove the slurry debris by vacuum process. This procedure significantly reduces any risks of damaging important underground infrastructure.

## **2.2.9 Fabrication Services**

PCM Group can provide all your fabrication needs that usually complement abrasive blasting, protective coating and refurbishment programs.

Our team of qualified boilermakers and sheet metal tradesman provides extensive industrial experience in stainless steel, mild steel and aluminium fabrication and repair works, providing certified welding and general fabrication services to the industrial sector. PCM Group can also provide fabrication and service repairs to carbon and alloy piping systems.

The team at PCM Group manufacture quality custom stainless steel and aluminium metal work products that range from bollards, balustrading, hand rails, storage boxes, access ladders, walkways, pontoons and jetties. All works are conducted using fully welded marine grade providing excellent corrosion resistance suited to the maritime and industrial sectors.

## **2.3 Facilities & Equipment**

PCM Group owns and operates a wide range of plant and equipment used to conduct blasting and painting programs.

Equipment is available for hire along with trained and experienced operators to assist with any program you may have.

All plant and equipment is maintained to high standards ensuring ongoing reliability under harsh conditions maximising production and minimising down time.

PCM Group operates from a number of storage yards located in the Northern Territory and Western Australia where management operations are located. Our workforce is deployable anywhere around Australia and specialises in remote area operations including offshore oil and gas platforms, mining camps and exploration projects.

PCM Group also operates a number of surveyed workboats to enable operations within the maritime environment such as coating programs around wharves and jetties. These vessels provide unrestricted access to areas that are often difficult to scaffold or ineffective due to large tidal movements that operate in Northern Australia. PCM Group has trained operators to ensure safety and compliance during all programs.

## **2.4 Core Competencies**

Our experienced and certified workforce underpins our success and diversification across industry blasting and coating programs. With access to a range of qualified and experienced tradesman across Australia, PCM Group can meet your blasting and protective coating needs.

Our workforce holds a range of certifications including AUSJET Hydro blasting, NACE certification 1 & 2, advanced scaffolding, senior first aid, construction industry white card, licence to perform high risk works, confined space, safe working at heights, maritime security identification card (MSIC), travel safely by boat (TSBB), coxswain and tropical basic offshore safety induction and emergency training (TBOSIET).

## **2.4.1 Offshore Oil & Gas**

PCM Group has been delivering offshore corrosion inspection and coating programs for a number of oil and gas installations located off the North West Shelf of Australia.

Common failures associated with the offshore oil and gas environment are usually due to the harsh conditions regularly encountered within this industry sector; however poor surface preparation, poor coating application, inadequate ongoing inspection programs and incorrect painting specifications during construction and coating programs all contribute significant ongoing maintenance costs in operating these installations.

PCM Group can provide expert advice to rectify corrosion issues before costly replacement of key infrastructure may be required.

Our NACE qualified inspectors can provide inspection reports and follow up repair programs to ensure ongoing management of assets.

All our offshore staff hold TBOSIET accreditation and are experienced in mobilisation and demobilisation within the offshore environment.

Our equipment is rated to withstand the rigours of operating offshore with limited support capacity. All equipment and plant is secured within modular transport containers specifically designed to meet offshore loading capability including transport by rig tender.

## **2.5 Health, Safety & Environmental Sustainability**

### **2.5.1 Health & Safety**

At PCM Group, we ensure the safety of our people, your people and the protection of the environment is at the forefront of everything we do. Our goal in industry is to provide quality services that contribute zero harm in the health and safety of others and towards the environment.

Our industry safety record over the last 10 years confirms our commitment to zero harm with significantly lower LTI rates than the industry standard.

The company's Safety Management System provides the framework that underpins our objective in continually meeting our target of zero harm. Our safety policy, management plans and willingness to succeed as a team ensure that we identify, control and eliminate where possible, all safety and health risks.

PCM Group Safety Management System has been developed to meet the requirements of industry accepted AS/NZS 4801:2001 and OSHAS 18001 2007 with the latest technology and online management systems providing efficient and compliant control measures.

### **2.5.2 Environmental Sustainability**

PCM Group are committed to reducing emissions and promoting the creation of environmentally sustainable solutions for Australian Industry

We are committed to achieving and demonstrating sound environmental performance by controlling the impacts of our activities and have developed our environmental management system to comply with the requirements of ISO 14001 2015 to support our commitment.



Our projects are managed through safe and effective innovative approaches to reducing our environmental footprint. PCM Group continues to implement, monitor, review and report environmental performance through our developing environmental management systems.

We aim to be industry leaders in this field and are always striving to find new ways of protecting and guarding the environment for the future.

## 2.6 Differentiators

It's our commitment to the customer and determination to exceed as the chosen blasting and coatings applicator that separate us from the competition. Our willingness to engage with the client from conception to completion and understand exactly what each customer wants in terms of quality, cost and ongoing asset protection that makes our business, your business.

Our multi-disciplined workforce can provide complete blasting and coating packages without the need to engage and coordinate additional subcontractors such as scaffolders, boilermakers and vacuum loading operators.

Our strong reputation in providing affordable quality projects safely and our accountability and integrity ensures that we will continually deliver on our promises to maintain customer focus and trust.

At PCM Group we provide a range of services that meet your expectations.

## 3 PRICING SCHEDULE

### 3.1 Labour Day Rates

<b>SCOPE OF WORK:</b>	Labour Rates – Works Variations	
	<b>Classification</b>	<b>Rate AUD/Hour</b>
	Project Superintendent	Available on request
	Inspector	Available on request
	Supervisor – Blaster/Painter	Available on request
	Blaster/Painter	Available on request
	Fabricator/Welder	Available on request
	Trades Assistant	Available on request
	Vacuum & Hydro Blaster Operator	Available on request

### 3.2 Hydro Blasting – Industrial Cleaning Package

PCM Group can tailor hydro-blasting packages to suit individual customer and site needs.

Hydro-blasting packages ensure that an experienced and certified labour workforce is available on site with all the tools, equipment and resources required to safely conduct works without compromising ongoing customer operations.

Our specialist team can be on site to carry out industrial wash downs as part of adhoc maintenance, scheduled shut downs or ongoing preventative maintenance programs.

Packages include all labour, equipment, plant and materials as listed below and provide a self-sufficient mobilised wash down crew.

Pricing available on request. [admin@pcmgrouppnt.com](mailto:admin@pcmgrouppnt.com)

### 3.3 Equipment Schedules

PCM Group can provide a range of industrial equipment for wet or dry hire to meet all your painting, scaffolding and blasting needs.

Our equipment is maintained to original equipment manufacturers (OEM) standards ensuring continuous safe and reliable operation.

All plant and equipment operators are certified, trained and experienced in the operation of machinery, plant and equipment.

The following table outlines the range of equipment owned and operated by PCM Group.

### 3.4 Equipment Day Rates

SCOPE OF WORK:	Plant & Equipment Rates – Works Variations	
	Classification	Rate AUD/Day
	Bulk Blaster Units (3t-6t)	Available on request
	130CFM Compressor Units with After Cooler	Available on request
	400CFM Compressor Units with After Cooler	Available on request
	900 CFM Compressor Units with After Cooler	Available on request
	Airless Spray Pp Protective Coatings	Available on request
	Graco E-XP Reactor Polyurea units	Available on request
	Dust Extractor/Ducting	Available on request
	Vacuum Loading Trailer	Available on request
	Vacuum Truck 10,000ltr	Available on request
	5,000 PSI Water Blaster/Hot wash	Available on request
	40,000 PSI Water Blaster (Hammelman)	Available on request
	Mine Specification Vehicle – 4x4 Utility	Available on request
	Mine Specification Truck – 3 tonne	Available on request
	Mine Specification Truck – 9 tonne	Available on request
	Mine Specification Diesel Welding Units	Available on request
	20-25t Franna Crane	Available on request
	2D Surveyed 10m work barge with 5m Scissor lift	Available on request
	Portable 240v Hand Tools (Grinders/Sanders)	Available on request
	All accommodation, meals, incidentals, materials etc. are all at cost + (Non-Darwin / Perth Locations)	Available on request

PCM Group understands that certain sites may operate under varying awards and agreements such as a Greenfields Agreement and will make all legislative adjustments to meet the specific industrial agreement



## Appendix A PCM Group NT Projects

### Vopak Darwin Terminal – Marine Loading Arm (MLA#1)

In August 2016, PCM Group NT conducted a \$500,000 refurbishment program to Vopak Darwin Terminal's Marine Loading Arm (MLA) located at East Arm Wharf.

Works included the erection of a safe access platform and encapsulation of the 25 metre structure which was completed using a seven landing scaffolding tower and Powerclad.

PCM Group NT conducted a hydro and abrasive blasting program to complete suitable surface preparation to class 2.5 for the application of industrial protective coatings.

The two six (6) week program was delivered without compromise to quality, safety or the environment with a close working relationship developed between PCM Group NT, Darwin's Port Corporation (DPC) and Vopak enabling ongoing shipping operations to continue.

The quality of works for the initial program delivered resulted in a number of variations and additional works being awarded to PCM Group NT. Ongoing works continue on the refurbishment to the bulk liquid bunding (BLB) and pipeline that extends from the wharf area to Vopak's Darwin Terminal.



### Fort Hill Wharf – Darwin Refurbishment

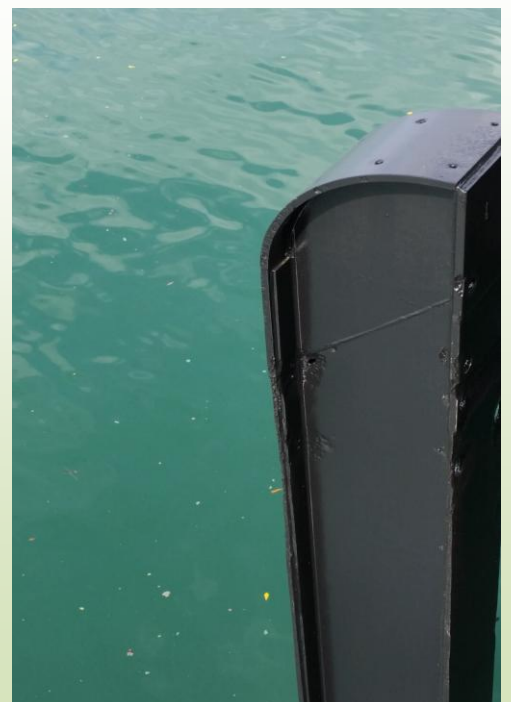
In January 2015, PCM Group NT were awarded a \$1.1 million Contract for the refurbishment works to Darwin's Fort Hill commercial wharf.

Works included the surface preparation of approximately fifty (50) fender piles and twenty three (23) waler beams through abrasive and hydro blasting operations and the application of protective coatings.

The tasking also included a number of repair and fabrication services with the manufacture of three (3) new wale beams and numerous corrosion weld repairs.

The project was conducted over a six (6) month period whilst ensuring that all port operations continued unhindered. No Health & Safety or Environmental incidents were recorded throughout the duration of the project.

Due to the quality of works provided, an additional contract variation of approximately \$400,000 was awarded as extras for further refurbishment works to be completed towards the end of 2015.



## Stokes Hill Wharf – Darwin Refurbishment

PCM Group NT were awarded a \$4.2 million contract to provide a range of industrial services to Advanced Civil Engineering as part of the 2011 Darwin Waterfront project, Stokes Hill Wharf refurbishment program totalling \$21 million.

The refurbishment of the iconic Stokes Hill wharf situated in the heart of Darwin was programmed for completion in May 2013 after 104 weeks work.

PCM Group NT provided services to Advanced Civil Engineering including high pressure hydro blasting, abrasive blasting, advanced scaffolding and encapsulation and protective coating applications to approximately 17,500 square metres of the underside of wharfage.

Project disciplines included:

- The fabrication and installation of 21 fender piles, each pile 32 m long, driven to a depth of 6 m into the seabed
- High pressure blasting and coating of 18000 m<sup>2</sup> of steelwork and piles to the substructure
- Extensive repairs to the structural steel girders and headstocks have been required after high pressure blasting highlighted the extent of the structural decline.

Our certified NACE inspectors provided specialist expertise to Advanced Civil Engineering, highlighting a number of extensive repairs required to structural steel girders and headstocks after high pressure blasting revealed structural degradation of the wharf area.

PCM Group NT completed this activity on budget and within the allocated 30 month schedule with all project objectives met including no lost time injuries during the works period.

