

# CAPABILITY STATEMENT

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Safety is our No. 1 Priority

# IRISGROVE<sup>PTY. LTD.</sup>

IRISGROVE PTY LTD incorporating

Cooling Tower Mechanical Services

Commercial Environmental Monitoring

Heat Exchanger Services Australia





**IRISGROVE PTY LTD**

Incorporates expertise in the following trading entities.

**CTMS**  
**CEM**  
**HESA**

**COOLING TOWER MECHANICAL SERVICES**

Process cooling and mechanical services contractors specializing in installation, repairs, refurbishment and servicing of cooling towers, evaporative condensers and industrial fluid coolers. We also have professional capabilities for thermal testing, pumps and pipework, structural steel platforms and access requirements.

**COMMERCIAL ENVIRONMENTAL MONITORING**

Specialize in taking water and air samples and passing on to a laboratory for analysis. These are typically tested for legionella, standard plate count, coli, ecoli, faecal coli forms etc.

**HEAT EXCHANGER SERVICES AUSTRALIA**

Specialize in the installation, service, refurbishment, design and consultancy of heat exchange equipment. These items are readily associated with a cooling tower and in the process cooling system.



## 2 Years - 50 Staff - 0 LTIs

Callide Power Station

### **SAFETY**

Safety is our highest priority. Fully trained and certified staff ensure a safe working environment. For example on a two year project at Callide Power Station with a staff of up to 50 people we had no LTIs.

### **SPECIALIST CREWS**

- Qualified trades and technical employees

### **FLEXIBILITY**

- Tailored delivery and contracting solutions
- Capacity for fast, and remote response
- Comprehensive off site support

### **PROJECT MANAGEMENT**

- Industrial Relations capability
- Full Inspection and Test Plans and Safety Analysis for each project



### **CAPABILITIES**

CTMS has built a reputation of professionalism, high quality workmanship, productivity and excellence in safety to deliver outstanding results in the following areas.

- Projects and Capital Works
- Installation and Commissioning
- Shutdowns, Outages and turnarounds
- Thermal Performance Testing
- Structural Steel Platforms
- Inspection, Consultation and Reports
- Refurbishment and Servicing

### **EXPERTISE AND EXPERIENCE**

CTMS employees deliver high quality and safe services to the following industry groups.

- Mining and Resources
- Manufacturing
- Power and Utilities
- Government
- HVAC





## PROJECTS

CTMS offers project management, planning support and supervised work crews complete with specialized tooling and logistical support.

Projects are delivered using our comprehensive quality, safety and management systems to manage risk and control deliverables for our clients.

Examples of our projects include:

- **Callide Power Station**
- **Tarong Power Station**
- **WMC Phosphate Hill**
- **Sulphuric Acid Plant, Mt Isa**
- **Gunpowder Copper Mine**
- **Ranger Uranium Mine, Kakadu**
- **Korean Zinc, Townsville**
- **Orica Gladstone**
- **Mt Isa Mines**
- **Caltex Lytton**
- **Mica Creek Power Station**

## MAINTENANCE

CTMS has expertise in technical, process and human resource management which translate to efficiencies in plant performance, reliability and operating costs.

Our Experience includes:

- Design and construction capability
- Welding capability
- Structural fabrication
- Installation of cooling towers, pumps, heat exchangers, pipes
- General maintenance of cooling equipment

## SHUTDOWNS AND OUTAGES

CTMS offers tailored shutdown solutions designed to meet our client's specific needs. Working closely with the client our shutdown crews plan and execute shutdown projects on time, on budget and most importantly safely.



## **SAFETY, RISK MANAGEMENT & ENVIRONMENT**

The occupational health and safety of our people is the number one core value for CTMS. Our employees and their families deserve our commitment and vigilance in providing a safe and healthy workplace and we will continue to strive for zero harm.

Structured employee induction programs and OHS training is designed to ensure each employee has a full awareness and understands all of their safety obligations.

**CTMS is fully accredited to Quality System Standard AS/NZS ISO 9001:2008**

Our goal is for every crew member to adopt a pro-active role that demonstrates commitment to environmental excellence.



## **SUPERIOR CREWS**

Partnering with clients and responding to client needs we are able to plan resources and deliver tailored, professional staff and technically superior crews.

We provide best practice support for our employees.

## **BENEFITS**

- Achieve cost reductions
- Focus on core business
- Change to meet the market
- Continuous process improvement
- Access advanced technology



# Packaged Fibreglass Cooling Towers

## Construction Advantages

### 1. HEAVY DUTY CONSTRUCTION

- » Fully composite structure
- » Stainless Steel fasteners standard throughout the tower

### 2. FRP CASING PANELS

- » Isophthalic based resins & gelcoats
- » Superior corrosion & chemical resistance
- » Multiaxial stitched reinforcements
- » Greater strength and rigidity
- » Flowcoat finish, excellent UV resistance
- » Maintenance free

### 3. FAN DRIVE SYSTEM

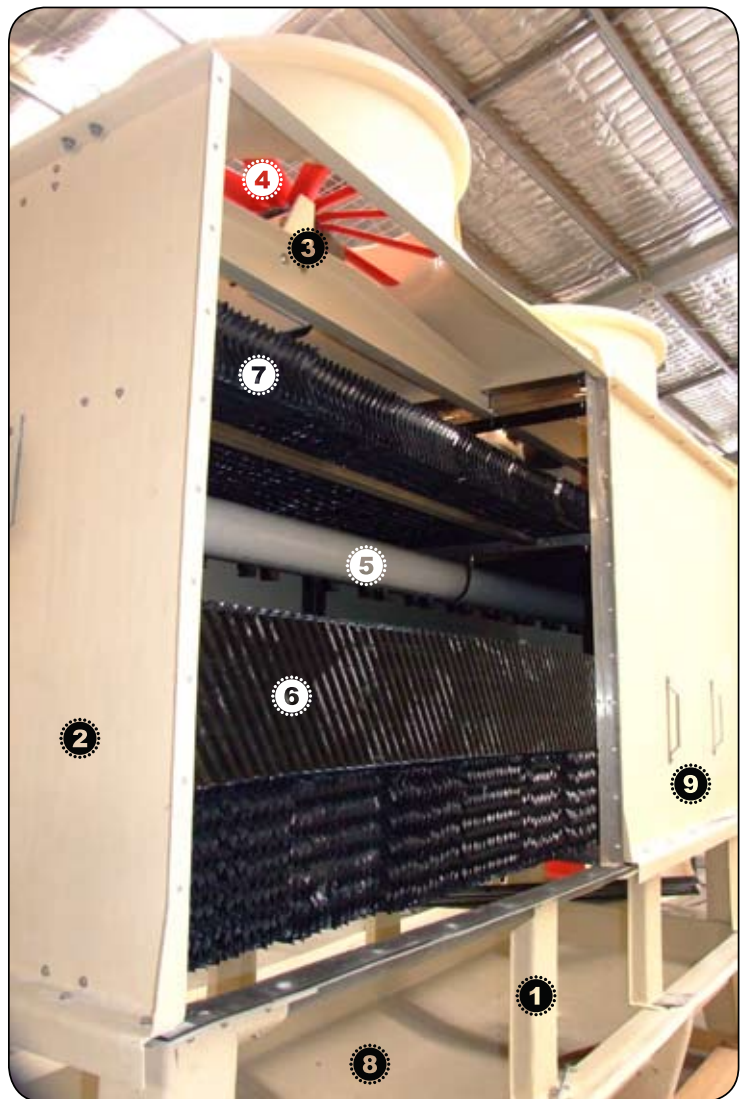
- » Premium quality belts
- » FRP mechanical structure
- » Heavy-duty bearings
- » Adapted fan motor for operation in saturated conditions

### 4. LOW KW AXIAL FAN

- » Quiet operation
- » Corrosion resistant FRP
- » Lightweight

### 5. WATER DISTRIBUTION SYSTEM

- » Low pump head gravity distribution basin
- » Large orifice, non-clog nozzles



### 6. WET DECK SURFACE

- » Plastic material
- » Impervious to rot, decay and biological attack
- » Easily removable

### 7. INLET LOUVRE/ELIMINATOR

- » Corrosion Resistant
- » Easily removable
- » UV resistant plastic material or FRP
- » Fire resistant

### 8. COLD WATER BASIN

- » Sloped cold water basin for easy cleaning
- » Suction strainer with anti-vortex hood
- » Adjustable water make-up assembly from inside the unit

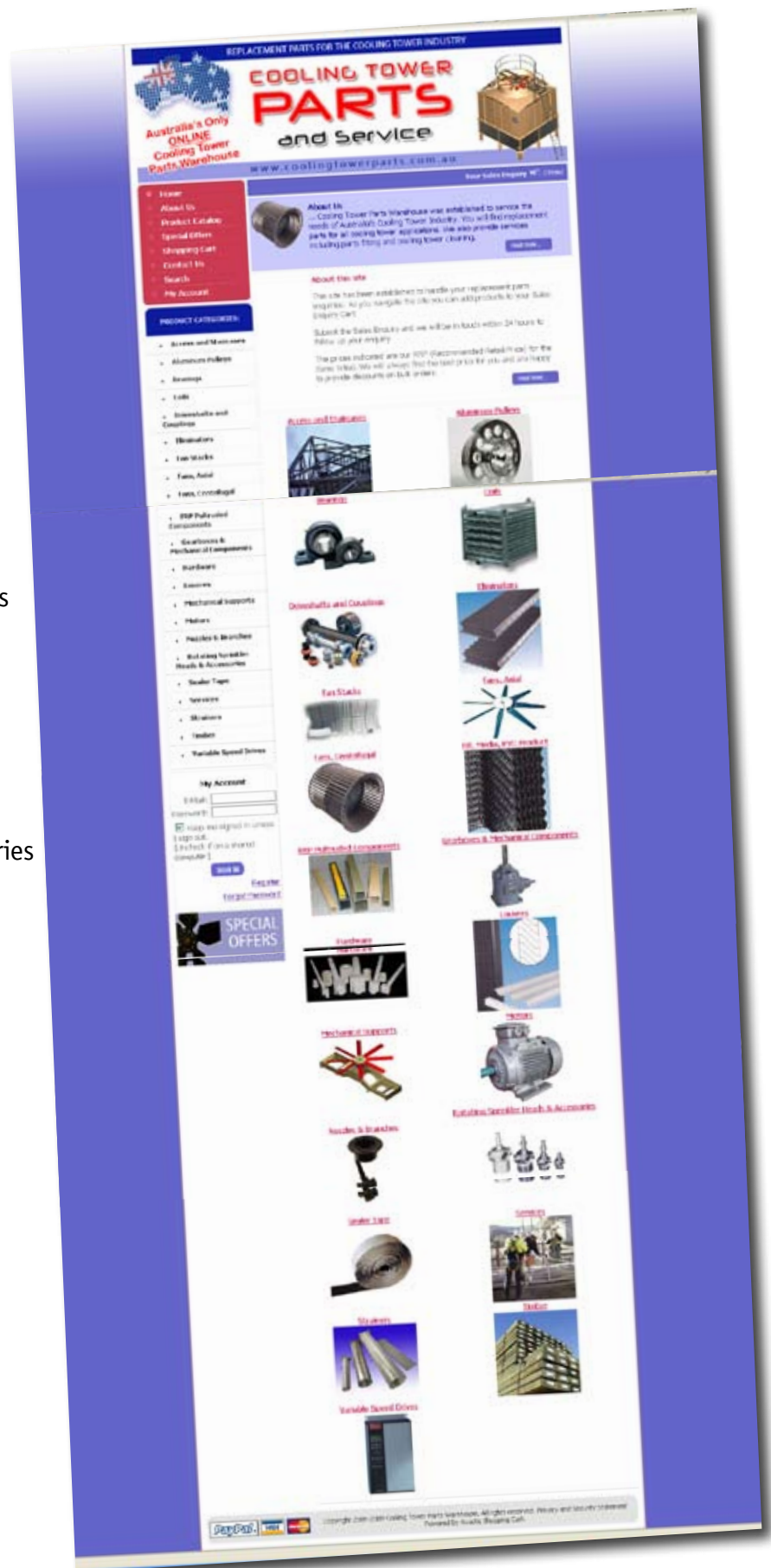
### 9. REMOVABLE ACCESS DOORS

- » One full side removable

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- » Eliminators
- » Fan Stacks
- » Fans, Axial
- » Fans, Centrifugal
- » Fill, Media, PVC Product
- » FRP Pultruded Components
- » Gearboxes & Mechanical Components
- » Hardware
- » Louvres
- » Mechanical Supports
- » Motors
- » Nozzles & Branches
- » Rotating Sprinkler Heads & Accessories
- » Sealer Tape
- » Services
- » Strainers
- » Timber
- » Variable Speed Drives



## CLIENTS

The following is a sample list of clients

Mt Isa Mines  
Incitec Pivot  
Amcor  
Bond University  
Boyne Smelters  
Caltex Refinery  
CS Energy  
Carlton United Beverages  
Castlemaine Perkins  
CSR Limited  
Orica  
Golden Circle  
Goodman Fielder  
Honeywell  
Laminex  
Nestle  
Queensland Government

Queensland Alumina  
Visy  
Xstrata Copper  
BHP  
BP Refinery  
Shedden Uhde  
Shell Company  
Volvo Australia  
Westfield Shopping Centres  
Watpac  
Nuplex Industries  
Norman Disney & Young  
Mauri Yeast  
Australian Hardboards  
Parmalat  
Sugar NSW

## CONTACT US

PO Box 219  
Ormeau Qld 4208  
Unit 6, 36 Blanck Street  
Ormeau Qld 4208

T: 07 55493888  
F: 07 55493800  
W: [www.ctms.net.au](http://www.ctms.net.au)  
E: [enquiries@ctms.net.au](mailto:enquiries@ctms.net.au)

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