



**CENTIGRADE
SERVICES PTY LTD**

REQUEST FOR QUOTE - 01-25

**Removal and Replacement of Air Conditioning Units –
Freebairn Recreation Centre Kulin**



Unit 4, 29 Roundhay Street, Gledhow WA 6330

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www.centigrade.com.au

CENTIGRADE SERVICES PTY LTD

A.B.N. 41 617 574 384

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Acknowledgement of Country

Centigrade respectfully acknowledges the past and present traditional owners of this land that we are working on and the contribution they make to the life of this town and this region.



1. COMPANY INFORMATION

1. COMPANY INFORMATION

Centigrade Services Albany appreciates the opportunity to submit this proposal for the removal and replacement of the existing Temperzone R22 air-conditioning systems at the Freebairn Recreation Centre.

Established more than 50 years ago, Centigrade Services is a trusted Western Australian mechanical and air conditioning contractor, providing design, installation, and maintenance solutions across the State. Our Albany office has operated for over 11 years, and our Geraldton branch for more than 5 years, ensuring regional clients have reliable, local support with full-time staff based in each area.

Our proposal delivers a compliant, energy-efficient replacement solution using Temperzone R32 inverter systems, with the inclusion of two alternative options (ActronAir and Mitsubishi Electric VRF) to provide flexibility in cost, delivery, and system performance.

Company Details

Name : Centigrade Services PTY LTD
ABN : 41 617 574 384
Address: Unit 4, 29 Roundhay Street, Gledhow, WA 6330
Website: www.centigrade.com.au

Authorised Representative – Project Mangers Details

Name: Aaron Voss
Title: Albany Manager
Phone: 08 9841 6055
Mobile: 0428 400 500
Email: voss@centigrade.com.au



Executive Summary

This submission outlines Centigrade Services' comprehensive proposal to remove and replace the existing air-conditioning systems at the Freebairn Recreation Centre in accordance with RFQ 01-25.

We have proposed the installation of Temperzone ISD 351 LYX / OSA 352 RLTFV R32 inverter systems as the preferred solution, offering high efficiency, strong performance, and full compliance with current refrigerant and electrical standards. The design ensures improved reliability, airflow balance, and reduced energy consumption.

Centigrade's proposal represents not only the most technically compliant solution but also exceptional lifecycle value for the Shire.

Our recommended Temperzone R32 systems deliver substantial energy savings compared to legacy R22 equipment, while providing lower refrigerant costs and simplified long-term maintenance.

The inclusion of locally stocked parts, efficient inverter-driven operation, and full compatibility with future refrigerant standards ensures reduced operating costs and maximum reliability over the system's lifespan.

To support the Shire's decision-making flexibility, we have also provided two alternative system options—ActronAir SCA 290 C / SCG 290 E (R410A) and Mitsubishi Electric PUHY-P250YNW-A1-AU / PEFY-P250VMHS-E (VRF)—each evaluated for performance, efficiency, availability, and cost.

Centigrade Services' local team will manage all aspects of supply, installation, and commissioning within a four-week completion timeframe, ensuring minimal disruption to Centre operations and full post-installation support.





2. ITEMISED QUOTATION

Shire of Kulin

QUOTE NO. 108564

Site: Freebairn Recreation Centre
Date: 24/10/2025
Valid For: 30 Day(s)
Salesperson:

Dear Caroline,

Thank you for the opportunity to quote on your requirements.
We have much pleasure in submitting to you our quotation for the following.

Proposal:

Following our recent site inspection, on-site discussions, and as per RFQ 01-25 issued by the Shire of Kulin, we propose to carry out the removal and replacement of the existing Temperzone ISD300 R22 air conditioning systems with new Temperzone ISD 351 LYX / OSA 352 RLTFV R32 systems (approx. 32.7 kW cooling / 31.3 kW heating each).

Scope of Works:

- Isolate and make systems safe, locking out local power supplies.
- Recover and safely dispose of existing R22 refrigerant.
- Remove existing outdoor and indoor units, associated pipework, and supports.
- Supply and install three (3) new Temperzone ISD 351 LYX / OSA 352 RLTFV R32 systems.
- Install new R32-compatible refrigerant pipework and insulation.
- Reconfigure and shorten existing ductwork to ensure BCA compliance (? 6 m flexible duct runs), including approx. 2.4 - 3 m of rigid duct per unit.
- Pressure test new pipework to 1.3 x maximum working pressure.
- Evacuate each system to 500 microns and charge with factory-specified refrigerant.
- Commission and test each system to confirm correct operation and performance.
- Remove all redundant materials and debris from site for disposal at an approved facility.

Inclusions:

- All parts, materials, labour, and consumables.
- All travel, accommodation, and meals.
- Testing, commissioning, and provision of O&M documentation.
- Works performed during normal working hours by licensed refrigeration and electrical technicians.
- 12-month workmanship warranty and 5-year manufacturer's equipment warranty

Exclusions:

- Any work outside the above scope or discovered during installation.
- Modifications or upgrades to the main electrical distribution board or sub-mains.
- Any works or costs associated with asbestos removal.
- After-hours or weekend works (unless otherwise agreed).
- Patching and painting of ceiling
- Craneage

QUOTE NO. 108564

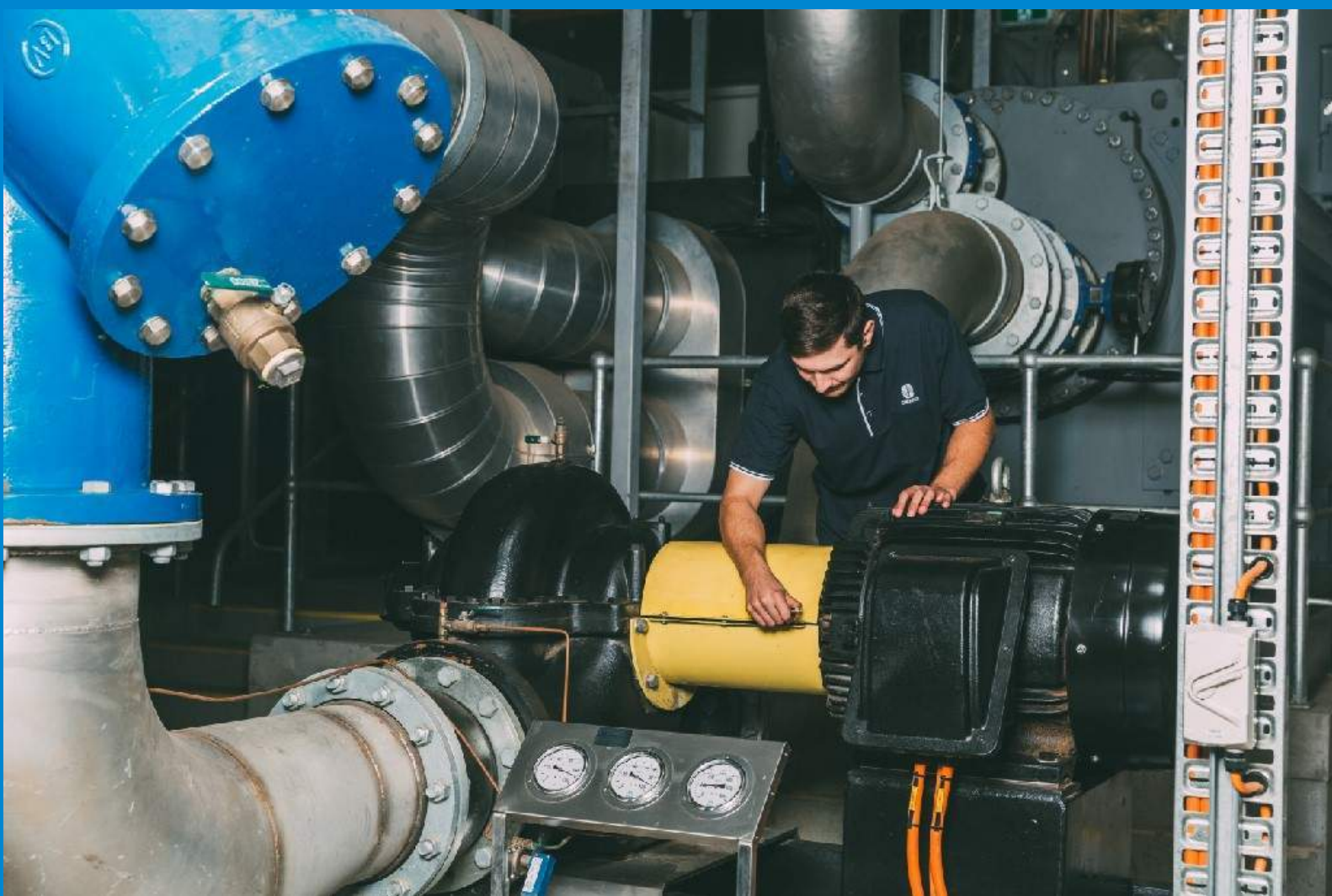
Terms:

- Receipt of official order number or written authorisation before works can proceed.

We trust this meets your approval and look forward to hearing from you soon.

| Item | Quantity | Unit Price | Total |
|--|----------|-------------|-------------|
| Temperzone 35 kW Units plus freight (x3) | 1.00 | \$37,125.00 | \$37,125.00 |
| Hanging Hardware and equipment | 3.00 | \$750.00 | \$2,250.00 |
| Ductwork alterations/Transitions | 1.00 | \$9,625.00 | \$9,625.00 |
| Electrical Works - 3 x mains runs Cable containment (tray) 3 x Isolators Sundries | 1.00 | \$7,425.00 | \$7,425.00 |
| Airside commissioning of equipment | 3.00 | \$665.00 | \$1,995.00 |
| Reclaim Unit per use (includes bottle) | 3.00 | \$145.00 | \$435.00 |
| Vac Pump (per use) | 3.00 | \$87.00 | \$261.00 |
| Nitrogen (Per use) | 3.00 | \$90.00 | \$270.00 |
| oxy-acetylene kit (per use) | 3.00 | \$94.25 | \$282.75 |
| Geniehoist (per use) | 3.00 | \$174.00 | \$522.00 |
| Accommodation Expense | 20.00 | \$362.50 | \$7,250.00 |
| STANDARD DECOMMISSION AND REMOVE OLD UNIT | 3.00 | \$250.00 | \$750.00 |
| FIXINGS | 3.00 | \$30.00 | \$90.00 |
| DRAINS PARTS | 3.00 | \$20.00 | \$60.00 |
| FEET | 3.00 | \$20.00 | \$60.00 |
| INTERCONNECT PER METER | 65.00 | \$5.00 | \$325.00 |
| Service Tech Labour | | | \$5,000.00 |
| Installation Labour | | | \$6,400.00 |
| Trade Assistant Labour | | | \$5,200.00 |

Sub-Total ex GST \$85,325.75
GST \$8,532.58
Total inc GST \$93,858.33



3. PROPOSED EQUIPMENT STATEMENT – MAKE AND MODEL

Base Proposal – Temperzone ISD 351 LYX / OSA 352 RLTFV (R32)

Centigrade proposes the Temperzone R32 inverter ducted systems as the most suitable replacement for the existing units. These models provide an efficient, environmentally responsible solution with proven reliability in similar recreational environments.

- **Cooling Capacity:** 32.7 kW | **Heating Capacity:** 31.3 kW
- **Indoor Airflow:** 1750 L/s (950 – 1900 L/s) – comparable to existing 1800 L/s.
- **Refrigerant:** R32 (GWP 675).
- **Compressor:** Inverter scroll – variable capacity operation for optimal part-load efficiency.
- **Fan Motor:** EC soft-start for reduced noise and improved efficiency.
- **Controller:** TZT-100 wall controller per unit.
- **Compliance:** MEPS 2022 / AS NZS 3823 / BCA Vol 1 J5.3.

Scope Summary

- Make system safe, isolate and remove redundant R22 units.
- Supply and install three new Temperzone R32 inverter systems.
- Replace all refrigerant pipework and insulation to ensure R32 compatibility.
- Modify ductwork to ensure ≤ 6 m flexible runs and improve airflow distribution.
- Pressure test, evacuate, charge, and commission new systems.
- Remove debris and dispose of all redundant materials via licensed recycling centre.

Centigrade Services offers the Shire of Kulin proven regional capability with direct local response from our Albany office.

Our team's proximity allows rapid support, minimal downtime, and continuity of service without reliance on Perth-based subcontractors.

Combined with transparent costing and flexible system options, this ensures the Shire achieves the best value for money through local accountability, efficient delivery, and ongoing post-installation support.



Why Centigrade Services?

Centigrade Services is the trusted local mechanical contractor for the Great Southern region. Our Albany team is on the road through Kulin and surrounding districts **on a monthly basis**, ensuring responsive support and a strong understanding of local facility needs.

We combine **certified technical expertise** with **regional accessibility**, providing the Shire with a partner who can respond quickly to both planned maintenance and unforeseen issues. Beyond this RFQ, our technicians can also assist with other HVAC, refrigeration, or control-system matters as they arise, giving the Shire a single reliable point of contact.

Key Advantages:

- Local Albany office with monthly presence in the Kulin region.
- Proven track record across government and community facilities.
- ISO-certified Quality, Safety and Environmental systems.
- Direct support from qualified refrigeration, electrical and mechanical specialists.
- Transparent costing and flexible delivery options to suit budget and timing.





4. *TIMELINE*

4. TIMELINE

Centigrade Services will complete the works within approximately four to eight weeks of award, subject to equipment delivery lead times. Temperzone units are due into stock in late November (approximately 6–8 weeks ex East Coast). Installation scheduling will be coordinated to minimise disruption to Centre operations.

| Stage | Description | Duration |
|-------------------------------|--|-------------------|
| 1 | Factory dispatch and freight | 2 – 4 weeks |
| 2 | Delivery to Albany & pre-assembly | 1 week |
| 3 | Site mobilisation & crantage | 1 day |
| 4 | Removal of existing units & duct rectification | 2 days |
| 5 | Installation, wiring & commissioning | 3 days |
| 6 | Final testing, balancing & handover | 1 day |
| Total On-Site Duration | | ≈ 5–6 days |





5. RELEVANT LICENCES, CERTIFICATIONS AND INSURANCE DETAILS

Quality and Safety

Centigrade Services are third party certified for Quality Management Systems, Occupational Health and Safety Systems and Environmental Management Systems.

ISO 9001 2015, ISO 45001 2018 and ISO 14001 2015 respectively.

A copy of our certificate follows this page.

Because of this we have we conduct monthly toolbox meetings and our technicians carry out take 5's before every job.

When a task is more involved or the site requires it we will generate a SWMS, an example of one of our SWMS can be provided to your OHS team for scrutiny upon award.

One of the Quality criteria items for a Air Conditioning company is that the company holds an Arctick licence, I have attached a copy of our licence in this section of the document, all of our technicians hold their own Arctick licences and their Electrical Licences. All of their certification can be provided upon award of the contract.

REFRIGERANT TRADING AUTHORISATION CERTIFICATE

This is to certify that the Australian Refrigeration Council Ltd,
acting as a relevant authority under Regulation 140 of the
Ozone Protection and Synthetic Greenhouse Gas Management Regulations 1995,
has granted a refrigerant trading authorisation to:

Centigrade Services Pty Ltd

ABN: 41617574384

All refrigerant trading authorisations are subject to the conditions in Regulation 141.

Authorisation No: AU44563

Expiry Date: 2/11/2025



Australian Government
Department of Agriculture,
Water and the Environment



CERTIFICATE OF REGISTRATION

Centigrade Group Pty Ltd

7 Macadam Place, Balcatta, WA 6021, Australia

Has been assessed and certified by Compass Assurance Services to the following management systems, standards and guidelines:

ISO 9001:2015

QUALITY MANAGEMENT SYSTEMS

ISO 45001:2018

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEMS

ISO 14001:2015

ENVIRONMENTAL MANAGEMENT SYSTEMS

The scope of the certification covers the following activities:

Mechanical Services performing Design and Installation of Commercial Air Conditioning and Ventilation Systems, including Project Management, Industrial, Laboratory and Medical Gases, Commissioning, Service and Maintenance.



Managing Director



CERTIFICATION DATE:

1 August 1995

DATE OF ISSUE:

24 August 2022

EXPIRY DATE:

2 July 2025

CERTIFICATE #:

4043-2884-02

Certificate of Currency

Date of Issue: 18 September 2025

Policy Number: AMCA 010033 LIA

Insured: Centigrade Services Pty Ltd

Interested Party: -
Subject at all times to the terms, conditions, definitions and exclusions of the policy.

Business Description: Air Conditioning and Mechanical Contractors and Associated Activities

Period of Insurance: 30 September 2025 To 4:00pm 30 September 2026

Limits of Liability:

| | | |
|---------------------------|--------------|--------------------------|
| Public Liability | \$50,000,000 | any one Occurrence |
| Products Liability | \$50,000,000 | limited in the aggregate |

Insurer: Pacific Underwriting Corporation Pty Ltd for and on behalf of
Chubb Insurance Australia Limited under binding authority.

Territorial Limits: Worldwide excluding North America

Stamped & Dated: 18 September 2025



Pacific Underwriting Corporation Pty Ltd is acting under the authority of the Insurers and will be effecting this contract of insurance as agent of the Insurer and not the Insured. ABN 77 091 225 535 AFSL Licence No: 237270

Please Note: Whilst an expiry date has been indicated, it should be known this policy can be cancelled at any time in the future. Accordingly reliance should not be placed on the expiry date

Certificate of Currency

Attention: Jana Day

Company: Windsor Management Insurance Brokers

You are hereby held covered subject to the Company's standard policies in respect of the risks and amounts specified below and for the period stated.

Period: 4pm 30/09/2025 to 4pm on the 30/09/2026

Policy Type: Global Transport Driveline Commercial Fleet Policy

Insured: Centigrade Group Pty Ltd
Cedarwood Holdings Pty Ltd
Centigrade Mechanical Contracting Pty Ltd T/As
Centigrade & Centigrade Commissioning Pty Ltd
Centigrade Services Pty Ltd
Centigrade Medical Gasses Pty Ltd

Policy Number: CPG20232832-3

Interested Party: NAB in regards to the following registrations
1HPN037, 1IMJ510 & 1IMJ662

Covering: As per brokers schedule

Sum(s) Insured: **Section 1 - Commercial Motor**
Part A – Loss or Damage
Market Value or Sum Insured whichever is the lesser.

Part B – Liability to Third Parties
\$35,000,000 including Supplementary Bodily Injury
(Excluding vehicles registered in the Northern Territory)
But limited to \$2,500,000 for Dangerous Goods unless
otherwise specified.

Signed: Scott Beales – Underwriter

Underwritten by Allianz Australia Insurance Limited (ABN 15 000 122 850 AFS Licence No 234708)

Certificate of Currency issued subject to payment of premium.

CERTIFICATE OF CURRENCY



Insurance Australia Limited ABN 11 000 016 722 AFSL 227681
trading as WFI (WFI)

1. STATEMENT OF COVERAGE

The following insurance policy covers the employer's liability under the *Workers' Compensation and Injury Management Act 1981* (WA).

This certificate is valid from:

30/09/2025

30/09/2026

The information provided in this certificate is correct at:

16/09/2025

2. EMPLOYER'S INFORMATION

Policy Number

09 EML 2106390

WorkCover Number

WC10884645

Legal Name

Centigrade Services Pty Ltd

ABN

41 617 574 384

Premium (Industry) Classification

32330 Air Conditioning and Heating - Limit of Liability \$50,000,000

3. IMPORTANT INFORMATION

This policy commences and finishes at 4.00pm on the dates specified above.

See attached for additional information on endorsements or other conditions applying to this policy.

Brett Johnston

Authorised Officer

WFI

46 Colin Street

WEST PERTH WA 6005

Ph: 1300 934 934 Fax: 1300 797 544

Employers are required to ensure a valid certificate of currency is available for inspection at their principal office or place of business.



6. COMPANY EXPERIENCE IN SIMILAR WORKS

6. COMPANY EXPERIENCE IN SIMILAR WORKS

Centigrade Services is a trusted Western Australian provider of comprehensive mechanical, air conditioning, and refrigeration solutions, specialising in the Healthcare, Institutional, and Commercial sectors. With more than 50 years of continuous operation, Centigrade has built long-term Service and Maintenance partnerships with clients across critical infrastructure, delivering dependable, high-quality outcomes through both planned and reactive support.

Our capability extends across a wide range of technical disciplines, including:

- **Refrigeration and Air Conditioning Maintenance and Repairs:** Comprehensive servicing to ensure reliability, energy efficiency, and full compliance with Australian Standards and regulatory requirements.
- **Central Plant Maintenance and Repairs:** Skilled management of complex mechanical systems including chillers, boilers, and associated equipment, with a strong focus on reliability and energy optimisation.
- **Theatre, Isolation Room, Cleanroom, and Fume Cupboard Testing:** Specialist testing and certification to maintain critical environmental conditions in healthcare and laboratory facilities.
- **Building Management Systems (BMS):** Operation, integration, and fault identification across major BMS platforms to optimise system performance and reduce downtime.

Centigrade's strong reputation for reliability is founded on our ability to support assets from installation through to lifecycle maintenance. Many of our current long-term maintenance agreements originated from successful project installations delivered by our Contracts division, reflecting the confidence clients place in our quality, technical skill, and professionalism.

Our Albany and Geraldton offices enable direct, local response and ongoing support to regional clients, ensuring prompt attendance and effective communication. All works are delivered under a fully integrated management system aligned with ISO 9001 (Quality), ISO 14001 (Environment), and ISO 45001 (Safety).

Recent Project Experience

Centigrade Services has successfully completed numerous comparable projects for government and healthcare clients throughout Western Australia. The following table provides a summary of recent works that demonstrate our capability, performance consistency, and experience working in live operational environments:

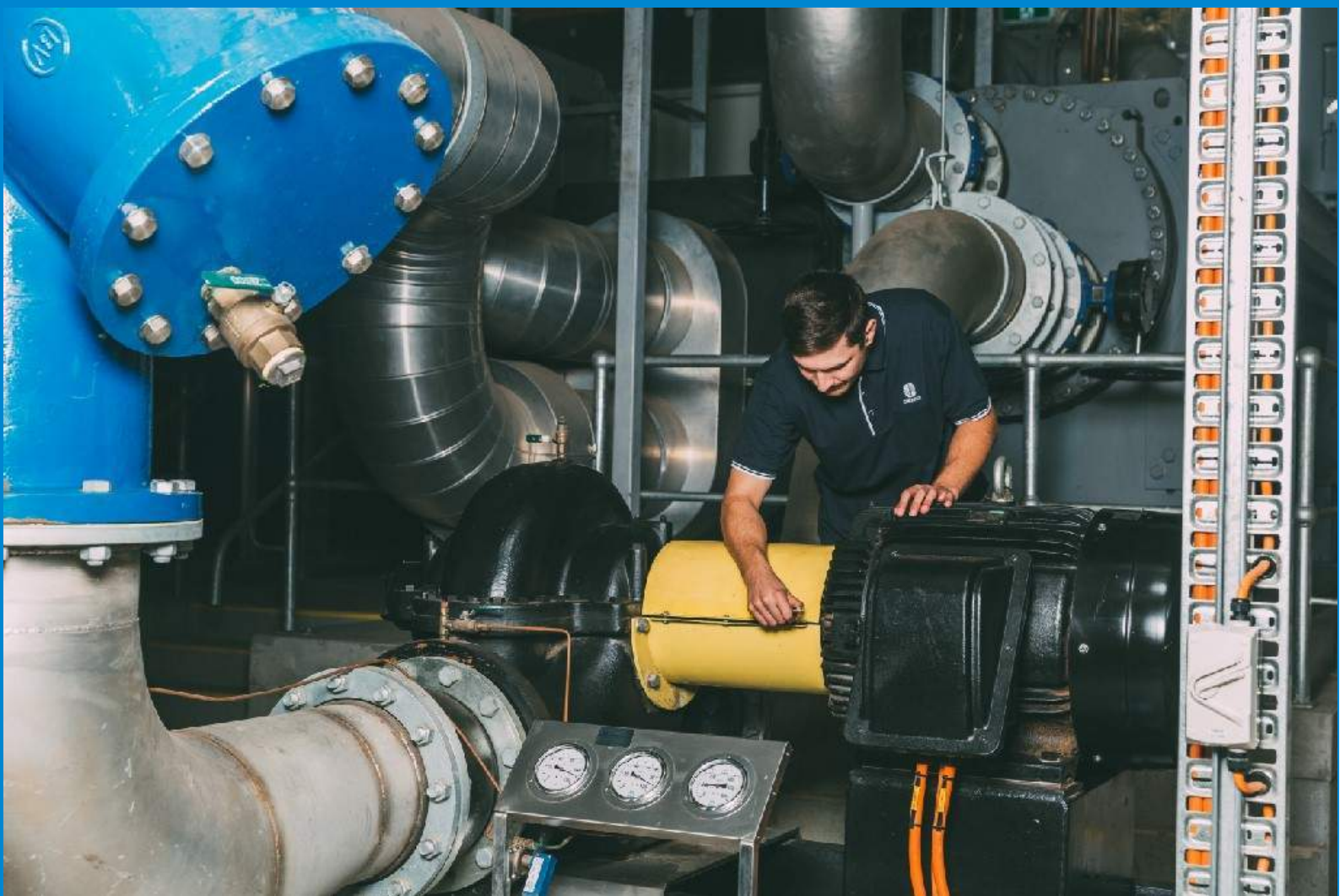


| Project | Client | Project Date | Description of works | Similarities between projects | Value of Project | Outcome | Project contact | Contact details |
|--|---|-------------------------|--|--|------------------|---------------------------------|------------------------------------|---|
| WACHS202413770 - Replacement and upgrade of Direct Drive Air Handling Unit (AHU) Fans | WACHS – Pilbara | 16/07/2025 – 23/09/2025 | In place replacement of AHU Fans under operating Conditions | <ul style="list-style-type: none"> • Tight timelines • Environment Conditions and considerations • Interruption of services | \$165,400.00 | Completed on time and on budget | Brad West – WACHS Pilbara | M 0419041346 Email: brad.west@health.wa.gov.au |
| WACHS202413135 - Mechanical Services Works for Hedland Health Campus Kitchen | WACHS – Pilbara | 09/07/2024 – 1/11/2024 | Mechanical works to be undertaken to the existing redundant system external to the Hedland Health Campus (HHC) kitchen | <ul style="list-style-type: none"> • Tight timelines • Environment Conditions and considerations • Interruption of services | \$203,000.00 | Completed on time and on budget | Brad West – WACHS Pilbara | M 0419041346 Email: brad.west@health.wa.gov.au |
| WACHS202413136 - Mechanical trade portion of the Albany Health Campus (AHC) Theatre Lights install | WACHS – Great Southern | 02/08/2024 – 21/11/2024 | Carry out Mechanical Works for Light replacement Upgrade Fans in AHU's Redesign and install new laminar flow screens | <ul style="list-style-type: none"> • Tight Timeframes • Nil Interruptions to Service • Adjustment for Unseen or unknown defects | \$298,000.00 | Completed on time and on budget | Paul Irvine – WACHS Great Southern | M:0477 504 070 Email: GS.ProjectOfficer@health.wa.gov.au |
| FINW0481823 Albany Residential College - Kitchen Ventilation Upgrade | Department of Finance – BMW – Albany Office | 23/11/2023– 01/02/2024 | Albany Residential College – Kitchen Ventilation Upgrade | <ul style="list-style-type: none"> • Tight Timeframes • Nil Interruptions to Service • Adjustment for Unseen or unknown defects | \$74,000.00 | Completed on time and on budget | Mick Dryden – BMW Albany Office | m: 0427 190 382 e: michael.dryden@finance.wa.gov.au |

Across all projects, Centigrade has consistently delivered on time, within budget, and to strict compliance standards, often within live and operational environments such as hospitals and recreation facilities.

Our proven record of repeat work with WACHS, the City of Albany, and the Department of Finance demonstrates our reliability, quality workmanship, and ability to deliver critical infrastructure upgrades safely and efficiently.





7. WARRANTY TERMS

7. WARRANTY TERMS

Centigrade Services provides a comprehensive warranty framework covering both equipment and installation workmanship.

| Warranty Type | Duration | Coverage |
|--|---------------|--|
| Manufacturer (Temperzone) | 5 Years | Parts & compressor |
| Workmanship (Centigrade Services) | 12 Months | Labour and installation quality |
| Compliance Certificates | On completion | Electrical & refrigeration certificates issued |

Our Albany office will provide ongoing support and priority service response throughout the warranty period and beyond.





8. OPTIONAL EQUIPMENT

8. OPTIONAL EQUIPMENT FOR REDUCED COST

Option A – ActronAir SCA 290 C / SCG 290 E (R410A)

- Cooling: 29.5 kW | Heating: 27.5 kW | Airflow: ~1500 L/s
 - Availability: **4 – 6 weeks ex Sydney**
 - Compressor: Fixed scroll | Refrigerant: R410A
 - Relative Cost: **Slightly lower than base option**
 - Advantages: Locally built, easy to service, fast delivery.
-

Option B –

Mitsubishi Electric PUHY-P250YNW-A1-AU with PEFY-P250VMHS-E (VRF System)

- Cooling: 28.0 kW | Heating: 31.5 kW | Airflow: 950 – 1400 L/s
 - Efficiency: EER 3.99 | COP 4.47
 - Availability: **Installable within 4 weeks**
 - Approximate Cost: **≈ \$10,000 less than Temperzone base option (TBA)**
 - Notes: High-efficiency VRF system with inverter-driven compressors and advanced load control.
 - Considerations: R410A refrigerant (not R32 compatible); additional control wiring & commissioning time.
-

Summary:

All equipment options satisfy RFQ 01-25 requirements for performance and compliance

• **- Temperzone ISD 351 / OSA 352 –**

Base recommendation (R32, high efficiency, reliable).

- ActronAir SCA / SCG – Simpler, budget-friendly, slightly reduced performance.

- Mitsubishi Electric VRF (PUHY / PEFY) –

High efficiency, quieter, fastest delivery, and ≈ \$10 k cost saving.



CENTIGRADE SERVICE (HEAD OFFICE)

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