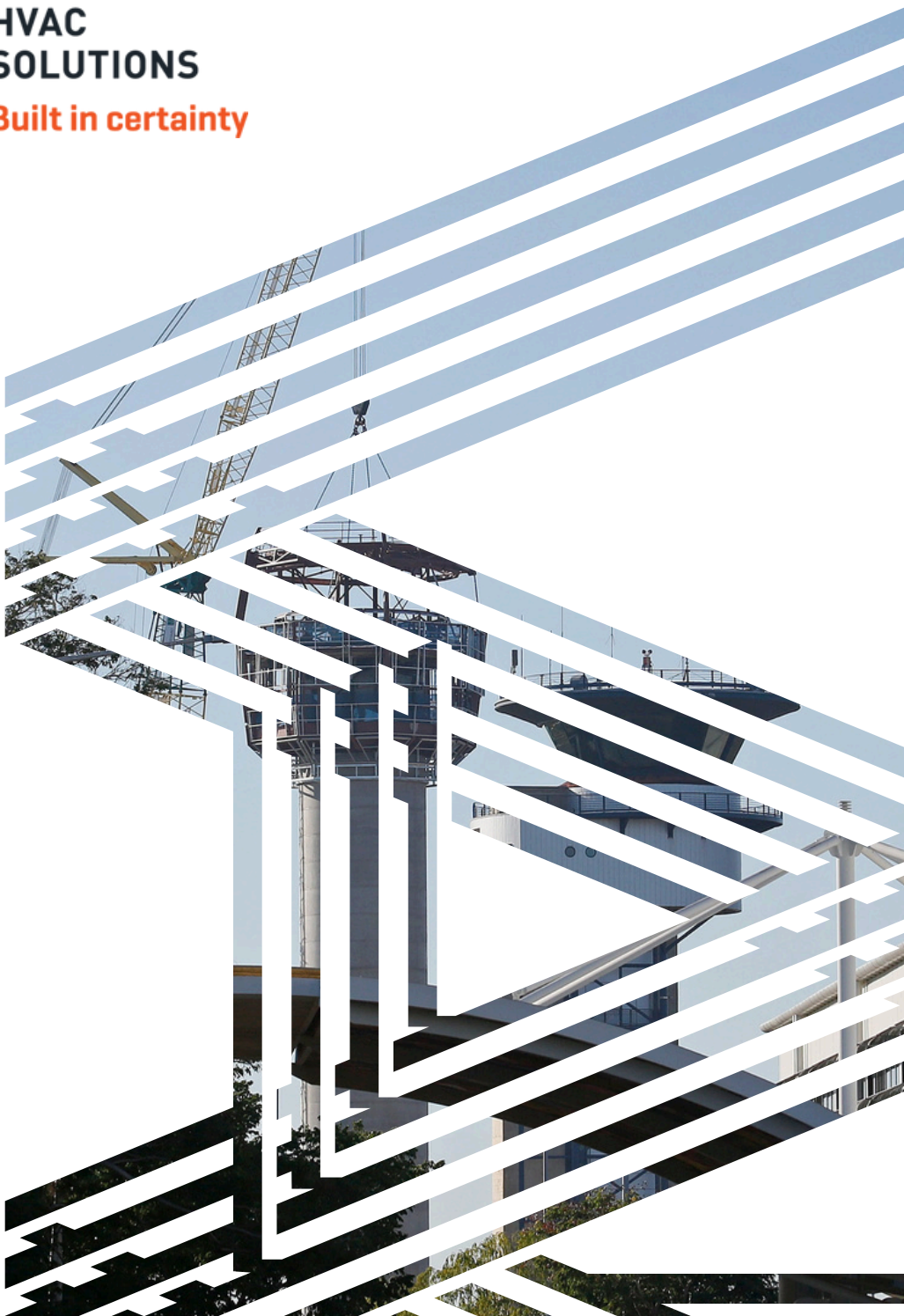




SMARTER
HVAC
SOLUTIONS
Built in certainty



VAE Defence Capability Profile

July 2025



WELCOME TO VAE Group

VAE Group is a leading provider of Heating, Ventilation, Air Conditioning (HVAC), and Building Technology solutions, with a history dating back to 1997. Today, we employ over 400 professionals across 12 office locations in Australia, New Zealand, and Papua New Guinea.

As a Tier 1 building solutions company, we are committed to upholding the highest standards of trust and integrity. We collaborate closely with our clients to develop customised solutions that meet their specific project requirements. Our expert staff are driven by a genuine passion for delivering outstanding results. This energy fosters innovative thinking, promotes efficient performance, and cultivates positive relationships.

Our team is comprised of in-house project managers, mechanical design engineers, and automation engineers. We have in-house drafting, and commissioning capability, as well as full mechanical and automation maintenance servicing capability.

.At VAE Group, we stand behind our promise to provide **"Built in Certainty"** for all clients and stakeholders. With a strong track record of delivering high-quality and innovative projects, we strive to deliver solutions that offer lasting value. VAE is committed to providing the highest level of service and delivering solutions that exceed our clients' expectations.

VAE are able to offer Defence a complete suite of HVAC solutions from major construction, retrofits and servicing from a well established Australian business.

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LOCATIONS



LOCATIONS

VAE Group provides services across Australia, New Zealand, throughout the Torres Strait and Papua New Guinea. With over 450 staff based across 12 branches, our company has the capacity to support national and regional clients and a range of site sizes and facilities.

SECTORS

VAE Group work across a range of sectors including:

- Aged Care
- Airports
- Commercial Buildings
- Corrections
- Data Centres
- Defence
- Education & Universities
- Health Care & Allied Services
- Hotels and Resorts
- Industrial
- Infrastructure
- High density Residential
- Sporting & Public Venues
- Local and State Government.

PEOPLE

Our people are our strength and we firmly believe in developing our own in-house talent, empowering our employees to fulfill their potential. Our team are mentored, trained and respected, and we provide everyone with career and personal development opportunities.

SERVICES

SPECIALIST HVAC SERVICES

VAE specialises in Smarter HVAC solutions and our team of experienced engineers and technicians design, supply, install, commission, service and maintain all mechanical and electrical systems. Our team can also upgrade assets and provide total refurbishment of buildings and facilities.

COMPLETE ASSET MANAGEMENT

VAE provide an open and transparent approach to the operating and lifecycle costs associated with your assets, providing accurate data analysis for future replacement, CAPEX and OPEX.

SPECIALIST CHILLER SERVICES

VAE have a team of skilled chiller technicians and highly can provide aftermarket services of most OEM Chillers. We are also a Powerpax Authorised Service Partner giving us the ability to conduct preventative maintenance and services, minimising electricity, gas and water usage.

ESSENTIAL SERVICES

VAE Essential Maintenance covers all Services regulatory requirements for the inspection of HVAC systems as referenced in the Australian Standards.

VAE are HVAC control Systems Specialists, which for our clients means certainty in the delivery and maintenance of complete systems for your facility.

SPECIAL PROJECTS

The VAE Special Projects team includes experienced engineers and technicians, with a vast amount of experience in new installations, retro-fitting existing systems and replacing HVAC assets. Our team can analyse your needs and budget to create a tailored solution for your site.

TECHNOLOGIES TO HELP YOU UNDERSTAND YOUR ASSET PERFORMANCE

VAE technology gives our clients the ability to track and predict their energy consumption and performance and compare usage across their portfolio.

VAE can also provide technical knowledge and advice through the VAE Bureau.

INNOVATION, SAFETY & SERVICE



VAE Group is recognised as a leader in safety within our industry. We place the highest priority on the safety and well-being of our employees and subcontractors and take every measure to minimize their exposure to unnecessary risk. Our comprehensive approach to safety, which is a cornerstone of our company culture, is known as ...

"Safe at Work | Safe at Home | Mental Health,"

TECHNOLOGY

We specialise in delivering Integrated Building Platforms (IBP), which seamlessly integrate all building services into a single user interface. Our solutions improve overall communication and coordination between different building systems, resulting in greater energy efficiency, improved occupant comfort, and reduced operating costs. By providing a holistic view of building operations, we enable building owners and operators to make informed decisions and optimise the overall performance of their buildings.

CERTIFICATION

Our safety philosophy continues throughout the business and have implemented an accredited Occupational Health and Safety Management System that complies with ISO 45001 (& AS/NZS4801). This system is audited by SAI Global and is integrated with our Quality Management System (ISO 9001 accredited) to ensure policy consistency and a culture of continuous improvement.

24/7 DIRECT DELIVERY SERVICE

Our highly skilled technicians are available 24 hours per day, 7 days per week, and our clients are supported with a 24 hour Northern Territory based Help Desk.

LEAD TEAM APPROACH

All VAE clients are supported by an appointed Client Services Manager and a Lead Team who will be responsible for your account for the duration of the contract, gaining knowledge and experience of the unique needs of the site.

TRAINING

We invest heavily in the training, equipment, and competencies of our employees to ensure they can identify and mitigate risks before they arise. We recognize that the safety of our employees extends beyond the workplace, and we are committed to ensuring they arrive at and return home from work safely. To this end, we place a strong emphasis on vehicle maintenance, proper licensing, and ensuring our staff are fit and capable, no matter their location.

IN-HOUSE SERVICES DELIVERY

Having our own in-house Service Team, allows VAE to mitigate risk, provide service continuity and gain a unique understanding of your assets and building, creating cost savings and efficiencies during the asset life cycle.



Defence Sector Quad Chart

DISCRIMINATORS

Built in Certainty is not just a brand promise, it's what we are all about. It's the fundamental value that drives everyone in our business. VAE Group also has branch offices throughout Australia and New Zealand enabling us to leverage our extensive in-house design, engineering, and drafting expertise to successfully deliver Defence projects across various locations as required. VAE also has a well-established network of local and interstate suppliers and specialist subcontractors to ensure seamless project execution. Working with VAE provides you with.

- The **financial strength** to provide you with **certainty** that the projects we start today will be delivered, we are here for the long haul
- Certainty that **safety** is our first priority
- Certainty that our projects will work as intended
- A team that will work with you, and deliver to **your expectations**
- Proven **capability** delivering Defence Projects in the Northern Territory including at: RAAF Tindal, RAAF Delamere and RAAF Darwin.

STANDARDS AND ACCREDITATIONS

VAE deliver safe, reliable, professional services, and our team are required to maintain all necessary licences and registrations for the full range of activities we provide.

We hold all the required certifications along with Northern Territory Contractor Accreditation (CAL) for the Northern Territory Government and ISO Accreditations

Quality Management Systems

- Quality ISO9001
- OHS Management Systems - ISO45001
- AS/NZS Health & Safety ISO4801



CAPABILITIES

VAE engineers, constructs and manages **Smarter HVAC Solutions...**

- **In-house design, engineering and drafting team**, creating smarter, simpler, coordinated designs
- **End-to-End solutions** including prefabrication, installation, automation, electrical, commissioning, compliance, and certification
- **Value Management** aimed at providing cost effective, energy efficient mechanical services solutions that provide built in certainty

KEY CUSTOMERS AND PARTNERS

With strong repeat business ... some of VAE's ongoing customers include:

- Lendlease
- Built
- BESIX Watpac
- Darwin International Airport
- Brisbane International Airport
- Brisbane Domestic Airport
- Shape Australia
- DCOH (formerly Halikos Construction)
- Hutchinson Builders
- QBuild



Image source © Commonwealth of Australia, Department of Defence

RAAF BASE DARWIN - DEFENCE AIR TRAFFIC CONTROL COMPLEX

2020

Client: LendLease

\$3.47m

The AIR 5431 Defence Air Traffic Control (ATC) Complex project is an Australian Defence Force project located at select bases across the nation, upgrading the Air Traffic Control Towers.



Lend Lease engaged VAE to undertake the major mechanical works to an extension of the existing Airfield Systems Complex (ASC), new ATC and new Energy Building at Darwin International Airport. As well as an extension to the chilled water plant serving both the existing and new buildings.

The new ATC tower is a 50m high multi-level facility accommodating a control cabin, external observation deck and a crew rest area, amenities, kitchenette and plant room.



Image source © Commonwealth of Australia, Department of Defence

RAAF BASE TINDAL (DEPARTMENT OF DEFENCE) AIR TRAFFIC CONTROL - STAGE 14

2018

Client: LendLease

\$3.3m

RAAF Base Tindal is Australia's most remote major Defence establishment, located 15km south of Katherine in the Northern Territory.



Lend Lease engaged VAE Group to provide a stand-alone air conditioning system to the new Air Traffic Control Tower and Air Systems Complex (ASC) buildings at RAAF Base Tindal, including a new chilled water plant, thermal storage, and air handling plant.

VAE collaborated with the RAAF and Lend Lease to provide programmed disruptions, in order to reduce required interruptions to operations.

Key Achievements

- Successful delivery of mechanical services in a very remote location, under 'live' Defence operations.
- Pre-fabrication of AHUs to minimise onsite labour.
- In-house Building Management System (BMS), including advanced graphics to assist in remote diagnosis.

DEPARTMENT OF DEFENCE, RAAF DELAMERE AIR WEAPONS RANGE

2018 Client: LendLease \$3.3m

Delamere Air Weapons Range is a bombing range operated by the Royal Australian Air Force (RAAF), located in the Northern Territory 120km south of Katherine and RAAF Base Tindal.



The range covers over half a million acres and is undoubtedly one of Australia's premier weapons ranges.

VAE were engaged by Lend Lease to provide a stand-alone air conditioning system to the range operations centre, central facilities, visitor and accommodation facilities, maintenance buildings and various other buildings including ordnance stores.

The mechanical plant included packaged air conditioning units and Variable Refrigerant Flow (VRF) split systems, including advanced graphics to assist in remote diagnosis.



Image source © Commonwealth of Australia, Department of Defence

OUR SERVICES

ENGINEER

- In-house **design** capability with design sign off by Registered Engineers
- In-house drafting utilising experienced **Revit and 3D drafting** resources
- Value Management to **reduce** Capital Expenditure (CAPEX), **Improve** Buildability, and **reduce** Operational Expenditure (OPEX)



CONSTRUCT

- **Prefabrication:** to reduce site installation costs, for example, Vertical Risers and **Integrated Services** (Horizontal Services)
- Installation combining **in-house resources** and preferred subcontractors
- **In-house commissioning**
- In-house **technology team** providing Building Management Services (**BMS**) and Integrated Building Platforms (**IBP**) based on vendor independent technology
- Full time on-site **Safety Representative**



MANAGE

- Dedicated **Warranty Manager** and warranty team for the project
- **In-house** Mechanical Maintenance team
- Management of **specialist** subcontractors where required for example, Chillers, Boilers and Water Treatment
- **Automation Service Business**
- Data Driven Maintenance Division | **VAE Bureau**



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REACH OUT ON SOCIALS





GROUP

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'In the spirit of reconciliation, VAE acknowledges the Traditional Custodians of the land and acknowledge their connections to land, sea and community. We pay our respect to their Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.'

vaegroup.com