

AE CONSULTING COMPANY PROFILE



Parnell Auckland 1052

KIA ORA!

Thank you for your interest in AE Consulting. We have prepared this document to provide you with a comprehensive overview of our company and its core values.

We have successfully completed numerous upgrade, refurbishment and new build projects in commercial and residential buildings throughout New Zealand and Europe. Our key service offerings include mechanical engineering and sustainability, which we supplement through partnerships with other building services consultants, to offer a comprehensive range of competencies.

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ABOUT COMPANY

Located in Auckland, our company specialises in providing expert advice and solutions in Heating, Ventilation, and Air Conditioning (HVAC) Engineering. We have a strong focus on sustainable building design, aiming to create systems that not only meet your immediate needs but also contribute to your long-term success and have a positive impact on the beautiful Aotearoa New Zealand.

Collaboration lies at the heart of our approach as we actively partner with other industry-leading companies to offer a wide range of services to our esteemed clients. Our vision extends beyond HVAC engineering, as we aspire to grow into a comprehensive building services engineering consultancy. By forging strategic alliances, we can broaden our service portfolio and provide an integrated approach to address all facets of your project's requirements.

We understand that sustainable building design is paramount in today's world, and we embrace this ethos in every aspect of our work.

HOW WE WORK

1

We listen and respect your needs.

At our company, we deeply value your needs and place a strong emphasis on active listening and respect. We understand that every project is unique, and we are committed to fully understanding your goals, preferences, and challenges.

2

We honour your time and take responsibility.

We understand that time is a precious resource, and we are committed to being efficient and responsive in all our interactions.

We take responsibility for our actions and understand the importance of delivering on our commitments.

3

We provide a reliable service.

Reliability is at the core of our service. We understand the importance of delivering dependable solutions to our clients, and we are committed to upholding a consistent level of quality and professionalism.



OUR SERVICES

Mechanical Engineering

Our expertise covers the following areas:

1. **HVAC Systems:** We specialise in designing and implementing efficient heating, cooling, and ventilation systems for buildings.
2. **Building Management Systems and Controls:** We excel in designing and integrating advanced building management systems that optimise the operation and energy performance of various building systems.
3. **Central Plant Systems:** Our focus extends to central plant systems, including the design and installation of vital equipment such as chillers, boilers, and heat exchangers for large-scale heating and cooling.
4. **Extract Systems:** We offer expertise in designing and installing ventilation systems compliant to G4 that effectively remove contaminants, odours, and moisture from specific areas or processes within a building.
5. **Building Thermal Envelope H1 Assessment Report:** We provide comprehensive assessment reports for building thermal envelopes, evaluating insulation, air sealing, and overall thermal performance to identify energy efficiency opportunities.

The background of the page is a photograph of a building's steel framework, showing a grid of beams and columns. The image is partially obscured by a white box containing the main heading and a dark blue gradient area on the right side.

OUR SERVICES

Passive Design

In addition to our expertise in passive design and building physics, we offer IES thermal modelling services. Using advanced software, we simulate and analyse your building's thermal performance, providing insights into energy efficiency and comfort levels. This helps us optimise HVAC design, identify energy waste, and propose solutions for improved thermal performance.

System Commissioning

We provide comprehensive quality assurance services to ensure that systems operate as intended and meet the necessary standards. We strongly believe that optimising building performance and energy efficiency is crucial for creating sustainable and cost-effective buildings.

A black and white photograph of a complex industrial structure, possibly a refinery or power plant, with multiple levels of metal walkways, railings, and pipes. The structure is set against a bright sky.

OUR SERVICES

Construction Observation and Compliance

Our construction observation services guarantee the highest standards for your building projects. With our comprehensive approach, we provide regular project status reports and promptly address any identified issues to ensure effective resolution. Furthermore, our specialisation lies in providing Producer Statements 1, 2, and 4 for Building Consent compliances, ensuring that your building works align with approved plans and regulations.

Companies we partner with

We actively collaborate with other reputable companies to offer a wide range of services to our clients. Our network of partners includes experts in electrical, hydraulics, sustainability, fire, and acoustics. By joining forces with these professionals, we are able to provide a comprehensive suite of services that cater to the unique needs of each project. Together, we ensure that all aspects of the design and construction process are seamlessly integrated, delivering exceptional results for our clients.

PAST PROJECTS

The projects listed below are a selection of our past endeavors, undertaken prior to the establishment of Architectural Engineering Consulting. While these projects are not directly associated with our current firm, they demonstrate the breadth of our experience and expertise in the field.

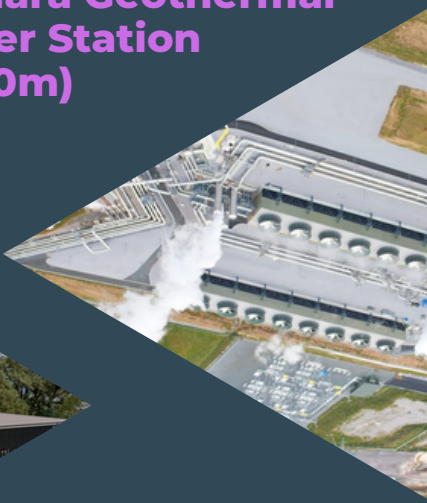


**Auckland Zoo
(\$50m+)**



**Fisher and Paykel
Healthcare Building 4
(\$125m+)**

**Tauhara Geothermal
Power Station
(\$580m)**



**Mason Clinic - E Tū
Wairua Hinengaro
(\$100m+)**

Other projects:

- MOE School Energy Efficiency Trials
- Heatley Residence (5m+)
- Fisher and Paykel District Compressed Air Reticulation System
- Data Centre in Auckland
- Data Centre in Finland
- Learning and Teaching Hub in Scotland
- Knockroon Campus in Scotland
- University of Andrews
- Music Centre in Scotland

MEET YOUR CONSULTANT

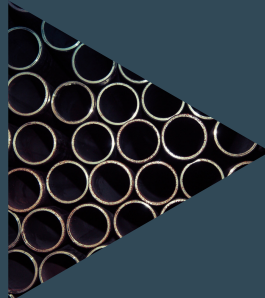


Ana Taranenko
MEng MCIBSE
CEng LFA

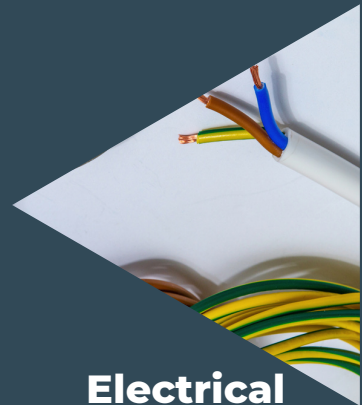
Ana is a chartered Mechanical (HVAC) engineer with over eight years of experience working on a wide range of projects in New Zealand and Europe.

After gaining valuable experience working for various consultancies of different scales, Ana decided to start her own company. Her goal is to combine the best practices from her previous work experiences and add her own personal passions to provide clients with innovative and sustainable solutions.

Companies we partner with



Hydraulics



Electrical



Fire



BIM



Acoustics

CLIENTS FEEDBACK



James Downing, Associate Mechanical Engineer at Jacobs Australia

In my experience working with Ana on the MPI PHEC project, I found her willingness to take on tasks and thoroughness in her investigation to be a good example of her strengths. Her knowledge of local standards and industry practice was invaluable for the early decision making process.



Daniel Heynen, Director at Kinetic Build

Ana is reliable, knowledgeable and always friendly to chat with and share ideas. She is able to convey technical concepts in easily-understandable language and is our first port of call for HVAC and sustainability advice.



AE Consulting

If you are interested in leveraging our services, exploring collaboration opportunities, or scheduling a meeting please get in touch using the information provided below. We appreciate your consideration of our consultancy and look forward to the possibility of working together.

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