



Intumescent
Coatings



Transmission
Tower Painting



Protective Coatings
and Blasting



Specialist
Height Services



Asbestos
& Demolition



Concrete
Remediation



Passive Fire
Protection



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www.cakegroup.co.nz



About Us

Since our beginnings in New Zealand in 2003 we've become a world leader in corrosion mitigation. We provide specialised services nationwide in Protective Coatings, Passive Fire Protection, and Asbestos and Demolition Services.

While we have achieved international standard certification, the most challenging standards are those we hold for ourselves. We continually develop better and safer ways to undertake all projects, by:



Investing in Our People

Our most important asset! Quality, Safety and Leadership drive our culture (which is second to none). We invest in training, and focus without compromise on safety. Ultimately, this leads to outstanding service and value for our clients.



Partnering with Clients

We add value by building collaborative relationships with our clients. This enables precontract engagement to discuss cost-effective and time-saving solutions for any given project.



Using the Latest Technology

We use the latest technology to capture quality assurance and safety information allowing quick and transparent reporting to our clients at any point in a project. We custom build specialised equipment and present innovative ideas to maximise efficiencies and reduce environmental impacts on our clients' projects.



Working with Robust Systems

Our systems are ISO 9001, ISO 14001, and OHSAS 18001 certified for quality, environmental and safety management. We continue to develop our Health & Safety and Quality systems through innovative solutions. The culture of our business is built upon safe and quality practices amongst our highly skilled team.



Industry Participation

We demonstrate industry leadership via our membership of FPA (Fire Protection Association), NACE International (National Association of Corrosion Engineers), SSPC (Society of Protective Coatings), Australian Corrosion Association, NZDAA (New Zealand Demolition and Asbestos Association) along with various Health and Safety Leadership Forums.

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Services

Cake specialises in providing closely aligned business units which work together for our clients. These are typically for large-scale industrial and commercial organisations and government-funded agencies throughout New Zealand.



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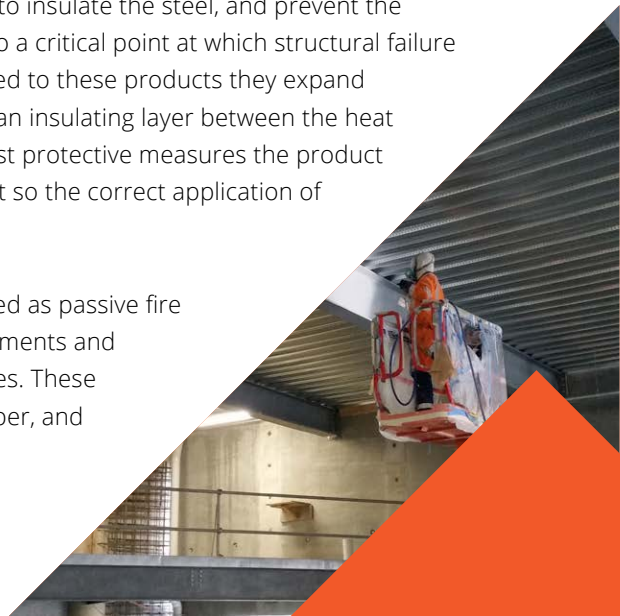


Intumescent Coatings

Intumescent Coatings can provide an appearance similar to that of a paint finish, and at ambient temperatures they remain stable. However, in a fire situation, the increase in temperature causes a chemical reaction and the Intumescent Coating expands to many times its original thickness. This provides an insulating foam-like coating or 'char' which protects the substrate.

The Intumescent Coating is designed to insulate the steel, and prevent the temperature of the steel from rising to a critical point at which structural failure becomes possible. Once heat is applied to these products they expand significantly and this in turn provides an insulating layer between the heat source and the substrate. As with most protective measures the product is only as effective as its weakest point so the correct application of these products is critical.

Intumescent Coatings are typically used as passive fire protection in a variety of built environments and can be applied to numerous substrates. These include structural steel elements, timber, and plasterboard.



What we offer

A large team of fully trained staff capable of applying both thick and thin film Intumescent Coatings to steel and other substrates, on commercial and industrial projects throughout New Zealand.

- Application of thin film Intumescent Coatings - both water - and solvent-borne
- Application of thick film Intumescent Coatings - 100% solid epoxy intumescent coatings such as chartek 1709 and 212
- Approved applicators of Akzo Nobel, Altex, Zone Phoenix, and Resene Intumescent Coatings
- A large team of specialist and vastly experienced spray applicators
- A live up-to-the-minute quality assurance software programme, providing detailed progress of each project at any time



Specialist Equipment

We use the latest technology for the application of Intumescent Coating systems. No two projects are the same, so our practical knowledge that we have gained combined with our extensive range of spray equipment enable us to produce high quality and efficient work for any type of Intumescent project, no matter how complex. Our thorough and in-depth experience of applying various Intumescent Coatings in a number of different environments enable our skilled team to select the most appropriate spray equipment each and every time.

Our wide range of equipment consists of:

- Various sized Graco spray pumps and associated equipment to suit each coating system
- WIWA single leg Pneumatic PFP pumps (Hercules) for on-site application of 100% solid (Thick Film) Intumescent Coatings
- WIWA plural PFP pump for off-site application of thick film Intumescent Coatings
- Multiple compressors ranging in sizes from 100CFM to 850CFM
- Fully customised vehicles and trailers to transport our equipment



An Experienced Team

of Qualified Protective Coating Applicators

Having a highly motivated team of expert Protective Coating Spray Applicators ensures each project is completed on time, on budget and to a high standard of workmanship. Our focus is on continual training and development for all of our team. Investing in our people is reflected by our reputation in the marketplace of carrying out our works safely and to the highest quality every time.

Our team is one of the most experienced Intumescent Coatings teams throughout New Zealand:

- NACE qualified professionals
- Train the Painter accredited
- Skills matrix review on each and every team member for on-going development
- Peer training and mentoring
- All our staff are trained extensively in QA procedures and specifications
- Voluntary 3rd party independent inspections





Transmission Tower Painting



First-class energised tower refurbishment, maintenance and painting services on live-line assets across New Zealand and Fiji.



What we offer

We're at the top of our industry – literally.

We provide first-class energised tower repair, maintenance and painting services to transmission and broadcasting assets across New Zealand. Specifically, we offer safe and innovative solutions such as:

- High pressure water blasting from 2000-5000 PSI
- Wet abrasive blasting (WAB)
- Application of various protective coating systems
- Corrosion assessment and mitigation strategies
- Steel and bolt replacement, earth plate installation



Safety is number one! We will not compromise on Safety

Our experience is that our clients think the same way. We like that. It means our values align and we have a shared goal of every person on our projects returning home safely at the end of every day.

Painting at heights in an energised zone is a very high risk activity requiring specialist training and stringent work practices. Our crews are disciplined and highly trained in painting energised circuits. Our work practices and methodologies incorporate safety at every level.



Capable and Trained Energised Tower Painters

We have a well-seasoned team of multi-disciplined tower painting/rigging and industrial rope access technicians.

All members are certified in tower rescue, working at heights and high risk work environments. Some of our staff have been painting energised circuits around the world for over 15 years.

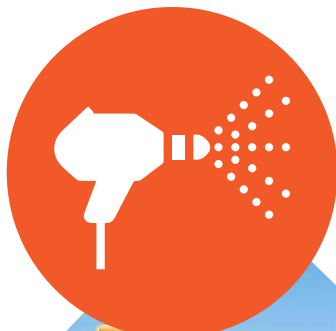
All team members, before deemed competent, must undergo an intensive training and certification process. Many of the team are Train the Painter and NACE qualified.

Other training topics include:

- Site – specific electrical theory and practical knowledge – critical for working at heights on energised structures
- Equipotential bonding of plant and machinery
- Mechanical preparation, water blasting and/or wet abrasive blasting steel lattice towers on live circuits
- Application of various protective coatings



Protective Coatings and Blasting



As well as the application of protective coatings, we also provide inspection services to assess corrosion levels and create maintenance strategies.

To meet service life requirements, we can also design specifications and can utilise all forms of specialist surface preparation and containment measures to match.



What we offer

We offer the most cost-effective and tailor-made solutions to match any client's needs:

Experienced in working on a wide variety of structures and assets, from pipes to steel structures to steel lattice towers and high-rise buildings

Comprehensive road and bridge services with proven track record on a range of maintenance projects

Vast experience in designing and implementing corrosion mitigation strategies on steel bridges throughout New Zealand in a wide variety of environments.

Our coordinated service includes the use of:

- Access machinery
- Scaffolding
- Specialist height services / rope access
- Traffic management
- High-pressure water and abrasive blasting
- Confined Spaces



Abrasive Blasting and Specialist Spray Equipment

The correct preparation and adherence to specifications ensure each project is built to last. Using the right surface preparation equipment is vital and can save time, money, and provide efficiencies throughout the project. We have a large range of specialist blasting equipment that can cater to suit a range of steel coatings projects in different service environments. All our equipment is mobile and can be taken almost anywhere.

Examples are:

- Pencil blasters – used for detailed or delicate surfaces
- Conventional wet abrasive blasting systems
- Air assisted/mist blasting (low dust)
- Dry blasting pots
- A range of compressors from 100CFM to 850CFM
- Our extensive range of spray application

equipment produces high quality and efficient work for all types of steel coating applications:

- All sizes of Graco spray pumps and associated equipment
- Hercules spray equipment
- Plural Component spray equipment
- Customised built vehicles and trailers to suit the various equipment required

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Specialist Height Services



High-rise building maintenance and painting, cell tower remediation, anchor point installation, abseiling and more!



What we offer

All our height access trained staff can offer skills in all aspects of protective coating services. We undertake high-rise building maintenance and commercial painting, cell tower remediation, anchor point installation, abseiling and more!

We have a specialist height services team to provide:

- All aspects of commercial painting and protective coatings application
- Abseiling
- Fall arrest systems
- Abseil anchors
- High rise property maintenance
- Cell tower remediation
- Led lighting installation



Well experienced team of qualified rope access technicians

Having a highly experienced team of Rope Access Technicians, with an in-depth understanding of protective coating applications, ensures each project is completed on time, on budget, and to a high standard of workmanship - and, above all, safely.

Our focus is on continual training and development of all of our team. Investing in our people reflects our reputation in the marketplace for safe and quality work practices.

Training includes:

- Custom built training height access training facility
- IRATA and IRAANZ trained Rope Access Technicians
- Skills matrix review on each and every team member for on going development
- Peer training and mentoring
- All our Rope Access Technicians staff are trained extensively in Safety and QA procedures and specifications



Safety first! We will not compromise on safety

As with all of our work, safety is our number one priority when operating at height, in particular when utilising rope access. We are highly trained and experienced in ensuring that all of our safety equipment is installed correctly and double checked prior to use. Every team member is encouraged and empowered to follow our behavioural value of being a safety leader.

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Asbestos & Demolition



Fit for purpose high quality Demolition and Asbestos Removal services for commercial, industrial and infrastructure assets.



What we offer

Demolition

Through our combined years of experience we have been involved with all manner of demolition projects, from small private properties to multi-level buildings, as well as more specialised projects. We have the capability to efficiently plan and project manage all types of demolition projects and advise on the quickest, safest and most environmentally-sound course of action.

Asbestos Removal

We offer high quality Asbestos Removal and Project Management services across a variety of environments.

We do this by offering the following services:

- Class A Asbestos Removal
- Class B Asbestos Removal
- Contaminated Soil Removal and Management
- Decontamination Services
- Encapsulation of Asbestos Products
- Engaging Third Party Consultants
- Project Management, Budget estimates



Safety is Number One

Safety is our focus when dealing with Demolition and Asbestos and the environments they are in.

Our teams and contractors are highly trained in Demolition and Asbestos Removal, Decontamination, Working at Heights and Confined Spaces. Effective planning and methodologies around the removal process ensure all risks are planned for.

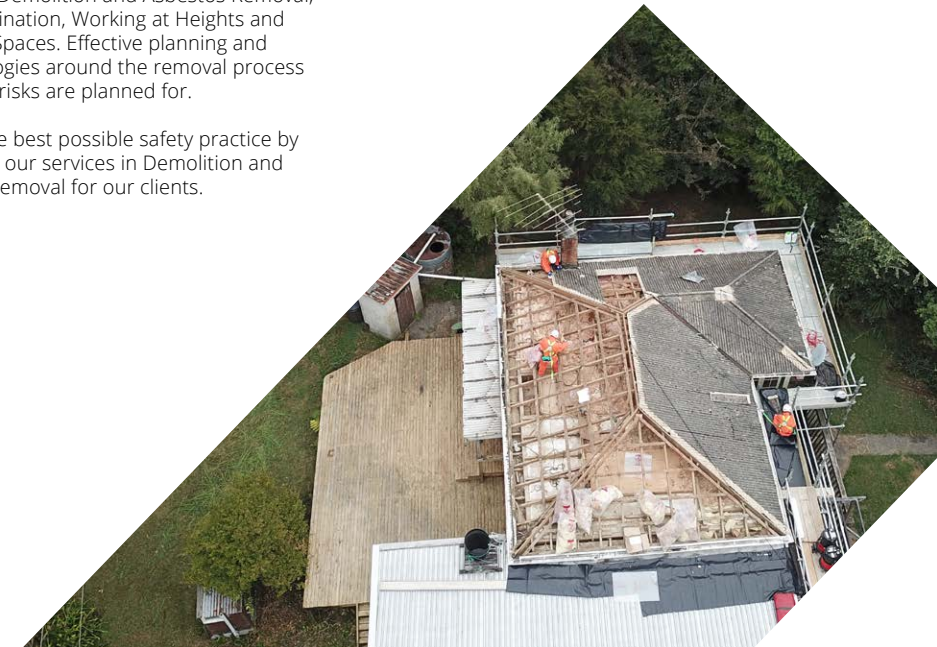
We provide best possible safety practice by combining our services in Demolition and Asbestos removal for our clients.



Nationwide service

Our Demolition and Asbestos Removal Services are nationwide with teams based in Auckland, Palmerston North and Christchurch.

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Highly competent Project Management team

Well-versed in project management of large and diverse projects, we have worked successfully on major roading network projects for alliance partners.



Quality assurance and safety

We have an outstanding environmental and safety record, supported by management systems that are certified to ISO 14001 and OHSAS 18001

We utilise the latest application techniques and technology along with the leading construction materials to provide our clients with project-specific solutions to ensure optimum outcomes.

We approach these projects with a focus on safety and quality assurance, using our ISO 9001 quality management system.



What we offer

Concrete Repair:

- Warehouse/Industrial floors
- Building structures – Concrete Beams, columns, walls and slabs
- Infrastructure – Bridges, Reservoirs
- Grinding and sealant

Structural Strengthening:

- Carbon Fibre and Fibreglass strengthening to concrete beams, columns, slabs and walls

Injection:

- Polyurethane and Epoxy Injection to structural and non-structural cracks in concrete
- Water-Stop Injection to concrete retaining walls and basements

Core Cutting & Sawing

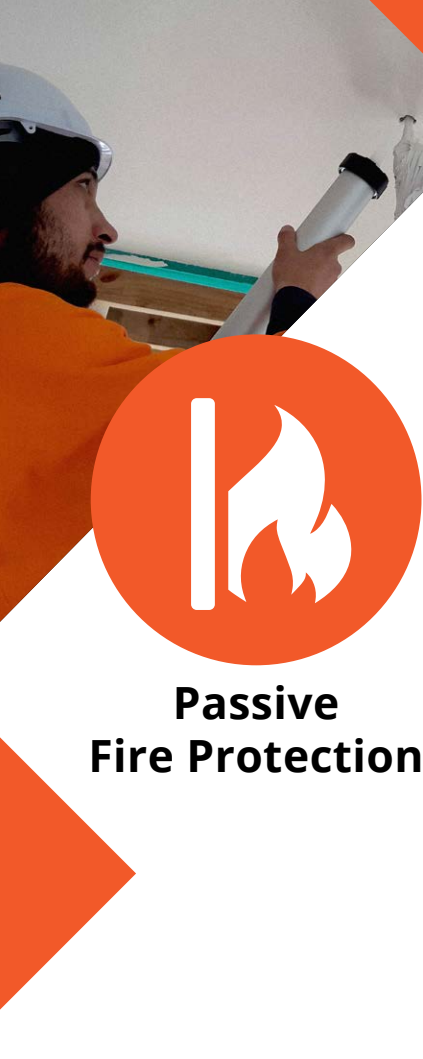
- Coring of various penetration sites
- Concrete Sawing

Concrete Remediation



We specialise in all aspects of Concrete Repair, Injection, Sealant and Structural Strengthening work to the Commercial and Industrial sectors throughout New Zealand.





Passive Fire Protection

What is Passive Fire Protection?

Passive Fire Protection (PFP) uses strategically placed structural components within a building to segment a fire and prevent it spreading.

How does Passive Fire Protection prevent fires?

The structural elements within the building are fire resistant, thus giving no additional fuel for the fire to consume and therefore containing the spread. These structural fireproof elements consist of fireproof concrete walls and floors along with fire resistant doors.

By isolating fire to one part of a building it is then easier to contain and eliminate. This prevents the fire from spreading to the neighboring rooms or offices and helps save human lives by providing more time to evacuate the premises.

Coupled with increasing the safety for the occupants, Passive Fire Protection also offers reduced damage to structural components in the greater building which saves money in remediation work. Having Passive Fire

Protection in a building may also help reduce insurance costs.

How does Passive Fire Protection save lives?

Smoke inhalation is the primary cause of death for victims of fires in 50-80% of the cases. The inhalation or exposure to hot waste residues and gases from building construction elements can cause fatal respiratory symptoms or ongoing complications to breathing. Using Passive Fire Protection prevents the spread of the fire and thus prevents more toxic building components from catching fire, giving the occupants more time to escape into a safe area and then focus on evacuating the building.

The hot smoke injures or kills by a combination of thermal damage, poisoning and pulmonary irritation and swelling caused by carbon monoxide, cyanide and other combustion products.

Why is Passive Fire Protection crucial?

Passive Fire Protection is a vital part of any fire design – safeguarding human life and reducing the risk to property in the event of fire.

Passive Fire Protection is designed into the structure of a building providing fire separations in the form of fire rated floors and walls.

Fire separation is used to form fire compartments – which restrict the spread of fire and smoke within the building allowing occupants to escape and offering protection to fire fighters.

Many fire separations will have openings formed within, either for the passage of building services such as cables, pipes, ducting or for the installation of fire rated glazing, doors, inspection hatches or service risers.

Passive Fire Protection is both complex and detailed and at Cake Commercial Services we

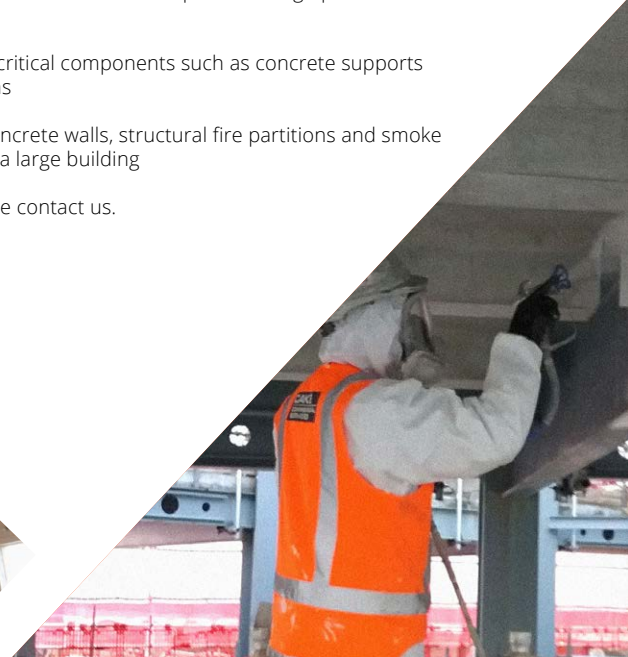
ensure adequate time is spent researching the correct product has been specified, sourced and installed to ensure the chosen system is building code compliant.



What we offer

- Firestopping materials - these materials are used to limit fire spread through penetrations in a fire barrier
- Structural fire protection that safeguards critical components such as concrete supports containing steel and concrete joint systems
- Segmentation of areas via fire resistant concrete walls, structural fire partitions and smoke barriers to help segment the areas within a large building

If you would like to discuss your needs please contact us.





MUTUAL
respect for everyone

ENCOURAGE PERSONAL GROWTH

We continually train and upskill our people at every step in their career with us. If we don't train, then people leave and we all lose. However, when we train our teams and they stay with us, we all benefit in personal and professional growth.

The value of mutual respect for all ensures our ability to learn from each other, to grow, and evolve into a truly world-class company. Mutual respect means we are equals and everyone matters. We are a team and each of us has an important contribution to make.



We take safety very seriously. And while we have achieved our OHSAS 18001 certification, each day brings new safety challenges and demands. That's why this core value is so important. For our job sites to be truly safe, each of us needs to take responsibility and be a safety leader. It's not enough to make assumptions that someone else has ensured our safety.

It's a personal decision every day and we value the effort and determination it takes to be our best selves. For each other, for the company and for our customers.



ENJOY YOUR JOB *and do an honest days work*

We take pride in our work and we strive daily to be productive and efficient at it. Teams who share this common core value work well together, they anticipate each other's needs and are ready before asked and in the best scenarios, they work as one.





Accreditations and Memberships



Environmental Management Certification since 2011

Protecting the environment is everyone's responsibility. Cake's environment management systems enable our business to monitor and manage our impact on the environment, by controlling risks and creating improvements. Cake is able to bring bottom line benefits to the performance of each project, by sound environment practice, ultimately benefiting our clients assets.



Health and Safety Management Certification since 2013

Our occupational health and safety management system enables Cake to monitor and manage hazards that may result in harm to our employees. By controlling risks and creating improvements not only will Cake be protecting employees, but it ensures a high level of safety assurance when working on clients' sites.



Quality Management Certification since 2009

Quality Management is all about having effective formalised management systems in place to ensure that our services are delivered to specification, on time and at the agreed cost.

Train the painter



Train the Painter Accreditation

Cake are authorised "Train the Painter" accredited coating applicators. This internationally recognised training programme has been developed by coatings experts throughout the world. The training offers our staff an in-depth understanding of protective coatings, to include; Protective coatings application, Abrasive Blasting, Spray Painting, and Specialist coating application.



Cake are active members with:

- NACE (Worldwide Corrosion authority)
- SSPC (Society of Protective Coatings)
- ACA (Australasian Corrosion Association)
- FPA (Fire Protection Association)
- NZDAA (New Zealand Demolition and Asbestos Association).

Cake regularly attends Health & Safety seminars across the country where learnings are shared with our team and the industry.





Future-focused Safety & QA Processes

Proudly Paperless



Safety Compliance Made Easy

Cake has worked in partnership with various software companies to develop our own customised safety software programme which attains the highest level of safety compliance without touching a piece of paper. By going paperless and with the ability to tailor the package to suit individual client needs, we can deliver bespoke Health & Safety and Quality Assurance records.

This can be sent to our clients 'live' at the touch of a button. We use real time monitoring and accountability, which ensures compliance and improvement of our safety culture every day. The information is stored on portable devices such as phones and tablets.

Our team loves using the easy to navigate software. This has made safety management easier, faster and better than ever. Each team uses a tablet to record safety pre starts, training logs, specifications, standard operating procedures, site specific safety plans, plus much more. One of the things we focus on is providing ongoing client value and we are able to customise safety related records to each and every client



Software Companies

Cake has been working closely with Software Companies to develop the ultimate QA software process for the Protective Coatings industry. Our team has designed products to be simple, efficient and user friendly, while automatically generating useful insights and progress of each step of the project at hand.

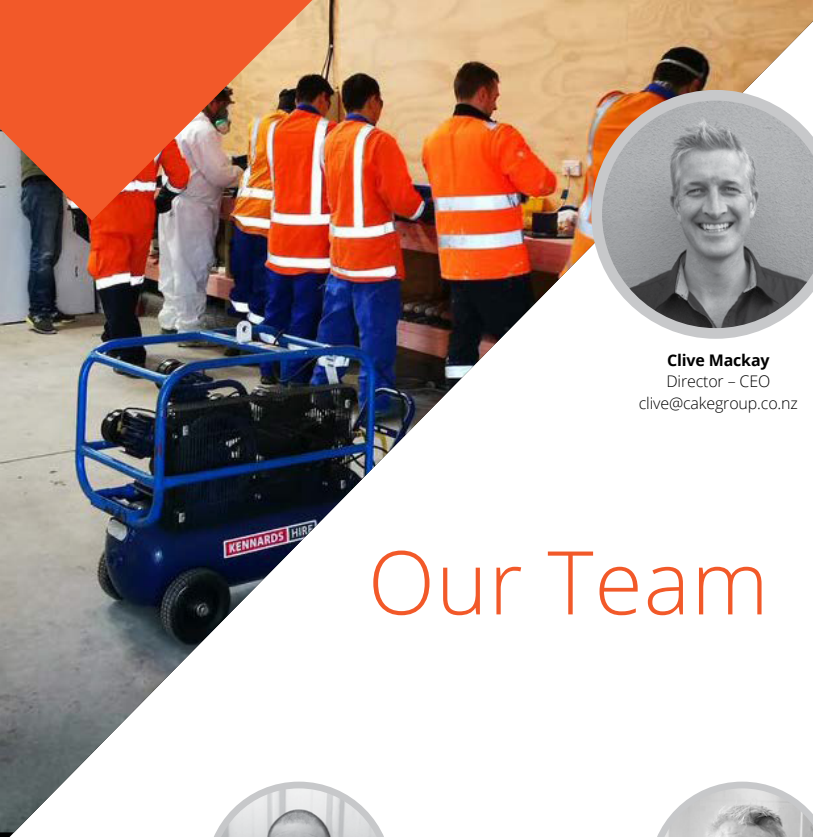
Quality is a significant measure of our progress and an efficient, transparent, collaborative effort in Quality Assurance ensures that we know we have met and



exceeded our client's specification. Using Cloud-based technology allows the entire painting process via QA documentation to be instantly accessible.

Our on-site team can take photos, complete various QA and job progress checks, log defects and record useable data to pass directly onto our clients, without delay. This quality process enables Cake to provide minute-by-minute progress and solve any potential issues instantly, saving time and money.





Our Team



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Our commitment is to live and practise our values and ensure we...

- Recruit and select the best
- Manage performance and hold all accountable to our values
- Provide opportunities for all to learn and grow in alignment with our values
- Recognise and celebrate each other for championing our values

We ask for the commitment of all employees, partners, vendors and clients to:

- Please let us know how we are doing!
- When you have feedback that will help us grow
- When you have innovative ideas that will help us elevate our values

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We welcome hearing from you!

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