

INTREC
project
annual

20

iNTREC

NSW

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Artarmon NSW 2064

QLD

8 Gardner Close
Milton 4064

VIC

Level 2, 95 Coventry Street
South Melbourne 3205

ACT

Level 1, 88-96 Bunda Street
Civic ACT 2601

2020: The Year of COVID-19

Attempting to put words to 2020 is like the year itself, where did it start, how did it unfold and how will it finish? 2020 will go down in history as the most disruptive year since the end of World War II and for many, will be a year of loss in so many ways.

With regard to Health and Safety, as Australians we are fortunate to live in a country that has had the ability to isolate ourselves from the global impact of COVID-19 and yet economically, the impact of COVID-19 has crippled 2020 and will no doubt impact 2021 for many businesses.

INTREC 2020 has been a test of our culture, 'stand downs', 'lock downs' and COVID-19 tests have become part of the 'new norm'. Our team have adapted to the challenges of COVID-19, and united as a community to support each other in what has been a very dynamic environment.

I am very proud of the way our staff have respected the situation and supported our clients throughout 2020.

Whilst the past year has been disruptive, INTREC have delivered over 150 projects with many projects becoming our new flagships. 2020 has been a year of evolution for INTREC, where we have expanded our offering through design and demonstrated a character of strength and stability across the industry.

I look forward to the challenges of 2021, and embrace the new opportunities that this 'new norm' brings.

Clint Bragg, 2020

agile wellbeing mechanical partnership
infrastructure upgrade government investment finance
commercial interiors rail leisure
hospitality property eci covid-19 design environmental
refurbishment collaborative partnership fitness
hotels construction management construction
aged care clubs education bca upgrade retail
sustainability development infection control health heritage



specialist aged care



DesignInc



"The project team from INTREC Management are extremely well organised and are highly competent. The team have demonstrated a sound knowledge of the building process with the capacity to coordinate and direct all contractors and work with the project consultancy team in a collaborative and positive manner.

Due to the changing aged care requirements, both through legislation and Opal Aged Care's evolving design standards, current projects have gone through significant changes over its life cycle. These changes were always received with invested interest by INTREC Management and alternative options frequently discussed to achieve an outcome that worked favourably for all key stakeholders.

It is great testament to the team that the project will not only finished on time and within budget but also will be delivered to an extremely high standard."

Eddie Naffah
Project Manager
Opal Aged Care

"Through the Project and Site Management expertise provided by INTREC, they were able to deliver our project ahead of schedule and a finished product that both GHD and INTREC can be proud of.

The communication and collaboration between INTREC and GHD's management team was fantastic. This project was yet another success in our ongoing relationship."

Trent Stokes
Project Manager
Project Management & Delivery
GHD

"INTREC have recently completed several ALDI Stores, incorporating both fit outs, new builds, re-freshes and store extensions with Architecture HQ.

We hold no qualms in confirming that INTREC is a construction company with a long-term outlook in relationship development and retention, that is at a grass roots level based on earnest integrity, with management and staff being of respectable and honest character, professionally competent, and of a high ethical and professional standard. The well planned and well executed outcomes our mutual clients receive through the current and ongoing projects we deliver with INTREC, place us in a position where we can firmly state that INTREC are made of both a co-operative team of individuals who all possess the aptitude and determination to collectively bring a project to completion on time, on budget, with our valuable clients always pleased with the final outcome.

All staff, from director to site personnel level, offer a controlled and practiced similarity in delivery, which offers a structured form of stability and logic to the daily undertakings of Intrec. Having well placed and precise processes allows for a smooth and controlled delivery of duties in a competent, diligent and proactive manner.

As a group, the entire team at INTREC possess the positive ability to approach their work from a friendly and pro-active viewpoint which provides us and our clients with an approach that assists project efficiency, for the entire development team."

Tony Parks
Managing Director
Architecture HQ

"The INTREC team were a pleasure to work with on the Augusta State School New GLA Building project. INTREC proved to be an excellent Head Contractor on this project, and worked with the wider team to manage the project with attention to detail and effective communication.

The project team liaised with all stakeholders to achieve timely project delivery, effective safety management and ultimately, a successful project outcome.

I recommend INTREC as a skilled and competent building contractor for works of this nature."

Nora Zbranek CPPM
Senior Project Coordinator,
Portfolio Delivery
Infrastructure Services Branch
Queensland Department of Education

"INTREC Management was successful in a competitive tender for construction of a new service centre for Service NSW in Revesby.

INTREC provided a highly collaborative service with focus on client service, quality, and cost. The project went on smoothly and was received positively by Service NSW stakeholders as a successful project."

Mike Movaffaghi
Design & Construction Manager
Service NSW

“LabSystems have been working with INTREC on various specialist Laboratory projects at RMIT University city campus over several years.

With Laboratory work requiring a close and accurate attention to detail and constant checking with a variety of standards, I have found INTREC to be both knowledgeable of the specialist Scientific/Laboratory requirements, from a building works and management perspective, as well as from a Gas, Hydraulic and Mechanical aspect.

I have enjoyed working with them and highly recommend them as a building company to be depended upon in this rigorous area of construction.”

Warren Booth
National Sales and Project Manager
LabSystems
RMIT University

“I expected to write an extensive defects report considering the extremely tight time frame for construction. However, I was amazed at the quality of fitout achieved in a tight time frame. As well as resolution of construction issues in such a short time.

INTREC had an insanely small period of time to deliver a project that would normally take twice as long, delivering the project ahead of schedule and during a world wide pandemic.”

Chris Smith
Senior Interior Designer
DesignInc
Burwood Council

“An overall excellent job by the team, leadership of the project team could not be faulted. Great people, excellent performance and professionalism.

INTREC provides an exceptional level of support and responsiveness to customer requirements and needs. A pleasure to collaborate with, product finish is state of the art.”

Tim Lovell
General Manager
Training Services Civil & Underground Const.
Centre for Energy & Infrastructure
Holmesglen

“I was the design architect, lead consultant and project superintendent for Contract Administration, for the recent refurbishment works to the ALDI store at Tingalpa. INTREC Management were the building contractor for the duration of these works on site.

A refurbishment project of this type requires a very competent construction team to maintain a rigorous and almost forensic approach to the complexities that can arise. This refurbishment project required the existing ALDI store to remain open and trading for most of the construction programme, which introduced issues such as staging of the works while being mindful of store opening hours, noise issues, public safety and operational considerations. The refurbishment required partial demolition of the existing building, and required a collaborative approach of both the architect and building contractor to foresee problems before they happen, and deal with adaptive strategies to maintain the required outcomes within budget and time parameters for the client.

INTREC proved to be an excellent main contractor in these regards, and worked with their entire team to manage the project with attention to detail. Coordination and assessment of site issues was handled in a proactive manner that resolved potential clashes before they transpired on site.

The final part of the project required a two-week shutdown of the store, and an intensive period of 24-hour workdays to complete the fitout before the deadline for re-opening the ALDI store. This also required a highly detailed coordination of both INTREC sub-contractors and external ALDI contractors for sequencing and progression of the works. This was handled extremely well, from a comprehensive planning and coordination meeting with the contractor team, through to a Practical Completion handover that was on time and with only minor defects.

I have no hesitation in recommending INTREC as a skilled and competent building contractor for works of this nature.”

Geoff Donaldson
Architect - Director
PA Architects

about intrec



IN A NUTSHELL

We build things. That's what we do here at INTREC, and we do it well. For over 24 years, INTREC has safely and sustainably delivered interior refurbishment and construction projects aimed at making everyday life just so much better for so many Australians.

We build schools and universities for learning, offices people are proud to work in, quality hospitals for all and places retirees can call home. We offer pride and satisfaction, enthusiasm and commitment and first-rate building experiences our clients want to repeat again. And again.

It's not just about the things you can see, it's the things you can't see that make the difference. It's more than simply building structures for INTREC. We build communities, form relationships and develop teams. We find solutions, offer expertise and establish trust. That's what makes us stand out from the crowd.

THE NUTS AND BOLTS

Privately-owned and passionately Australian, INTREC started as a small commercial builder, founded in 1996 by our Directors, Clint Bragg and Thomas Ho. Over the last two decades, INTREC has evolved from modest local beginnings to become one of Australia's largest refurbishment and construction companies. With an award-winning team of 180+ leading the charge, and an unblemished safety record, INTREC delivers projects the length of the east coast of Australia.

From office spaces and corporate buildings to schools, surf clubs and aged care facilities, INTREC works across a range of sectors, including government, commercial, health and medical, education, hospitality and hotels, and retail. Our national presence doesn't mean we are too big to care. We are local at heart and this extends to our suppliers and subcontractors too.

Limiting our environmental impact and the availability of sustainable options are key priorities for INTREC. Cost effectiveness without compromise is our focus. Delivering value on time and on budget for our clients tops the list.

our approach



SAFETY IS EVERYONE'S BUSINESS

We have an outstanding reputation for delivering projects in a safe manner and to a high quality. Our clients can rely on us to carry out safe work practices, all in accordance with the latest industry laws and regulations. INTREC's flawless safety track record is a testament to our teams' dedication to creating the safest work environment for everyone.

We utilise industry leading software, 'Hammertech', which aids our team in communicating as clearly, efficiently and safely as possible. This online application increases transparency, functionality, organisation, sustainability and safety across all our projects. Our safety and compliance team are extremely experienced and highly trained in mitigating risks.

We acknowledge areas of improvement and use any incidents as a lesson to be learnt for safe practice in the future.

INTREC is certified and committed to the implementation, maintenance and improvement of:

- AS/NZS ISO 9001:2015 Quality Management System
- AS/NZS ISO 14001:2015 Environmental Management System
- AS/NZS 4801:2001 Occupational Health and Safety System

SUSTAINABILITY

We are committed to creating sustainable solutions and building for the future, generating a better tomorrow. We recognise that our industry and client needs are constantly evolving, therefore we need to remain nimble and dynamic in every aspect of our functionality, especially in sustainable practices.

We will continue to apply strategies that maximise the achievement of ecologically sustainable development in the design, construction and operation of our works, including reducing pollutants, greenhouse gas emissions and demand on non-renewable resources such as energy sources and water.

INTREC has been a proud member of the Green Building Council of Australia for over 15 years. Our membership with the GBCA represents our commitment to sustainability in the built environment and beyond, as we continue to strengthen our capabilities on projects such as the University of Wollongong TLS Upgrade and the Mulpha International Essentia Townhomes in Sydney's Norwest.

INTREC are proud to have been the Head Contractor on several 4+ and 5+ Green Star Projects, and have many Green Star Accredited staff who are committed to creating sustainable solutions and shepherding a brighter future.

our difference



OUR DIFFERENCE IS OUR PEOPLE

At INTREC, our difference is our people. Everyone says it, very few mean it. At INTREC, we know it. Our people are the best. They do their very best to bring you the best. The proof is in the pudding.

Our people sign on for the long haul – INTREC is a place where careers are made, and people want to be. Our business is growing fast, and we are welcoming more and more talented and passionate people through our doors every day.

Our clients have great things to say about us. Just ask them. Long-standing partnerships and dynamic relationships with our clients are the reasons our people get out of bed every morning.

Our team members are creative, innovative, and completely hands-on. They challenge the status quo and focus on delivering the end vision. We really invest in our people and this drives the INTREC difference. The value we place on our amazing team underpins everything we do and forms the very foundation of our business.

At INTREC, our people work together to bring passion and drive to every project we undertake and to deliver the best solutions for our clients. We recognise that our clients want access to the best people for the job, and we're committed to providing just that.

When you work with INTREC, you're working with a team of people who are approachable, innovative and hands-on – a team of people who challenge 'the way it's always been' and who share a vision of 'how it could be.' It's the reason graduates want to work with us and how we've developed long-standing relationships with our clients.

our community



Boasting an energetic, positive and unique company culture, INTREC extends our dynamic enthusiasm to our wider community through our Corporate Social Responsibility initiatives. For INTREC, Corporate Social Responsibility is so much more than just a responsibility, it is a passion and drive to improve our surroundings, shaping communities and building a better tomorrow.

INTREC are proud to support Indigenous opportunity in the construction industry. Through our partnership with Hymba Yumba, an education and community-building initiative for Aboriginal and Torres Strait Islander cultures in Queensland, we have been able to donate vital equipment for the school's curriculum, as well as offer pathways for students looking to embark on a career in construction.

INTREC are also committed to workplace diversity, incorporating Indigenous participation as a core function in the company's project management processes, and maintaining Aboriginal cultural awareness in the workplace. Earlier this year, our team participated in a cultural awareness workshop taught by Mirri Mirri, to develop a better understanding of Indigenous cultures and to build stronger, more effective relationships with Aboriginal and Torres Strait Islander people and communities.

At INTREC we support a healthy and active work-life balance. Our team actively participate in marathons and sporting events to raise funds for various charities. The proceeds from our annual Golf Day are donated to the Bear Cottage Charity, who are dedicated to caring for children, parents and families with life-limiting conditions.

We host events and initiatives in support of Mates in Construction, Royal Flying Doctors, Our Neighbours Ministry, International Women's Day and the RSPCA. We also support many other events throughout the course of the year, giving the opportunity for our staff to network and socialise, developing relationships within the industry.

our capabilities



WORKING TOGETHER

Our key focus is developing a comprehensive understanding of our client's needs whilst delivering value, excellence, and certainty in every aspect of our service. It's our dedication to understanding our client's objective and exceeding their expectations that has earned INTREC a reputation for outstanding service, quality, safety and reliability.

We work closely with our clients to understand the full scope and expectations for the project, and then use this to determine the ideal team to make it happen. Our construction solutions include all aspects of the building process across all forms of contract. With our resources and expertise, we deliver projects up to \$50m with successful outcomes to our varied and valued client base.

SECTORS

We have a national presence across a diverse range of sectors, including but not limited to;

- Childcare
- Commercial
- Education
- Fitness and Leisure
- Government
- Health and Medical
- Hospitality and Hotels
- Industrial
- Rail and Transport
- Residential
- Retail
- Retirement and Aged Care
- Services Infrastructure

SERVICES

- Project Delivery/Construction
- Programme Management
- Design Management
- Programmed Maintenance
- Cost Management

our capabilities



CONTRACT TYPES

- Early Contractor Involvement
- Design and Construct
- Construct Only
- Managing Contractor

EARLY CONTRACTOR INVOLVEMENT (ECI)

INTREC strongly support a partnered approach, working collaboratively with clients to reduce **cost, time and risk** on a project. This is achieved by focussing on four key areas:

- Cost
- Design
- Programme
- Buildability

We understand that open communication, accurate transfer of information and effective time management is key to the success of the process.

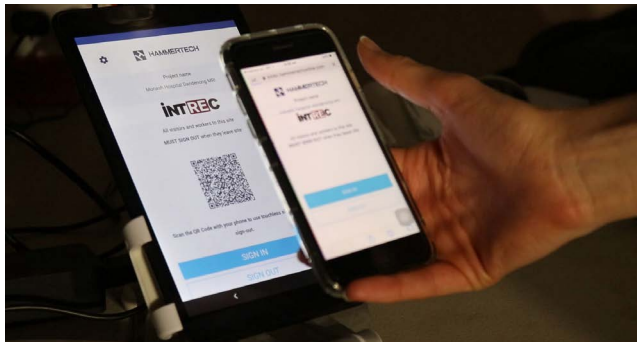
Our ECI methodologies are adapted to our client's requirements. We understand that the ECI Phase may evolve during the process, and are committed to maintaining an agile approach in our delivery.

Our ECI services include:

- Value management and buildability advice;
- Providing detailed design, procurement and construction programmes;
- Development of the Principal's Project Requirements (PPM);
- Design management, review, assessment, and inputs;
- Detailed cost planning with market tested pricing for key trade packages, which will provide cost certainty; and
- Site inspections and detailed investigations.

Our in-house Design Managers, along with the project delivery team, will work closely with key stakeholders to provide our clients with valuable outcomes.

our capabilities



HYGIENE AND INFECTION CONTROL

Developed through our extensive experience delivering projects within highly sensitive health and aged care environments, our systems and processes regarding Hygiene and Infection Control are consistently evolving to enable our continued operation onsite.

INTREC continue to adhere to Government guidelines and regulations in response to COVID-19. We understand that business continuity, value-engineering and timely project completion are key drivers for our clients during this difficult time.

Our team is ready and capable as always to deliver outstanding interiors, refurbishment and construction projects in New South Wales, Victoria and Queensland.

INTREC's priority is the health and safety of our team. We understand that we are dealing with a rapidly-evolving situation, and continue to monitor the advice and direction of the World Health Organisation (WHO), Australian Government Department of Health and State SafeWork bodies on a daily basis.

Our Executive Management Team have implemented an internal business continuity and pandemic response plan, including proactive precautionary measures to protect the health of our people and minimise risk or disruption to our clients and services.

Regular communications regarding INTREC's COVID-19 precaution updates are available to all employees, along with adaptable working from home options, travel precautions, exposure restrictions for group gatherings and active Safety and Compliance Team guidance.

We are committed to maintaining the following hygiene and infection control measures across our offices and construction sites:

our capabilities



No touch sign-in/sign-out for all INTREC sites and office visitors



All inductions require a signed declaration of movement and health questionnaire



Air lock system to all site entrances



No touch temperature check at all entry points at time of sign-in on all INTREC sites and offices



N95 hospital grade masks available for key tasks



Sandwich Fridge Panel hoarding



Predetermined redundancy matrix for all key roles in the project team



Step by step roadmaps to manage suspected COVID-19 cases



Boot Dip Mats to site entrances and exit points



Site Manager specific – updated COVID-19 training



Social distancing requirements



Covering of loose materials



Sanitizer and surface spray on all site and office entry and exit points



Frequent cleaning of all surfaces



Dust-sealing to site perimeter

our capabilities



HYGIENE AND INFECTION CONTROL

Dandenong Hospital MRI and CT Redevelopment Stage 1 - VIC

Monash Health is Victoria's largest public health service, providing more than 250 uniquely integrated community and hospital-based services. INTREC were engaged by Monash Health to deliver the redevelopment of the Dandenong Hospital MRI and CT scanner facilities. Located in a central part of the Hospital, our area of works were completely surrounded by live hospital operations. Our site team and trade partners are required to share common areas with Hospital patients, staff, and visitors.

Stringent infection control and COVID-19 hygiene measures such as airlocks, sandwich panel hoarding, dust-sealing, touchless sign-in procedures, hand washing stations and boot dip mats were used throughout the duration of the works to ensure the safety of all Hospital staff, patients, visitors and our trade partners.

Opal Aged Care Rollout and Facility Upgrade - NSW

Opal Aged Care provides specialist aged care services for a range of needs, including dementia and respite care. In early 2020, Opal Aged care sought an experienced builder to undertake the refurbishment, at an ECI capacity, of the C03 Suite Upgrade for Opal Windward Manor in Chiswick.

INTREC completed the upgrade with great success and was subsequently awarded the upgrade of the remaining 113 rooms at Windward Manor, to be carried out over the next two years.

To undertake the works, our team has implemented a range of hygiene control measures to ensure that all residents, staff and contractors are safe. This includes temperature checks prior to entering site, hand sanitizing stations upon entrance, hoardings to minimise interactions with residents and staff, onsite compulsory masks, and mandatory flu vaccination prior to commencing onsite.

our capabilities



HYGIENE AND INFECTION CONTROL

West Gippsland Hospital Short Stay Unit and Third Operating Theatre - VIC

Johnstaff Projects engaged INTREC to deliver the construction of a new eight bed Short Stay Unit (SSU), Third Operating Theatre (TOT) and 50-bay car park, located in regional Victoria.

Working within a live hospital was a considerable risk throughout the project. This highlighted the importance of clear and concise signage, frequent communication with patients, staff and visitors, as well as the significance of traffic management implementations when working adjacent to an ambulance bay.

The project team also undertook particle monitoring and stringent infection control measures to ensure the surrounding Hospital rooms were not contaminated or affected by the works.

The construction of the SSU and TOT has met increasing demand for elective and emergency surgery from the growing Gippsland population; expanding capacity and reducing waiting times.



our capabilities

REGIONAL AND MULTI-SITE

Over the past 24 years, INTREC has gained extensive experience delivering interior refurbishment and construction projects in regional areas with several of those delivered as part of multi-site rollouts. Our national presence allows us to bring on resources where required and share knowledge to ensure clients are getting the same product wherever the project may be.

Since 2015, INTREC has delivered over 41 shop fronts for Service NSW, with many of these delivered in rural, regional locations. Between 2019 and 2020, the INTREC national team delivered mechanical and electrical upgrades at over 47 regional Government schools across NSW and QLD as part of the Cooler Schools Program. We are continuing to rollout ALDI store refreshes and extensions, with more than 103 completed to date.

With projects often running concurrently, the success of the ALDI Project Refresh programme is a testament to our proficiency in managing multiple sites for a single client. It gives an indication of our capacity to deliver a high volume of projects in the far-reaching communities of NSW, QLD, ACT and VIC.

LOCAL BENEFITS

We're a national builder that genuinely values 'local'. Operating in regional locations such as Clinton and St George in Queensland, Dubbo and Wagga Wagga in New South Wales, Sale and Benalla in Victoria; we have an experienced team in some of the most regional locations of Australia.

Across regional and metro areas, we prioritise the use of local trades on every project we undertake and have developed a valuable regional subcontractor base.

We have found that sourcing local trades is advantageous to the local community and ensures that subcontractors have a vested interest in the project they are undertaking.

our capabilities



PROJECTS

We are proud to showcase a sample of our construction projects, which we have recently delivered nationally.

These projects are diverse, as are our skillsets, and includes multi-storey new build education facilities, complex healthcare environments and hospital facilities, architecturally designed large scale townhouse community developments, multi-site rollouts in regional and metropolitan areas and large multi-floor commercial fitouts.

We have an exceptional team that is experienced in managing live environments with a condensed programme, all while incorporating out of hours works and complex staging plans.

our capabilities



CONSTRUCTION PROJECTS

North Rocks Public School - NSW

As part of the \$6 billion Schools Infrastructure NSW (SINSW) upgrade program, INTREC were engaged as a Head Contractor by TSA Management at a Design and Construct capacity to undertake construction works at North Rocks Public School. Our experienced team has built this new structure from the ground up, creating a multi-storied complex that accommodate 15 new air-conditioned classrooms.

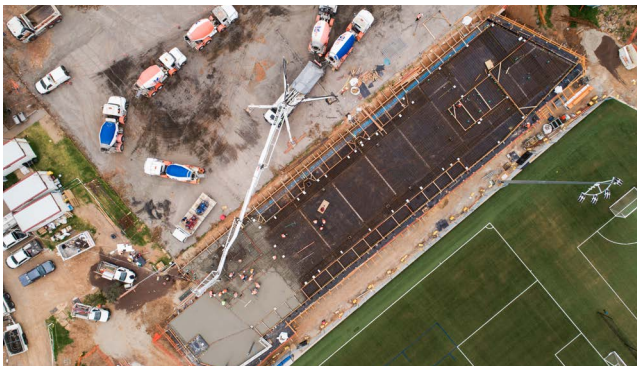
Constructed on the footprint of previously existing/demolished building, the new, three storey learning centre contains 15 flexible learning spaces and breakout practical activity areas. The design accommodated extensive landscaping features, including an AstroTurf sports court and outdoor learning spaces.

Essentia Townhomes - NSW

Mulpha Group (Mulpha) is one of Australia's most experienced real estate and hospitality investors, committed to creating extraordinary places. INTREC partnered with Mulpha to deliver a new generation of Luxury Townhomes to the Norwest district, 'Essentia'.

The new estate of medium density homes brings a level of complexity, individuality, elegance, and innovation to Sydney's Norwest District.

our capabilities



CONSTRUCTION PROJECTS

Victorian Tunnelling Centre - VIC

Funded by Rail Projects Victoria (RPV), North East Link and West Gate Tunnel, INTREC was engaged by Holmesglen Institute to undertake the construction of a world-class training facility at their Drummond Street Campus in Chadstone.

The Victoria Tunnelling Centre (VTC) is an Australian-first, providing Holmesglen with a state-of-the-art facility to educate and skill thousands of students in underground construction and tunnelling.

The project involved the construction, installation and commissioning of two full-sized replica tunnels within the new Centre, created to the exact specifications used by Melbourne's Metro Tunnel. The first of which is a replica tunnel, formed by a Tunnel Boring Machine (TBM), and the other a replica Mined Tunnel.

Monash University Northern Pavilion - VIC

Monash University is committed to offering outstanding sport facilities for club, varsity, social, and recreational activities on campus. As part of their long-term vision for sport at the University, INTREC were engaged to deliver the new Northern Pavilion project at the University's Clayton Campus.

The project scope includes the replacement of the existing Soccer and Tennis Pavilion with a new structure, servicing the tennis courts and new synthetic sport fields.

The new Pavilion will offer change rooms and equipment storage facilities on the Ground Floor and flexible function spaces, meeting rooms and viewing areas on the Second Floor. In addition to the new Pavilion, a major re-construction, upgrade, and expansion of eight Tennis Courts will be completed as part of the project.

our capabilities



SERVICES INFRASTRUCTURE

Maintaining and upgrading existing infrastructure that has reached or is nearing the end of its design life provides an ongoing challenge for all property owners.

Key to the reduction of running costs and the continued safety and comfort of building users, mechanical upgrades involve detailed planning and a high level of communication with all key stakeholders.

INTREC are particularly experienced in delivering mechanical upgrade projects within the education, commercial and industrial sectors. Often completed outside normal working hours, our in-house mechanical services team provide tailored design solutions for research and education laboratories, school classrooms, medical facilities and more.

Our ability to deliver mechanical upgrades via a niche procurement route is demonstrated through our ongoing involvement with New South Wales and Queensland State Government 'Cooler Schools Program' and highly complex laboratory projects at the University of New South Wales and RMIT University.

our capabilities



LABORATORIES

Our team is well-versed in delivering complex laboratories that require a strong attention to detail, high technical knowledge, and intricate programming. We are capable of providing laboratories under Design and Construct, Minor Works, Lump Sum/Construct Only and Construction Management contracts. We have delivered works across the education and health sectors for educational, research and medical purposes.

General works consist of the demolition of an existing teaching/laboratory space, including the removal of all services, followed by refurbishment and/or fitout. This often includes the installation of new equipment, services, mechanical works, and life safety systems that comply with the laboratory's specifications.

We have delivered Physical Containment (PC) Certified laboratories as well as ISO Clean laboratories, which require ISO clean rooms and extreme care during the construction process.

Over the years we have also delivered Dry Electronics, Wet Chemical, Electrochemical, Functional Coating Corrosion Science, Cell Culture Research, IVF Clinic, Chemistry and Physics Laboratories. Notably, we have completed over 20 highly complex PC1, PC2, ISO5, ISO6, ISO7 and ISO8 laboratories at the University of New South Wales in the past 10 years.

Our team understands the sensitivities required when operating within live environments, ensuring the project does not compromise any ongoing experiments in surrounding labs. Our vast expertise in delivering laboratories gives our team the ability to effectively manage challenges that arise throughout the construction process, including long lead times on lab equipment.

An important aspect of a laboratory project that is often overlooked until it is too late is the commissioning stage. This is why we assign a dedicated team to proactively manage all required commissioning through the use of a Commissioning Management Plan. This plan is submitted to all stakeholders on the first day of the project and discussed at each PCG to ensure all requirements are captured well in advance.

a year in the life



COVID-19 RESPONSE

2020 has tested our determination and showcased our ability to stay agile in an evolving industry. Over this time, we have pulled together as a community to support our staff, clients, contractors and broader network.

INTREC continue to adhere to Government guidelines and regulations in response to COVID-19. We understand that business continuity, value-engineering and timely project completion are key drivers for our clients during this difficult time. Our team is ready and capable as always to deliver outstanding interiors, refurbishment and construction projects in New South Wales, Victoria and Queensland.

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Our goal is to maintain our business, support our network and rise through the COVID-19 situation as better people and better operators.

SAFETY THROUGH COVID-19

Through the COVID-19 period and beyond, our first priority is the health and safety of our team. We understand that the 'small things' can often lead to significant implications, which is why we consistently campaign that 'Safety is Everyone's Business' at INTREC.

Our Compliance Team works meticulously to empower our people to maintain health and safety measures across our offices and construction sites. To do this effectively, we've adopted advanced technology and cloud-based software such as Hammertech, which has been revolutionary in streamlining processes and improving efficiency and accuracy. Most recently, Hammertech has aided our teams in implementing a touchless sign in procedure, ensuring the safety of all trade partners and personnel.

a year in the life



WELLBEING THROUGH COVID-19

At INTREC safety not only applies to being safe on a construction site, but encompasses all aspects of safety, health and wellbeing. We place a high level of importance on the wellbeing of our team and offer many resources, online learning platforms, and support networks surrounding our 4 Pillars of Wellbeing: Nutrition/Hydration, Exercise, Sleep, and a Positive Mindset.

Working in a deadline-driven industry, we invest in supporting our staff by developing an extensive Wellbeing program. Wellbeing has a large impact on performance and productivity in the workplace, and maintaining a healthy lifestyle supports all facets of life - including work - helping to manage stress and maintain positivity.

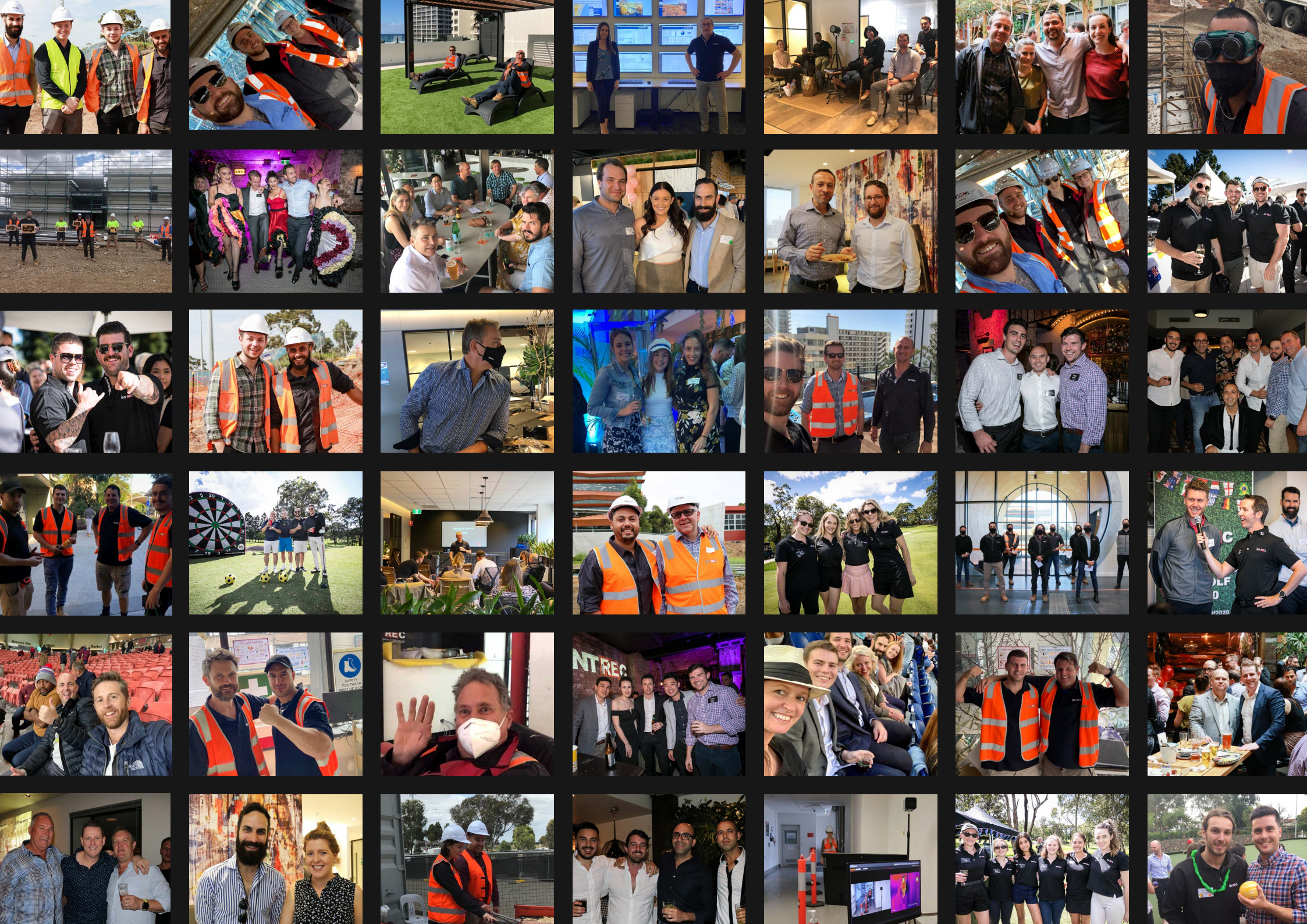
We actively show our support during the year for Mates in Construction and R U OK through hosting events such as our annual Golf Day to raise money for this worthwhile cause.

RESTORING COMMUNITIES

We are proud of the fantastic volunteer work from those in our team to restore communities affected by the bushfires earlier this year. As part of his work with the Australian Army Reserves, one dedicated member of our NSW projects team was able to work alongside BlazeAid to rebuild fences and clear debris from the fires that devastated rural communities in NSW.

"This really lifted the spirits of the local property owners, who felt abandoned since the fires in that particular area had hit last October. They really appreciated our help, which made the extremely hot and humid workdays a little easier to contend with," he said.





education

Featured Projects

Monash University Northern
Pavilion

North Rocks Public School

Prestons Public School

University of New South Wales
(UNSW)

University of Wollongong
Campus Wide TLS Upgrade

University of Technology
Sydney (UTS) Informal
Learning Spaces

Cooler Cleaner Schools
Program




INTREC




Photographer
Mike Jaballah

Monash University Northern Pavilion

 **Monash University**

 **Indec Consulting**

 **Croxon Ramsay**

 **GHD**

 **Lambert & Rehbein**

 **6,000m²**

Monash University is committed to offering outstanding sport facilities for club, varsity, social, and recreational activities on campus. As part of their long-term vision for sport at the University, INTREC were engaged to deliver the new Northern Pavilion project at the University's Clayton Campus.

The project scope includes the replacement of the existing Soccer and Tennis Pavilion with a new structure, servicing the tennis courts and new synthetic sport fields. The new Pavilion will offer change rooms and equipment storage facilities on the Ground Floor and flexible function spaces, meeting rooms and viewing areas on the Second Floor.

In addition to the new Pavilion, a major re-construction, upgrade, and expansion of eight Tennis Courts will be completed as part of the project.

Since our works began in late 2019, INTREC have successfully managed varying government COVID-19 rules and regulations, navigating material delays, personnel restrictions and implementing strict, daily hygiene measures.

A reduced campus population throughout this time has aided our onsite team in minimising disruptions to staff and students, enabling us to advance our programme on heavy civil works to the Tennis Courts.

Our team has also worked with the University and trade partners to address significant challenges surrounding unexpected ground conditions and wet weather whilst undertaking the Tennis Court Upgrade.

When complete, the Northern Pavilion will provide an accessible high-quality sports function space for staff, students, visitors and alumni, transforming the University's sporting precinct and contributing to its long-term vision for increased sporting activity at the campus.




INTREC




Images supplied
by JDH Architects

North Rocks Public School

 **Schools Infrastructure**
New South Wales

 **TSA Management**

 **JDH Architects**

 **Jones Nicholson**

 **3,000m²**

On behalf of Schools Infrastructure NSW (SINSW), TSA Management sought INTREC to complete the Design and Construction of major works at North Rocks Public School. Our team worked closely with client-side Project Manager TSA Management, and the School leadership team to deliver spaces that fulfilled the Client's needs.

The project was completed in two stages. The first stage included the refurbishment and extension of existing Administration Building, including a major services upgrade. The space accommodates state-of-the-art office spaces, meeting and interview rooms, as well as updated lunch facilities, featuring an indoor/outdoor barbeque area.

The second stage saw the construction of a three storey Learning Centre, containing 15 flexible learning and teaching spaces. New external hardscapes and softscapes were also completed, including an AstroTurf sports court.

Key challenges included working within a live school environment, which meant programming around the School holidays to ensure minimal disruptions to the daily operations.

Our team successfully handed over the Administration Building early and completed the Learning Centre ready for the return to school. The team received positive feedback from all stakeholders involved, creating an exciting, versatile learning space for the students and teachers.





Photographer
Murray Harris

Prestons Public School



Schools Infrastructure
New South Wales



GHD



Hayball



WSP



Morris Goding



Steve Watson & Partners



5,000m²

Schools Infrastructure NSW (SINSW) is currently conducting \$6 billion worth of upgrades within schools across NSW. This funding is set to deliver 170 new and upgraded schools, inclusive of the project recently delivered at Prestons Public School. INTREC were engaged by SINSW in a Design and Construct capacity to carry out two new build projects at Prestons Public School.

INTREC's team worked with GHD to manage the construction process, delivering contemporary and innovative structures for the School to utilise.

With innovation at the forefront, the first building includes 10 air-conditioned classrooms. The layout of this space was designed to create smaller areas within classrooms

for individual tutoring and small group tasks, as well as large integrated spaces exercising forward thinking design features.

Beginning in March 2019, this project was accompanied by the extension of a hall, administration facilities, a new library façade and landscaping works. Throughout the construction process, our team worked closely with GHD to drive the long programme through staging processes.

The hall extension included a new DDA compliant stage, curtain and storerooms, designed to blend in with the existing structure. INTREC installed a new Solar PV system on the roof of the hall, as well as a substation upgrade nearby, to facilitate the increasing energy demands of the School.

The administration building extension included new offices and workstations, as well as public and student foyers. Landscaping works were also completed outside the administration building to create outdoor learning and teaching spaces.

Our team effectively managed works within a live school environment, ensuring minimal disruption to students learning and the everyday operations of the School.

Despite the weather restrictions and other project challenges, INTREC delivered these spaces in time for the teachers and students of the School to start 2020 with new stylish, smart and state-of-the-art facilities.

UNSW KENSINGTON CAMPUS



UNSW PADDINGTON CAMPUS

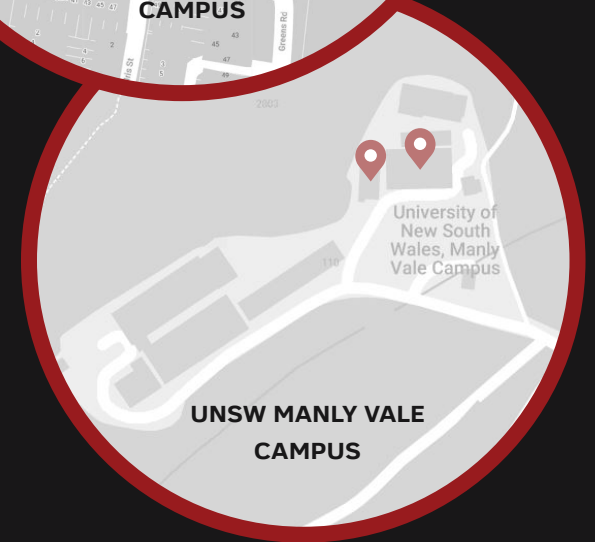


UNSW RANDWICK CAMPUS



University of
New South
Wales, Manly
Vale Campus

UNSW MANLY VALE CAMPUS



Completed between
2017 - 2020

University of New South Wales (UNSW)



University of New South Wales



Various



Various



2017 UNSW Most Valuable Consultant/ Contractor Award

The University of New South Wales (UNSW) was established in 1948 and is regarded as one of the world's leading research and teaching universities. INTREC has maintained an enduring presence at UNSW for over a decade.

With six offices scattered across the Kensington campus, INTREC has a full-time presence at the University, enabling our highly efficient and knowledgeable team an invaluable understanding of the campus'.

INTREC has delivered projects both big and small within UNSW's built environment. In 2020 alone, we have delivered over a dozen projects for the University, totalling over 200 projects since 2008.

Various works have been delivered at the University over the last year, from new wayfinding signage installed across the Kensington Campus, to enabling works at the Manly Vale Wave Paddle Laboratory, as well as multiple other interior refurbishments delivered across the campus.

Works at the Biolink E25 Building were conducted, installing new vinyl flooring to the corridors from Levels 1 to 5, as well as the demolition of an existing laboratory space to be converted to an open office space with new kitchen and updated services.

Additional services upgrades have also been conducted across the campus over the year, such as updated base build services, fire compliance works, and various mechanical, electrical, and hydraulic services upgrades.

A large portion of our works at UNSW consist of services and laboratory upgrades. These projects require a high level of care and detail during the construction process, to ensure no disruptions are caused to ongoing experiments. This year, our team were engaged to upgrade the F25 Biomedical Level 4 PC2 laboratory to meet pressurisation requirements. Mechanical services were successfully updated in order to make the laboratory PC2 compliant.

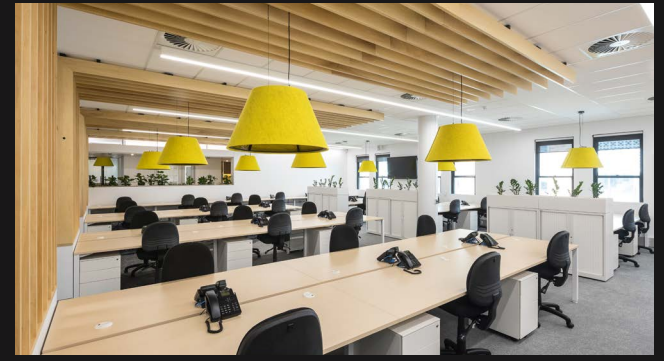
In 2017, INTREC were awarded the "Most Valuable Consultant/ Contractor Award" as a testament to the capabilities of our highly committed team, who consistently work with the University to deliver high-quality projects.



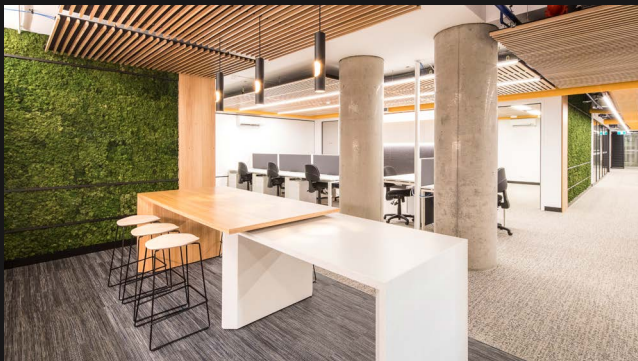
UNSW - St George Medical Research Facilities



UNSW - H6 TETB



UNSW - E15 Level 1 DEX



UNSW - H13 Built Environment Research Labs



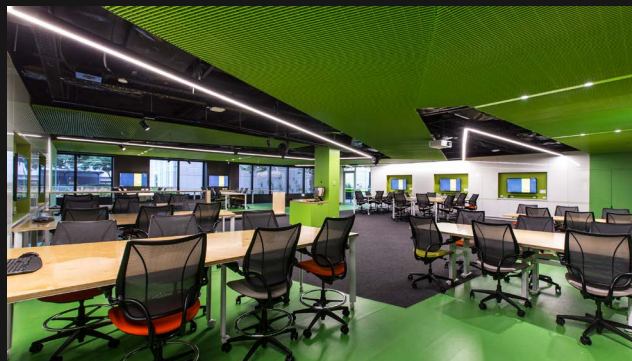
UNSW - E12 and E15 Teaching Precinct Stage 2



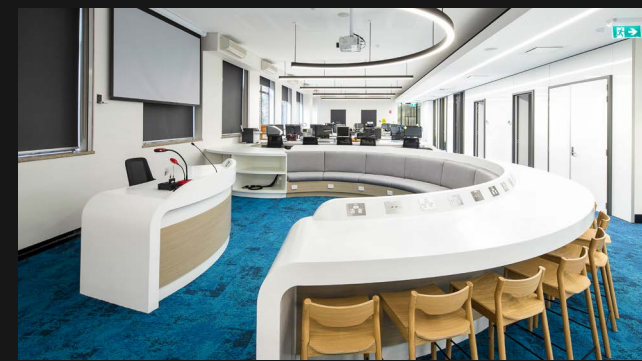
UNSW - CQC2T Lab Expansion



UNSW - E12 and E15 Teaching Precinct Stage 2



UNSW - Flip



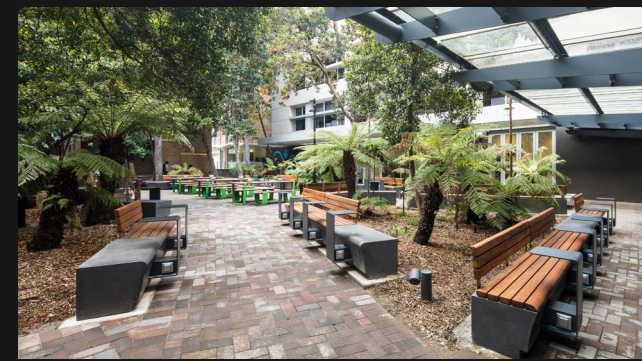
UNSW - K15 Higher Year Physics Lab



UNSW - CQC2T Lab Expansion



UNSW - OMB Lecture Theatre



UNSW - E12 and E15 Teaching Precinct Stage 2



INTREC

Assisting UoW to reach approximately 1 million kilowatt-hours per year in renewable energy

University of Wollongong Campus Wide TLS Upgrade



University of Wollongong



RPS Project Management



Northrop Consulting Engineers

The University of Wollongong (UoW) is one of the world's top modern universities, offering excellence in teaching, learning, and research. UoW sought INTREC to facilitate the Design and Construction of a campus-wide Thermal, LED and Solar PV (TLS) Upgrade.

The TLS Upgrade is comprised of several major mechanical upgrades, LED lighting retrofit projects and Solar PV systems installed across campus.

The delivery of Stage 1 commenced in early November 2018, with the remaining projects of Stage 2 completed in early 2020. In total, 16 Solar projects were completed, with an additional 14 LED projects and 7 full building Thermal Upgrade projects delivered across Stage 1 and 2 of the works.

INTREC completed detailed non-invasive and invasive investigations in early August 2019 to commence the design for the Thermal Upgrade projects. Working with Northrop Consultants, INTREC provided UoW with a series of design deliverables, from Building Inspection Reports to Schematic Design Reports and finally, Request for Tender Packages.

A high level of coordination was required to facilitate the retrofit install of mechanical services. INTREC and UoW worked collaboratively to ensure the maximum amount of works could be completed during the end of semester breaks, a substantially quieter period on campus. This required increased coordination and management to facilitate the works, whilst mitigating risks to building users to enable business continuity.

All upgrades carried out across 19 buildings over 18 months, were successfully delivered to a high level within the live University campus. The coordination of invasive works within a fully occupied building, required an intricate level of management both prior to, during and following the delivery of the project. Additionally, coordinating construction works, whilst holding the health and safety of the building users at the forefront was seen throughout the delivery of all projects.


INTREC's collaborative approach allowed for a strong partnership to be formed with INTREC and UoW. As part of UoW's innovative and sustainable Master Plan, this two-stage upgrade is set to reduce the University's energy consumption by 20% over the next 15 years.






Photographer
Murray Harris

University of Technology Sydney (UTS) Informal Learning Spaces

 **University of Technology (UTS)**

 **University of Technology (UTS)**

 **BTK Architecture**

 **1,200m²**

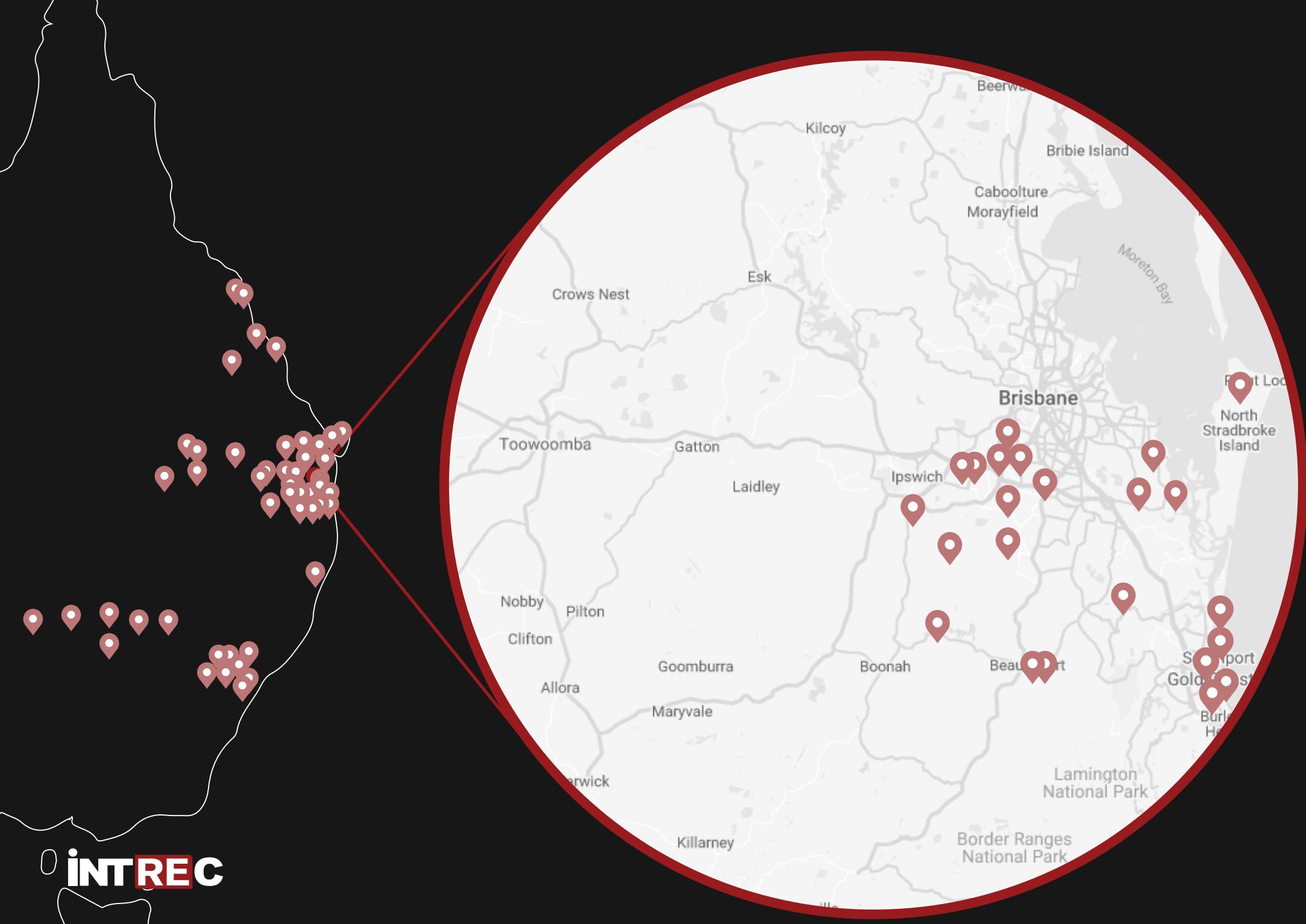
With a total of 44,000 Students, The University of Technology Sydney (UTS) is one of the largest universities in Australia, spanning across three building clusters within Sydney's CBD.

Since our initial inclusion onto the Building Panel in 2011, INTREC has completed multiple projects at the Broadway, Haymarket, and Black friars Precincts.

In October 2019, UTS engaged INTREC to undertake an upgrade of various existing student spaces in Building 5 of their Ultimo Campus. The upgrade consisted of new floor finishes, addition of acoustic feature ceiling, acoustic wall panels, and installation of high-quality new furniture. The concrete ceiling was left exposed to establish a more comfortable and informal environment.






Carried out within a programme of 4-weeks, the project was conducted in an efficient manner, ensuring minimal disruption to the daily operations of the building. This efficiency enabled the works to be delivered in time for the first semester of 2020.

INTREC regularly consulted with the Client, and remained responsive to their needs throughout the life cycle of the project. This approach allowed many successful outcomes, and we are proud to continue building the professional relationship we have formed with UTS since our conception into the Building Panel. This revitalised space will create an opportunity for students to be more productive, whilst ensuring they have a place to unwind and collaborate with peers.



1910 Air
conditioning Units
installed across 47
schools

Cooler Cleaner Schools Program

	NSW Schools Infrastructure	The necessity for the next generation of students to be able to concentrate in a comfortable learning environment has been identified by both the Queensland and New South Wales State Governments as essential in achieving positive learning outcomes.	a quality result consistently delivered on time.	The team conduct the work in one building at a time as a means of staging the project. Cranage exclusion zones, working in extreme weather and Class A asbestos removal are risks that our team are well-versed in mitigating over seven years of Cooler Schools experience.
	QLD Department of Education		The air conditioning component of the works includes the removal of the existing evaporative coolers and the installation of energy efficient systems, comprising of split systems, cassette units, evaporative coolers, under-ceiling units and the installation of CO2 sensors and external controls.	INTREC understand the importance of developing working relationships with local contractors and suppliers to minimise lead times and value-engineer each Cooler School project. In doing so, we have built up a community of reliable, quality regional subcontractors and provided countless local employment opportunities.
	Various		The works often include electrical upgrades, which requires the replacement of switchboards, fans, the main distribution board of the building and the installation of a pad-mount transformer.	
	Various			
	Various	With over \$600 million committed to the delivery of priority state school air conditioning projects in New South Wales and Queensland combined, INTREC have delivered building services and replacement projects at 47 State Schools within the last 12 months.	For every Cooler School project, consideration is given to ensure minimal disruption to the school, which often remains occupied for the duration of the project.	
		Over the course of these projects, INTREC have developed extensive experience in delivering projects via a niche procurement route, offering value for money and		

aged care and retirement

Featured Projects

Brentwood Retirement Village

Emmy Monash Aged Care

Little Bay Retirement Village

Opal Aged Care Rollout and
Facility Upgrade

INTREC are currently partnering with a number of aged care health market leaders, offering aged care, assisted living, independent living units and community centres within their facilities. We are currently assisting these clients to add major new build infrastructure additions and refurbishment improvements to their new and existing portfolios. Our understanding of the challenges associated with these projects in this period of significant change, coupled with our experience to date, appreciate that the new environment is the minimum requirement going forward.

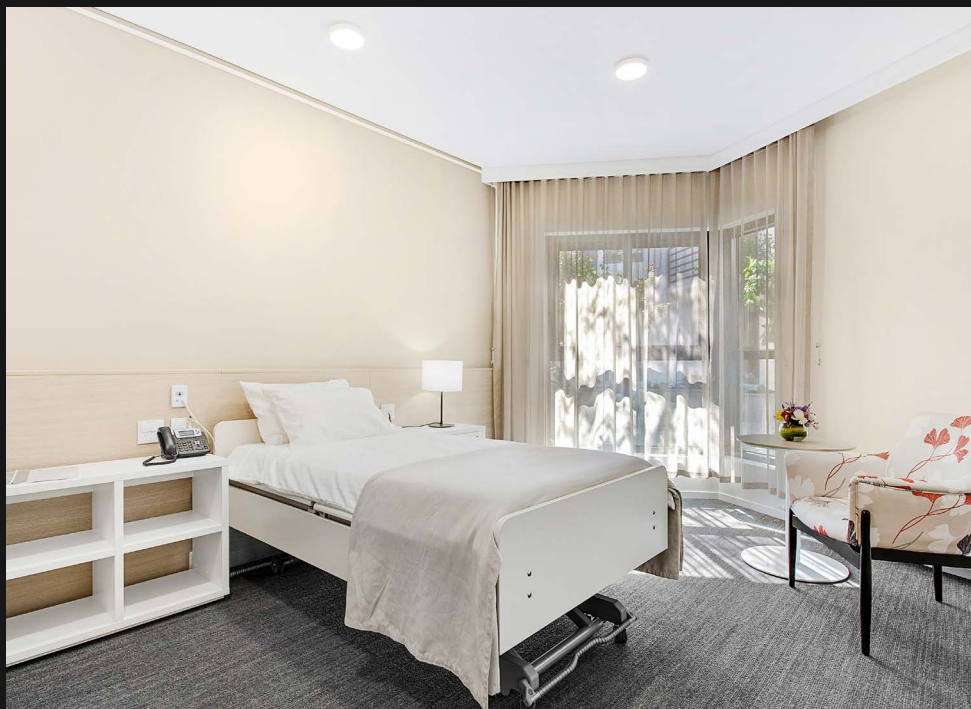
INTREC are acutely aware that in partnering with these key providers, we are not just working in a building environment, but are delivering works in sensitive spaces within the everyday homes of residents. We acknowledge that while we are working to deliver an improved environment, we also have a responsibility to maintain the enjoyed use of all facilities by residents, staff and their families.

We believe projects within the aged care and retirement sector can be some of the most challenging, necessitating careful management of infection control, the sensitivity of residents, various project stakeholders and critical milestone dates.



Project
Brentwood Retirement Village

Photographer
Murray Harris



Project
Emmy Monash Aged Care



Photographer
Chris Sanos



Project
Little Bay Retirement Village



Photographer
Murray Harris



Project
Opal Aged Care Rollout and
Facility Upgrade



Photographer
Murray Harris

health and medical

Featured Projects

Dandenong Hospital MRI and
CT Redevelopment Stage 1

Waratah Private Hospital

West Gippsland Hospital Short
Stay Unit and Third Operating
Theatre





Photographer
Chris Sanos

Dandenong Hospital MRI and CT Redevelopment Stage 1



Monash Health



Monash Health



Vincent Crisp Architects



Waterman AHW



530m²

Monash Health is Victoria's largest public health service, providing more than 250 uniquely integrated community and hospital-based services, focusing on improving the health of the community.

INTREC were engaged by Monash Health to deliver the redevelopment of the Dandenong Hospital MRI and CT scanner facilities. Carried out in two stages, the first stage involved the construction of a CT Facility to allow for a new MRI machine. The second stage, which is currently being delivered, includes the placement of the MRI, new fire compartments, lead lining surrounding the CT scanner room and RF shielding to the MRI scanner room.

Located in a central part of the Hospital, our area of works have been completely surrounded by live hospital operations, and all works carried out within business hours. Our site team and trade partners are required to share common areas with Hospital patients, staff, and visitors.

During Stage 1, INTREC successfully implemented various strategies to manage our impact on the Hospital, including the construction of an acoustic-insulated room to suppress high-level noise, as well as extraction systems to ensure odours were not passed into the nearby Staff Offices and Acute Assessment Ward.

Our team also undertook the removal of existing concrete from within the internal site,

by carefully coordinating trades at staged intervals and reducing the effects of dust to patients and staff.

Stringent infection control and COVID-19 hygiene measures such as airlocks, sandwich panel hoarding, dust-sealing, touchless sign-in procedures, hand washing stations and boot dip mats were used throughout the duration of the works to ensure the safety of all Hospital staff, patients, visitors and our trade partners.


Our project team maintained frequent and clear communication with all project stakeholders, including Monash Health staff and security, with frequent spot checks completed by the Hospital's Infection Control team.






Photographer
Murray Harris

Waratah Private Hospital

 **Evolution Healthcare**

 **Silver Thomas Hanley**

 **LEHR Consultants**

 **6,850m²**

Waratah Private Hospital is committed to driving excellence in the care and recovery of their patients.

INTREC have transformed Waratah Private Hospital through multiple stages of construction and fitout.

Waratah Private Hospital started as individually operated medical consulting suites, then INTREC transformed it into two full floor 34-bed Surgical Recovery and Rehabilitation Wards, a commercial kitchen, hydrotherapy pool, amenities, and gymnasium.

In addition to this, INTREC refurbished the Hospital's café, main lobby and reception, and multiple medical suite fitouts throughout the remaining four floors.

This project involved two 34-bed Surgical Recovery and Rehabilitation wards on Levels 4 and 5 while the Hospital was still operational. Both floors included state-of-the-art private bedroom suites, rehabilitation suites and high dependency bedrooms. The facility was completed to meet NSW Ministry of Health accreditation.

The next stage involved the fitout of the staff base, waiting area, single & double bedrooms, high dependency bedrooms, bedroom and bariatric ensuites, clean and dirty utility rooms, equipment store rooms, write ups, staff/pantry room and medical FF&E through two floors.

The following works included a Design and Construct construction of a hydrotherapy pool over an active dock, within the Hospital's live environment, as well as a rehabilitation gym. The gym involved the merging and transformation of two vacant tenancies on the upper ground floor into one large 350sqm gym.






Our works at the Hospital have provided an active environment for its users, helping to rehabilitate and keep patients motivated throughout their hospital care.





Photographer
Chris Sanos

West Gippsland Hospital Short Stay Unit and Third Operating Theatre

-  **West Gippsland Healthcare Group**
-  **Johnstaff**
-  **Lyons Architects**
-  **Waterman AHW**
-  **Meinhardt**
-  **1,100m²**

Johnstaff Projects engaged INTREC to deliver the construction of a new eight bed Short Stay Unit (SSU), Third Operating Theatre (TOT) and 50-bay car park, as well as the design and implementation of a new Nurse Call System at Warragul Hospital, located in regional Victoria.

Constructed on concrete columns, with a suspended concrete slab and steel structure above, the Short Stay Unit saw the delivery of eight short stay beds, a staff base and offices. Extensive external car park works were also undertaken in front of the existing hospital building, creating more efficient access for the growing number of patients and visitors at the Hospital.

The Third Operating Theatre was built over three levels, inclusive of a Third Operating Theatre and a plantroom, constructed in conjunction with an anaesthetic bay, set-up bay, equipment bay and new offices.

Working within a live hospital environment was a considerable risk throughout the project's duration. This environment highlighted the importance of clear and concise signage, frequent communication with patients, staff and visitors, as well as the significance of stringent traffic management implementations when working adjacent to an ambulance bay.

The construction of the SSU and TOT has met the increasing demand for elective and emergency surgery

from the growing Gippsland population; expanding capacity, improving efficiency and reducing waiting times for treatment.

Recognising the need for local employment in Warragul was a vital part of acknowledging our responsibilities as a building partner on this project. Local subcontractors not only provide a wealth of knowledge to our regional works, but they are familiar with the surroundings and the local suppliers and businesses.

INTREC are proud to have been a key player in the development of these health facilities to the Warragul community, in an upgrade that will continue to benefit the patients and staff of the Hospital for many years to come.

hotels and hospitality

Featured Projects

Pullman Melbourne on
the Park Main Works
Refurbishment

Mantra on View Podium
Refurbishment

Radisson Blu Plaza Hotel

3001

3001

iNTREC





Photographer
Chris Sanos

Pullman Melbourne on the Park Main Works Refurbishment

 **QM Pegasus**

 **Macroplan**

 **DKO Architecture**

 **Stantec**

 **15,000m²**

The Pullman on the Park Hotel is located adjacent to the iconic MCG, with spectacular views of Melbourne. This project entails the complete refurbishment of 419 Guest rooms including the Executive Suites and the William Clarke Suite. In addition, the refurbishment extends across the Lobbies, Corridors and Executive Lounge with an extensive upgrade to perimeter windows and base-build services.

Initially INTREC was engaged by Macroplan on behalf of QM Pegasus (Building Owner), to complete one prototype Guest Room. During this process INTREC worked closely with the entire stakeholder team and consultants to understand the project outcomes, site constraints and owners' key requirements.

This led to INTREC proposing and demonstrating the merits of a true Early Contractor Involvement (ECI) process to allow the Owner's complete transparency throughout the design process whilst qualifying cost and scope, defining a construction programme that suited the Hotel operations and introduced buildability principles.

The ECI process allowed all stakeholders to be actively involved in the front end of the project with confidence around maintaining the design integrity and providing certainty around Cost, Time and Quality.

This project is a huge success on process, being underpinned by an

experienced construction delivery partner, and over the coming months will continue to demonstrate the merits of engaging a competent contractor at the early stages of a project.

In addition, 2020 is perhaps the most challenging year ever to undertake extensive building works, not to mention overseas procurement.

The above model has allowed the project to continue through the COVID-19 restrictions and is currently on schedule for completion mid-late 2021.

This is truly an iconic project, that will transform The Pullman on the Park Hotel back to its former glory of a 5-Star luxury Hotel.



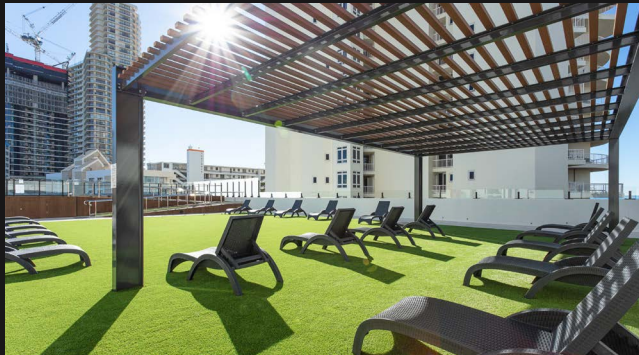
Photographer
Chris Sanos



Photographer
Chris Sanos








iNTREC



Photographer
Andrew Carter

Mantra on View Podium Refurbishment

-  **Mantra Group**
-  **Integrity Project Management**
-  **Mode Design Corp**
-  **ADG**
-  **600m²**

Located in sunny Surfers Paradise in Queensland, Mantra on View is a Hotel positioned just 160m from the beach and offers accommodation, a gym, conference spaces, restaurant facilities and a rooftop deck overlooking the ocean. The Body Corporate for Silver Sea Resort & Spa identified the need to undertake a full refurbishment of the existing facility.

INTREC was engaged by Integrity Project Management on behalf of Mantra Group for the Design and Construct of an external entertaining area as part of the full hotel redevelopment. The existing tennis court was to be replaced with the Design and Construct of an area for spa pools and sunbathing, including an amenities and storage block.

The project scope included the demolition of an existing tennis court area, slab grinding and waterproofing of the entire area. This made way for a raised deck area which surrounds four swim spas. Enveloped by external glass balustrading and covered by a shade structure and privacy screen, these elements created a sense of privacy without impeding on the surrounding ocean views. Plush artificial grass and paved areas were created, along with a new amenities block, storeroom, large dividing wall and entry gate. Our team also installed new fire services, with the entirety of the project delivered in an occupied, fully operational Hotel environment.


The project was delivered on time and within the original budget, which resulted in a positive relationship with the superintendent Integrity Project Management and Mantra Group, our Client.





Photographer
Murray Harris

Radisson Blu Plaza Hotel

 **Radisson Blu**

 **Gallagher Jeffs**

 **Bates Smart**

 **Electro Light**

 **550m²**

Located at 27 O'Connell St Sydney, the Radisson Blu Plaza Hotel is a world-class venue in a world class location. The building's origins date back to the 1850's when it was home to newspaper moguls John Fairfax & Sons publishers, and today holds significant historic value in the Sydney landscape.

INTREC's upgrade to the ballroom and function centre proved to be a challenging project in an occupied space, particularly as the venue can accommodate over a 1,000 guests at any one time.

INTREC successfully managed to integrate innovation, style and class within the project over a 7-week period.

The programme was dominated by a significant joinery and flooring package, though the real challenge was integrating a complex lighting system into an already shaped space.

rail and transport

Featured Projects

Victorian Tunnelling Centre

Ballarat Line Upgrade






Photographer
Mike Jaballah

Victorian Tunnelling Centre

 **Holmesglen Institute**

 **Rezac Project
Management**

 **Grimshaw**

 **AJM Joint Venture**

 **1,700m²**

Funded by Rail Projects Victoria (RPV), North East Link and West Gate Tunnel, INTREC was engaged by Holmesglen Institute to undertake the construction of a world-class training facility at their Drummond Street Campus in Chadstone.

The Victoria Tunnelling Centre (VTC) is an Australian-first, providing Holmesglen with a state-of-the-art facility to educate and skill thousands of students in underground construction and tunnelling.

The project involved the construction, installation and commissioning of two full-sized replica tunnels within the new Centre, created to the exact specifications used by Melbourne's Metro Tunnel.

The first of which is a replica tunnel, formed by a Tunnel Boring Machine (TBM), and the other a replica Mined Tunnel. Features of the Mined Tunnel include high capacity drainage to allow simulated shotcrete operations as well as a cross passage, allowing specific safety training to be undertaken within a controlled environment.

Additionally, two multi-purpose engineering workshops were constructed, along with front of house facilities including amenities and an entrance hall.

The Centre was constructed adjacent to a high-voltage pole farm, which required special inductions and permits for works extending the site boundary.

Other significant challenges included the live environment in which the works were delivered in, as well as extensive traffic management required to bring large equipment, plant and materials into site, without impacting students and staff.

INTREC is proud to have been involved in the delivery of this project, which will not only support Victoria's growing construction and engineering industry but also play a crucial part in the delivery of Victoria's future pipeline of infrastructure projects.



Photographer
Mike Jaballah



Photographer
Mike Jaballah





iNTREC



Photographer
Chris Sanos

Ballarat Line Upgrade



**Coleman Rail and
Lendlease Engineering**



Kyriacou Architects

In the 2017-2018 budget, the Australian Government established the \$10 billion National Rail Program, a major, long-term commitment to invest in passenger rail networks in our big cities, and between our cities and their surrounding regional centres.

The 10-year National Rail Program is designed to help make our cities more livable and efficient as the population expands; providing reliable transport networks and supporting our efforts to decentralise our economy. In the 2019-2020 budget, the Government allocated \$2 billion to the development of the fast rail project, running between Geelong and Melbourne.

INTREC were engaged by Coleman Rail and Lendlease Engineering, along with Kyriacou Architects to deliver various building refurbishments at Maddingley House, Toolern Station and Rockbank Station, as part of the Ballarat Line Upgrade Major Works Project in Victoria.

Works on Rockbank and Toolern include the internal refurbishment of the stations' PSO spaces, public and PSO bathroom facilities, ticketing areas, waiting areas and comms room. INTREC successfully arranged the completion of a central induction process for all site personnel, in line with Ballarat Line Upgrade's strict requirements.

Maddingley House comprised of a full internal refurbishment of offices situated within two newly constructed buildings. These open plan offices contained staff amenities, utilities, storage and training facilities.

Requiring the procurement and installation of environmentally friendly and sustainable materials, Maddingley House achieved a five-Green Star rated certification.

Coordination and the proactive facilitation of trade partners as well as extensive administration requirements, called for high levels of organisation between our own internal project team. INTREC were communicative with the Client in our approach to potential project risks.

childcare

Featured Projects

Kids Club Childcare Rollout

Goodstart Early Learning

We have delivered many inspiring and creative early learning spaces over the past few years for numerous leading childcare providers, specifically to the requirements of their brand and bespoke needs.

Keeping health and safety in design and delivery at the forefront, INTREC's experience delivering early learning and childcare centres for multi-facility providers such as Goodstart Early Learning and Kids Club Childcare as well as other independent operators, has developed our understanding and appreciation for unique deliverables when working in an environment that caters for young children. This includes a clear and unambiguous understanding of the specific business requirements and the key drivers in quality, safety, statutory regulatory obligations state by state and financial ROI constraints.

Key challenges include ensuring the design and construction is compliant, inviting, a best use of space and provides the ideal early learning and nurturing environment for the staff and children.



Project
Kids Club Childcare

Photographer
Murray Harris



Project
Kids Club Childcare



Photographer
Murray Harris



Project
Goodstart Early Learning



Photographer
Scott Adams



Project
Goodstart Early Learning



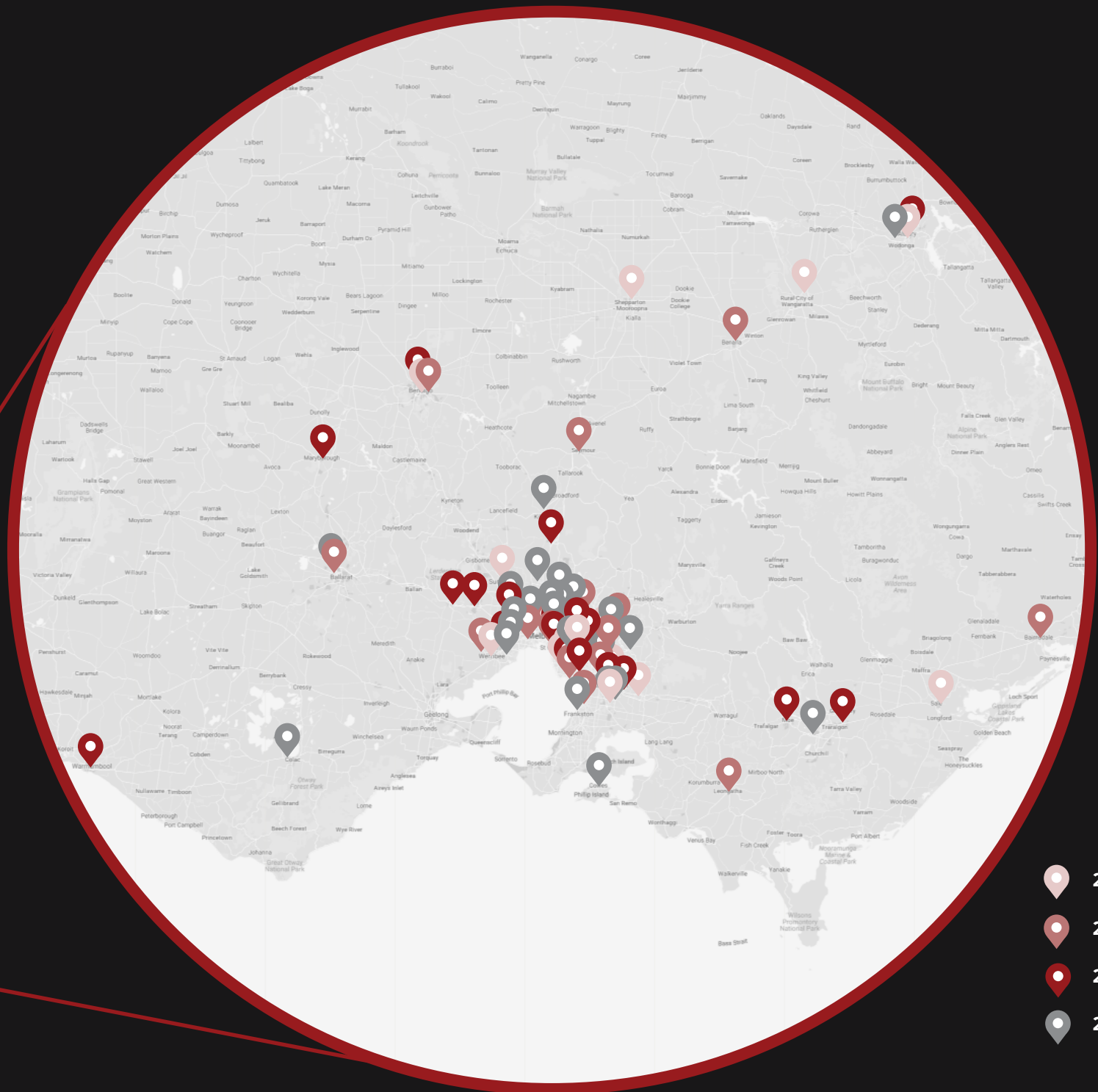
Photographer
Chris Sanos

retail

Featured Projects






ALDI Refresh Rollout

InvoCare Funeral Homes
Rollout



103 projects
delivered across
four states between
2017-2020

ALDI Refresh Rollout

-  **ALDI**
-  **Various**
-  **Various**
-  **Various**
-  **2019 Victorian AIB PEA
Professional Excellence
in Building Award**

ALDI's strategy to refurbish the majority of its stores into the new 'Fresh' format commenced in 2017. Developed around ALDI's objective to align all stores in the nation with the current design, the 'ALDI Project Refresh' program is designed to standardise ALDI's national brand presence.

Engaged as the Head Contractor, INTREC have partnered with ALDI since 2017 to deliver refurbishment projects across Victoria. Between 2017 and 2020, INTREC have successfully delivered various works at 93 ALDI supermarkets around regional and metropolitan Victoria; from Portland, Traralgon, Ararat and Echuca through to Bairnsdale, Epsom, Sale and Benalla.

Each project generally consists of a staged refurbishment including demolition works, extensive structural works, new flooring, ceiling, lighting and wall panelling, along with electrical, data, security, mechanical, refrigeration and hydraulics upgrades. New joinery, workstations and new or refurbished registers are also installed.

The prominent challenges across the ALDI Rollout projects is the compressed programme and management of materials and equipment procurement. Each store is completely defit and refit within nine to fifteen days, often implementing split shifts over a 24-hour live programme.

Our ALDI team has developed streamlined management processes for the rollout projects. With multiple ALDI projects often running concurrently, precise planning and safety management are paramount to our team's success.

Guaranteeing efficient handovers and stakeholder satisfaction, our dedicated retail team has continued to grow, with additional ALDI projects outside of the Refresh Rollout such as extensions, retrofits and fresh-to-fronts now being delivered across Victoria, New South Wales and Queensland.



Photographer
Lucy RC
Photography



Photographer
Chris Sanos




Photographer
Chris Sanos



Delivering shop fronts
and funeral homes
across New South
Wales, Victoria and
Tasmania

InvoCare Funeral Homes Rollout

 **InvoCare**

 **APP Corporation**

 **Various**

 **Various**

 **22,000m²**

InvoCare is an international company that operates funeral homes, cemeteries and crematoria around Australia, New Zealand and Singapore.

Since 2017, INTREC has delivered a rollout of refurbishments for multiple shop fronts and funeral homes across New South Wales, Victoria and Tasmania.

Working alongside InvoCare and APP, these projects are delivered with consideration of the Client's design needs, facilitating future-proofing space requirements.

The general scope of works includes the demolition of light partition walls, the addition of new windows to allow more natural lighting, new arrangement rooms, reception areas, refurbished chapels and upgraded staff areas.

Extensive lead times for furniture and light fittings are considered throughout the programme. Communication between suppliers, InvoCare and APP is therefore critical for the early procurement of the products.

Most recently, INTREC was engaged as the Head Contractor to deliver a project for InvoCare Bankstown NSW, working alongside APP to deliver a space fit for funeral planning and funeral services.

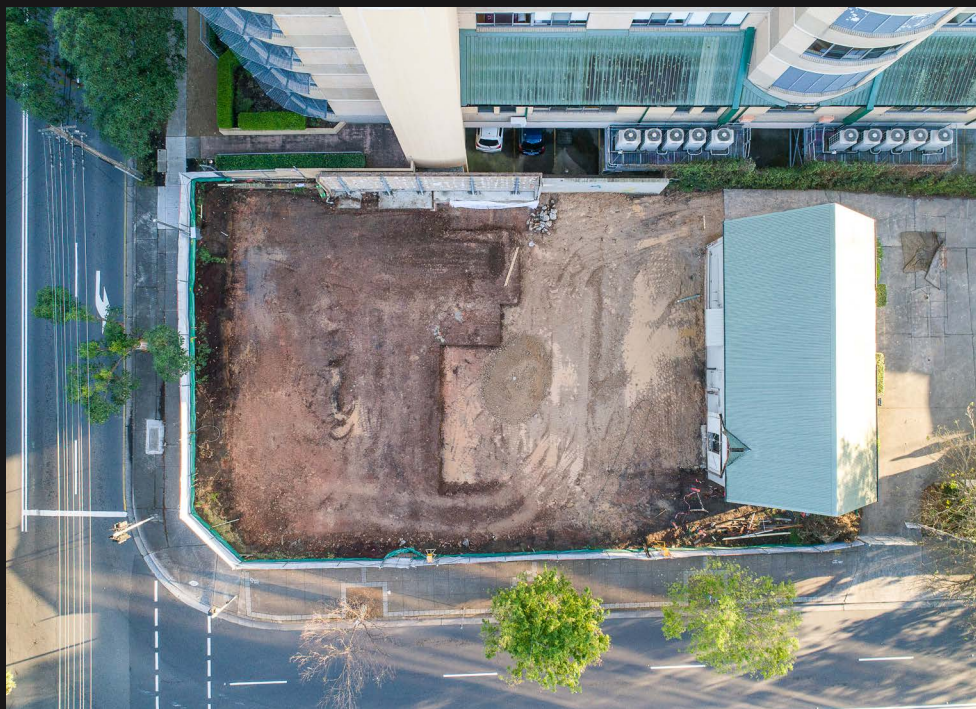
This project consists of two main elements: the construction of an extension to the existing facility, as well as the refurbishment of the existing structure.

The scope includes the demolition of the existing structure back to the substrate, to make way for the construction of a new funeral home.

This new facility will contain staff amenities, meeting rooms, a cool room and function spaces. The existing chapel building will be retained and refurbished, featuring new fixtures and fittings for funeral proceedings.



Photographer
Murray Harris



Photographer
Murray Harris



industrial

Featured Projects

Bankstown Airport
Development

GPC Asia Pacific Head Office

Newborn and Paediatric
Emergency Transport Service




Bankstown Airport Development




Photographer
Murray Harris

 **Bankstown Airport Limited**

 **Various**

 **Various**

 **Various**

Bankstown Airport was established as Sydney's second aerodrome as an Airbase in 1939, with the commencement of WWII. The site holds Heritage significance status, arising from the site's association with the manufacture and testing of aircraft and components during WWII and in the following peacetime expansion.

Bankstown Airport is considered a major airport and business location, facilitating approximately 250,000 aircraft movements annually, and accommodating over 160 tenants across the precinct.

INTREC has been an active Head Contractor at Bankstown Airport since our initial engagement in 2017, with projects currently being undertaken for Bankstown Airport Limited C/- Sydney Metro Airports.

INTREC has successfully completed a range of projects at the Bankstown Airport Site, including:

- Factory Upgrade and Refurbishment to accommodate the Newborn Emergency Transport Service (NETS)
- Compliance Upgrade and Re-Roof Project (Building C)
- HVAC Upgrade and Re-Roof Project (Building E)
- Amenities Refurbishment and Façade Upgrade Project (Building C)

INTREC have become accustomed to the strict guidelines and protocols required when working at Bankstown Airport, including height restriction on access equipment, dust and debris management, heritage considerations and ensuring security to the airport is maintained at all times.

Our high standard of care in delivering projects of such a stringent nature, has been a contributing factor to our repeat business at the Bankstown Airport Precinct.

Since 2017, INTREC has strengthened our relationship with Bankstown Airport Limited/Sydney Metro Airports, and we will continue to provide this high-quality service for many years to come.



INTREC



Photographer
Andrew Carter

GPC Asia Pacific Head Office

 **GPC Asia Pacific**

 **GPC Asia Pacific**

 **IA Group**

 **EMF**

 **23,000m²**

GPC Asia Pacific is the parent company of Repco and their numerous motor vehicle associated sub-companies. INTREC were engaged by GPC Asia Pacific to carry out the fitout of their new Asia Pacific head office and distribution centre in Brisbane.

The office works entailed building new corporate offices, utilities, an open plan workspace to cater for in excess of 130 employees, reception area, large communications room, industry specialty rooms, and a new invigorating internal and external staff break out space.

Works to the 23,000m² distribution centre included the installation of new racking, and the construction of an 8,000m² mezzanine level.

Extensive fire services works were also undertaken, with over 1,800 sprinkler heads installed, covering every rack throughout the warehouse.

The project was highly complex due to the size of the warehouse, which required significant consideration in regards to the data runs and the fall in waste pipes.

All works were certified by a BAC (Brisbane Airport Corporation) certifier, as well as the usual QBCC certification, to ensure that the installed plants were as per the BAC guide.







Photographer
Murray Harris

Newborn and Paediatric Emergency Transport Service

 **NSW Health**

 **Martin & Ollmann**

 **WSP**

 **3,150m²**

INTREC was engaged by NSW Health to relocate the existing Newborn Emergency Transport Service (NETS) facility from its existing location within Westmead Hospital, to a new facility located at Bankstown Airport.

NETS wanted to maximise the opportunity for collaboration, efficiency and flexibility for the future. This project therefore consisted of a refurbishment to the existing building services and the installation of new services required to meet the specific need of the NETS team.

Including the refurbishment, INTREC constructed a new opened aired carpark for NETS staff and visitors, including building covered parking to facilitate the ambulance bay and equipment.

The existing building was located on the boundary of a 24-hour operational airport, with the rear of the building being classified as airside. INTREC had to adhere to Bankstown Airports strict guidelines when working within this environment, which included height restriction on cranes, dust management, sediment control and ensuring security to the airport was always maintained.

The main feature of the project was adapting the building with all existing external elements required to be upgraded, to achieve an extremely high acoustic rating due to the nature of the work of NETS. This project demonstrates INTREC's ability to deliver a valuable facility in a high-security area.

commercial

Featured Projects

GHD Piccadilly Multi-staged
Office Fitout

Aboriginal Housing Victoria
Workplace Refresh

Cummins South Pacific

Mott MacDonald Kent Street





Photographer
Murray Harris

GHD Piccadilly Multi-staged Office Fitout

-  GHD
-  GHD
-  GHD
-  GHD
-  3,700m²

GHD is a world leader in professional services operating in the global market sectors of water, energy and resources, environment, property and buildings, and transportation. GHD were seeking a modern, sustainable, and digitally enhanced office space to complement its collaborative and diverse workplace culture. INTREC were engaged to conduct the three-staged interior refurbishment across Levels 12, 14 and 15 of GHD's existing office space, located on Castlereagh Street of Sydney's CBD.

This office refresh included the demolition of the existing fitout and complete services upgrade across the three stages. Level 15 was delivered in Stage 1, Stage 2 saw the completion of Level 12, and Level 14 was completed during Stage 3.

The interior refurbishment included new open workstations, meeting rooms, quiet rooms, utilities, kitchenettes and break out area, along with reception and waiting spaces.

This project has created a detailed and high-end office space for GHD employees, and contains many architectural finishes and features including perforated timber ceiling, sprayed acoustic finishes and bolon vinyl.

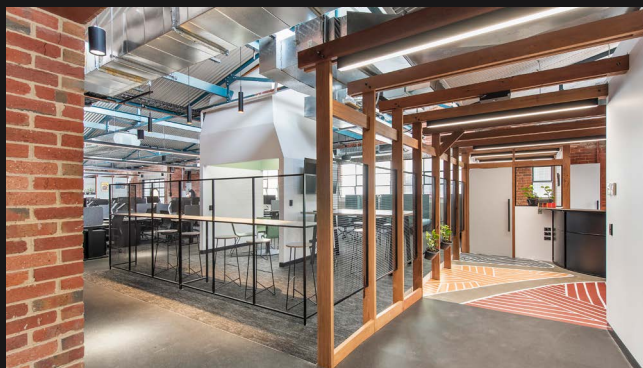
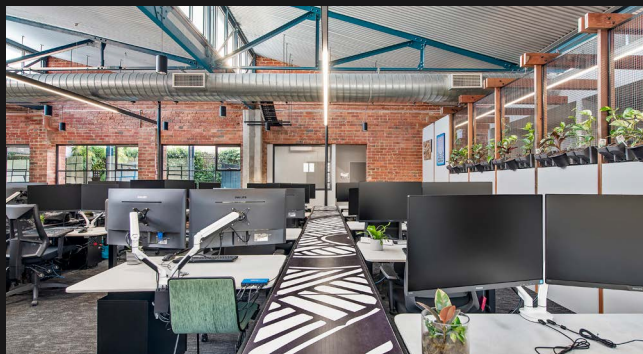
Located within a central business district, the site was surrounded by live occupied offices on adjoining floors. Our team successfully mitigated disruption for all building users.

Throughout the programme, INTREC implemented all necessary COVID-19 infection control procedures in compliance with Government restrictions to ensure the safe delivery of these spaces. Despite simultaneous works being conducted in the building and COVID-19 restrictions, our team managed to complete this multi-stage project within the specified programme.

Stage 2 was delivered ahead of programme and all three stages were handed over on time, to the Client's satisfaction. This resulted in the delivery of a high-end, open workspace, designed to increase collaboration and productivity.




INTREC



Photographer
Chris Sanos

Aboriginal Housing Victoria Workplace Refresh

 **Aboriginal Housing
Victoria**

 **Public Realm Lab**

 **Public Realm Lab**

 **Thomas Consulting Group**

 **450m²**

Aboriginal Housing Victoria (AHV) is a not-for-profit housing association managing over 1,500 rental properties across Victoria. By providing appropriate and affordable housing for Indigenous Victorians, AHV helps strengthen and maintain Aboriginal communities, encouraging better lives and stronger cultural ties.

To cater for AHV's recent growth in staff, INTREC were engaged by Public Realm Lab to undertake the refurbishment of the Narrandjeri House Head Office, located in North Fitzroy.

INTREC collaborated with Public Realm Lab and Thomas Consulting Group to transform the existing office into an open plan workspace; envisioned to encourage productivity and further growth.

The project team paid close attention to detail in the finishes of the project to bring the Client's vision to life.

The intent was to incorporate natural colours and materials into the refurbishment, and so, we investigated and facilitated the use of unique, one of a kind, and unconventional materials and manufacturing processes.






The revitalised workspace welcomes light and reflects natural elements, while providing AHV staff an open and enjoyable space in which to continue to support Indigenous communities throughout Victoria.





Photographer
Chris Sanos

Cummins South Pacific

-  **Cummins South Pacific**
-  **Facilitate Corp**
-  **Venko Design Studio**
-  **ECM Consulting**
-  **3,000m²**

INTREC worked alongside Venko Design Studio on behalf of Cummins South Pacific, to transform an existing office into a modern, open plan workspace including focus areas and meeting rooms.

Through this transformation, an additional 150 working spaces for Cummins employees was created, enabling staff to amalgamate two Victorian offices and establish a South Pacific Head Office.

Our main priority for this project was to ensure our construction activities did not interrupt the ongoing operations of Cummins.

Due to the large nature of this project, the programme was staged, and very stringent safety procedures were applied to protect Cummins staff.

Traffic and pedestrian management around the construction zone proved to be a challenge, as well as dust control and noise mitigation. By establishing hoardings, safety barriers and signage, and implementing control around noisy works, we handled these concerns with confidence.

INTREC were able to identify several buildability issues, and workshop various resolutions with the design team, ultimately offering the best outcome for the Client.





Photographer
Murray Harris

Mott MacDonald Kent Street

 **Mott MacDonald**

 **Project Support Group**

 **Project Support Group**

 **Mott MacDonald**

 **1,750m²**

Mott MacDonald is a global engineering, management and development consultancy focused on guiding their clients through many of the planet's most intricate challenges. Mott MacDonald sought an experienced building contractor to undertake the Office Accommodation Program on Level 10, 383 Kent Street, Sydney.

Mott MacDonald required a space that represented their commitment to innovation and quality. The project therefore included the interior refurbishment of their existing office to create modern open plan workstations. This design consisted of meeting rooms, a boardroom, a breakout area, a brand-new kitchen, open collaboration spaces, lobby, reception and new townhall.

Our team operated within a live environment throughout the works, accommodating for the client's needs by programming a six-day working week to eliminate disruptions to the workplace. Demolition and all noisy works were conducted out of hours and over the weekend. During the refurbishment process, our team were careful to protect the existing lift lobbies, amenities and remaining carpet.

Despite the tight multi-staged programme, our team was able to deliver the project to the satisfaction of Mott MacDonald. The space was handed over early, despite potential delays presented by the refurbishment taking place over the Christmas/New Year shut down period, which impacted the initial desired completion date for Stage 2.

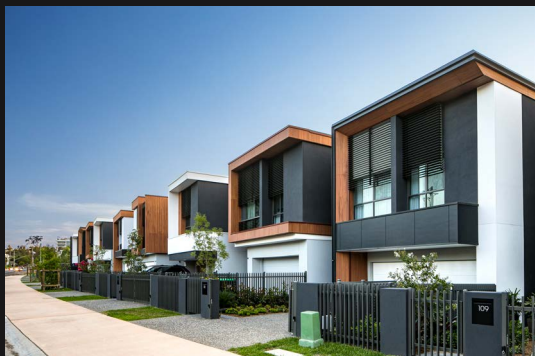
residential

Featured Projects

Essentia 74 Townhomes and
Community Hub





Mulgoa Rise





Photographer
Murray Harris

Essentia 74 Townhomes and Community Hub

-  **Mulpha Norwest**
-  **Mulpha Norwest**
-  **Giles Tribe Architects**
-  **30,000m²**

Mulpha Group (Mulpha) is one of Australia's most experienced real estate and hospitality investors, committed to creating extraordinary places. INTREC partnered with Mulpha to deliver a new generation of Luxury Townhomes to the Norwest district, 'Essentia'. The new estate of medium density homes brings a level of complexity, individuality, elegance, and innovation to Sydney's Norwest District.

Under a Design and Construct capacity, INTREC are delivering 74 townhomes over multiple stages, alongside a community hub, inclusive of a swimming pool and gym facilities.

Mulpha's vision was to create elegant and inventive future-proofed townhouses. In order to achieve this, each home features solar panels and in-built smart living technology, including a home battery storage system and voice-controlled home automation.

Each individual house has been completed systematically, allowing different trades to work on separate aspects of the project simultaneously. This process demanded a detailed and well considered programme, which was implemented to allow for long lead times and adequate time for all trades to complete their works.

Our engagement in an Early Contractor Involvement (ECI) capacity, has allowed us to work closely with Mulpha and various consultants to ensure positive final outcomes for both the Client and end user.

Our team provides a practical onsite perspective to ensure the design aligns with the construction and delivery processes. By being actively involved during the planning stages, we are able to help further refine the design, whilst generating greater cost efficiency through design rationalisation and bulk procurement opportunities.

INTREC are extremely proud to be involved in providing infrastructure to sustainably improve quality-of-life for future generations.



Photographer
Murray Harris



Photographer
Murray Harris



INTREC



Photographer
Murray Harris

Mulgoa Rise



Mulpha Norwest



Giles Tribe Architects

INTREC was appointed as Managing Contractor by Mulpha Norwest for the development of the Outlook at Mulgoa Rise, offering resort style living featuring 48 architecturally designed double storey townhouses, landscaped gardens which provide residential living with exceedingly high levels of sophistication, finish and quality.

The dwellings offer four spacious bedrooms, large open plan living areas, premium appliances and finishes, and picturesque local vistas of the surrounding parks, community swimming pool and barbecue gazebo.

As Managing Contractor, INTREC managed the construction of all 48 double storey townhouses through a multi-staged construction programme.

Throughout the delivery of the works, INTREC ensured a high standard of quality assurance, and maintained quality control measures including compliance with WHS regulations.

government

Featured Projects

Burwood Council Library and
Administration Office

Queensland Museum CEP
Cooling Towers Installation

Service NSW

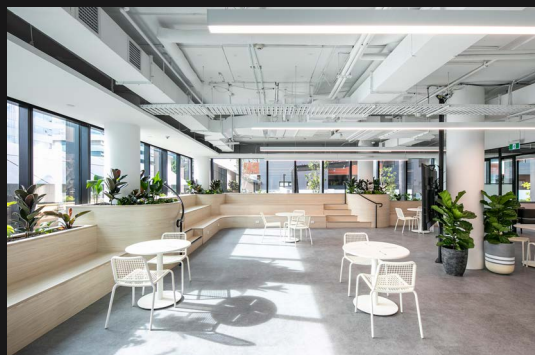
IndigiScapes Centre Expansion

Burwood Council and Library

2 Conder Street

INTREC






Photographer
Murray Harris


Burwood Council Library and Administration Office

 **Burwood Council**

 **APP Corporation**

 **DesignInc**

 **Lucid Consulting**

 **Pulse Acoustics**

 **4,200m²**

Burwood Council sought an experienced builder to undertake a refurbishment to improve the spaces at their Library, Administration Offices and Community Hub at 2 and 8 Condor Street, Burwood.

With works commencing in December 2019, INTREC was tasked to further develop and enhance the existing spaces across the two buildings at Burwood, one of which comprised of a Heritage Façade. The project was completed to a high standard, ensuring the upgrade would allow the community of Burwood to enjoy a space that was both exciting and welcoming.

The refurbishment included the strip out, reconfiguration and refurbishment of the Library across two levels at 2 Conder Street, comprising of a customer service centre, collection areas, library and community space, administration areas, offices and staff kitchen, meeting rooms, tea points, as well as ground floor foyer area.

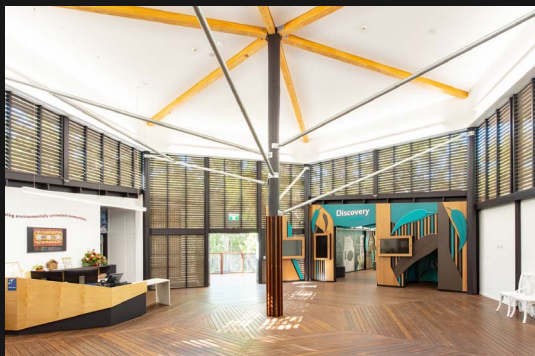
Levels 1 and 2 at 8 Condor Street, were refurbished inclusive of council administration areas, new offices, breakout spaces, and enhancement of the indoor garden.

Due to the changing information surrounding the COVID-19 Pandemic, INTREC ensured there was regular communication between the stakeholders and the project team. This saw the implementation of COVID-19 onsite protocols.

Despite the challenges that the team faced, including tight programming, incorporation of the heritage elements of the library building into the design finalisation and the implementation of COVID-19 protocols, the project was successfully delivered on time in April 2020.


The entire project stakeholder group were pleased with the product, leaving the community eager to utilise their new Library and Council Facilities.






Photographer
Andrew Carter

IndigiScapes Centre Expansion

 **Redland City Council**

 **Ranbury**

 **AECOM**

 **AECOM**

 **400m²**

The Redlands in Queensland covers 539 square kilometres, offering a blend of island and coastal life with thriving urban centres and regionally significant bushland. With a population of around 130,000, the Redlands is one of the fastest growing areas in Queensland.

Redlands IndigiScapes Centre has been operating as a highly popular environmental education facility and community space since its opening in 2000. After nearly two decades of operation, some areas of the existing centre needed refreshing to better serve the community.

INTREC partnered with Redland City Council to undertake the extension of an existing education/theatrette facility and the construction of a brand new Administration Building.

The works consist of an elevated platform frame held up by 83 bored piers, with the structure of both buildings comprised mainly of timber – a highly unique element of the project – including timber bearers, joists, walls, roofing, skirtings, architraves, sills, window reveals, trims and 350m² of hardwood timber decking for the amphitheatre.

The environmental focus is a particularly interesting aspect of the project, as the site lies within a nature reserve.

The upgrades have been designed to keep with the IndigiScapes environmental standards and aim to retain the community spirit.


The extension component of the building works has been carefully considered to avoid and protect significant and veteran vegetation onsite.


Completed in December 2019, the project is a welcome addition to INTREC's growing portfolio of specialised projects within the sustainability sector.



INTREC


Queensland Museum CEP Cooling Towers Installation

 **The Department of Environment and Science on behalf of the State of Queensland**

 **Steele Wrobel**

 **PDT Architects**

 **Norman Disney & Young**

 **Cardno**

Located in the Queensland Museum (QM)/Queensland Art Gallery (QAG) service yard, is an existing Central Energy Plant (CEP), which provides electrical power, HVAC chilled water and heated water for the QCC site, namely:

- State Library of Queensland (SLQ)
- Gallery of Modern Art (GOMA)
- Queensland Performing Arts Centre (QPAC)
- Queensland Art Gallery (QAG)
- Queensland Museum (QM)

The heat rejection capacity of the existing CEP had reached its limit due to site growth and limitations with the River Water Cooling System, and additional Cooling Towers were required to meet future demand.

Working alongside the Department of Environment and Science on behalf of the State of Queensland, Arts Queensland, Steele Wrobel, NDY and PDT Architects, INTREC are in the process of delivering a new purpose-built Central Energy Plant to house the 4 new Cooling Towers, pipework, wiring and controls. These Cooling Towers will provide HVAC chilled water and heating across the QCC Site.

The project consists of the installation of driven concrete piles with capping beams, which makes up the substructure of the tower. Four new concrete columns (designed to match the finish of the heritage listed Museum façade) will support the PT suspended concrete 'Level 2' deck. The rest of the Cooling Tower structure will be constructed out of structural steel and clad with fixed acoustic louvers.

As the tower is being constructed, large sections of pipework and mechanical plant will be craned into position. Coordination with all services trades will be key to ensuring successful project delivery.

The site is extremely congested with the new tower being constructed within the existing loading dock of the Queensland Museum Site. INTREC are maintaining uninterrupted access to the loading dock, which is achieved by erecting overhead gantries. Prior to commencing works onsite, existing underground services such as ethanol lines and water feeds were relocated, as well as old asbestos pipework which was removed and disposed.

Vibration and disturbance of the surrounding building footing structure and current exhibitions while completing the driven piles is a key risk for

the project. During the tender phase, INTREC worked closely with our piling contractor to mitigate this vibration by pre-boring the driven piles three meters below the surrounding building footing structure prior to pile driving commencing. INTREC has also engaged an independent consultant to monitor vibration and noise throughout the project across various locations within the Museum, to ensure noise and vibration are kept at acceptable levels.

This project will deliver 10 MW of additional heat rejection by way of two new Cooling Towers, housed in a new stand-alone structure. The structure will be located next to the existing QCC CEP in the QM/QAG service yard and, in addition to the Cooling Towers, will provide vacant floor space for future plant and equipment.



Delivering projects
across 41 locations
throughout NSW

Service NSW



**Service New South Wales
(SNSW)**



Transport for NSW



Warren & Mahoney



Various

As part of the NSW Government's commitment to offer improved services for its people, Service (SNSW) Centres across the state have undergone extensive upgrades. Initially engaged as the Design and Construct Contractor, INTREC have worked closely with SNSW to deliver projects at over 41 locations since 2015.

Project works generally include the demolition of existing fittings, supply and installation of new service counters and joinery, new flooring, partitions, ceilings and doors, upgrades of the shopfronts, full service installations, inclusive of power, lighting, communications, mechanical, fire, hydraulic, security and Audio-Visual.

With each site varying in scope of works, ranging from minor works delivered in a 3-week programme, through to a completely new Service Centre requiring a 4-5 week programme, INTREC has developed a strong knowledge of the requirements and operations of Service NSW Centre projects, creating detailed programmes that are tailored to each respective location.

Through each 3-5-week period of works, INTREC provides regular consultation between the SNSW team and the INTREC project team, allowing a chance to mitigate any foreseeable challenges.

The geographical location of these sites remains one of the main logistical challenges of this ongoing rollout, with Centres ranging from Sydney's metropolitan area,

to regional locations. Owing to our extensive and diverse subcontractor base, we have been able to consistently deliver these spaces within the specified programme and to the Client's satisfaction.

Various projects delivered within this rollout were completed within an occupied area. Careful consideration was undertaken by the site team to guarantee the safety of all staff, subcontractors and clients during the duration of the works.

Most recently, INTREC has completed three high-quality refurbishments for SNSW in the metropolitan area: Engadine, Revesby and Roselands. These sites have been fitted out based on the new design. All projects were delivered successfully and exceeded the expectations of all stake holders.



Photographer
Murray Harris



Photographer
Murray Harris



NSW

73 Reserve Road
Artarmon NSW 2064

QLD

8 Gardner Close
Milton 4064

VIC

Level 2, 95 Coventry Street
South Melbourne 3205

ACT

Level 1, 88-96 Bunda Street
Civic ACT 2601

INTREC
project
annual

20