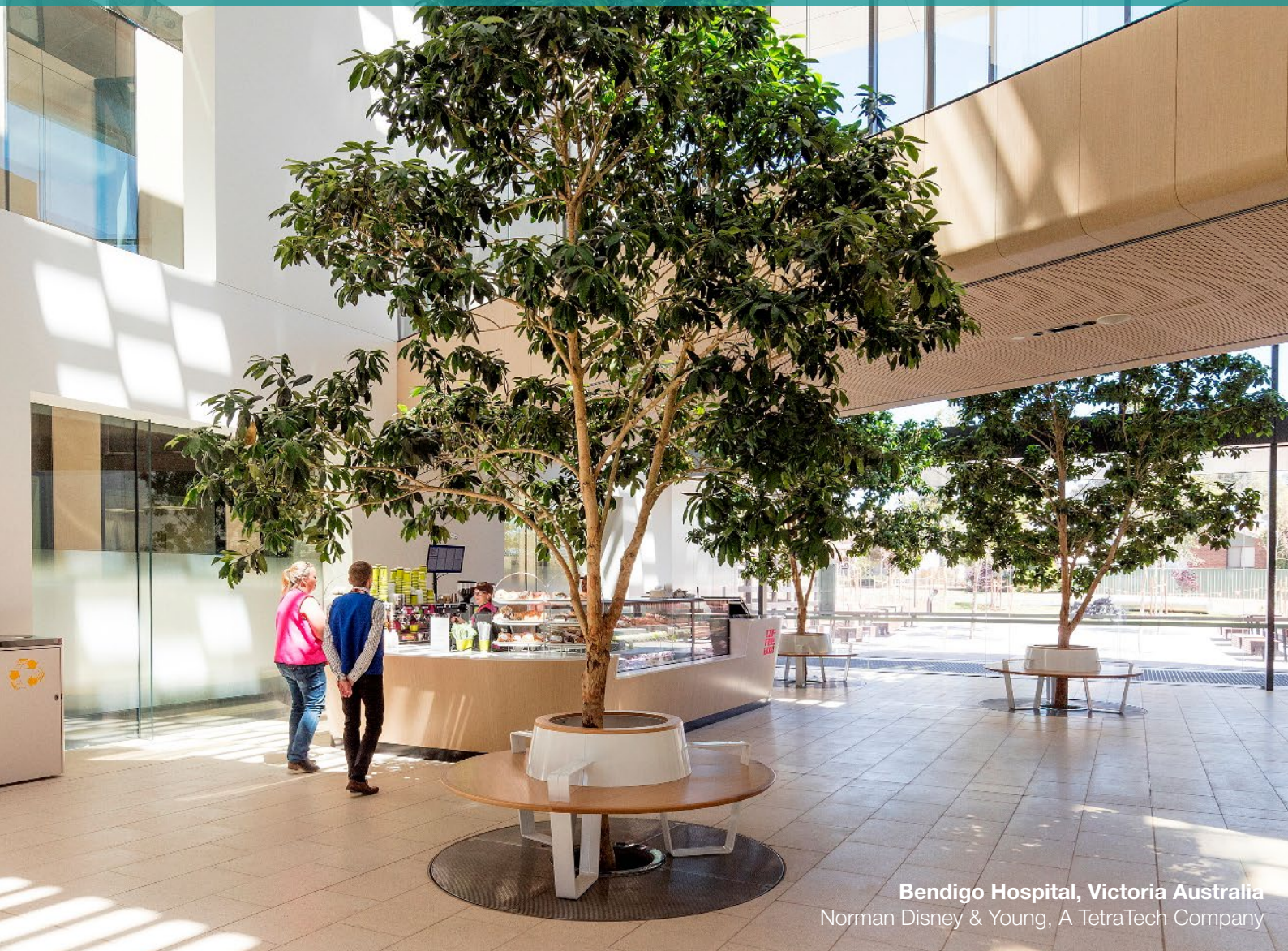




# Sustainability Healthy Buildings

2022





# The importance of healthy buildings

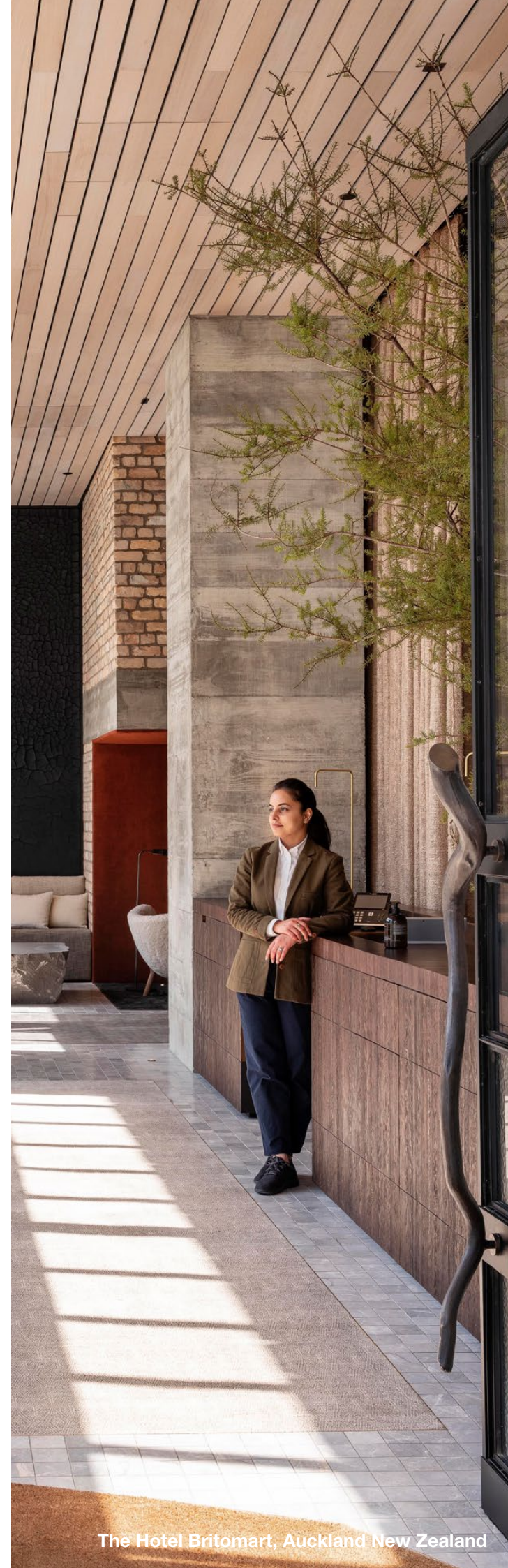
With a majority of our time spent indoors, the buildings we spend this time in are a crucial, but often overlooked, determinant of health.

The built environment industry has rapidly evolved with a focus on environmental sustainability, but so too has our understanding of both the impact and opportunities our physical environment plays on the state of our health.

Buildings are no longer a static asset to provide basic human needs of shelter, safety, light and ventilation, but can form places which not only aid in the absence of mental and physical health issues, but facilitate improved health and advance key wellness attributes through design and operational interventions.

At NDY we nurture the relationship between people and planetary health, striking not only a balance, but improved outcomes in social and environmental sustainability. In today's market buildings must be more than just energy efficient.

Similar to NDY's approach toward data-driven design, we also place a huge emphasis on human-centric design. We collaborate to intertwine and deliver complimentary sustainability objectives which are environmentally responsive, people focused and resilient. Our model values whole-of-project life imperatives to create efficient, affordable and healthy buildings.



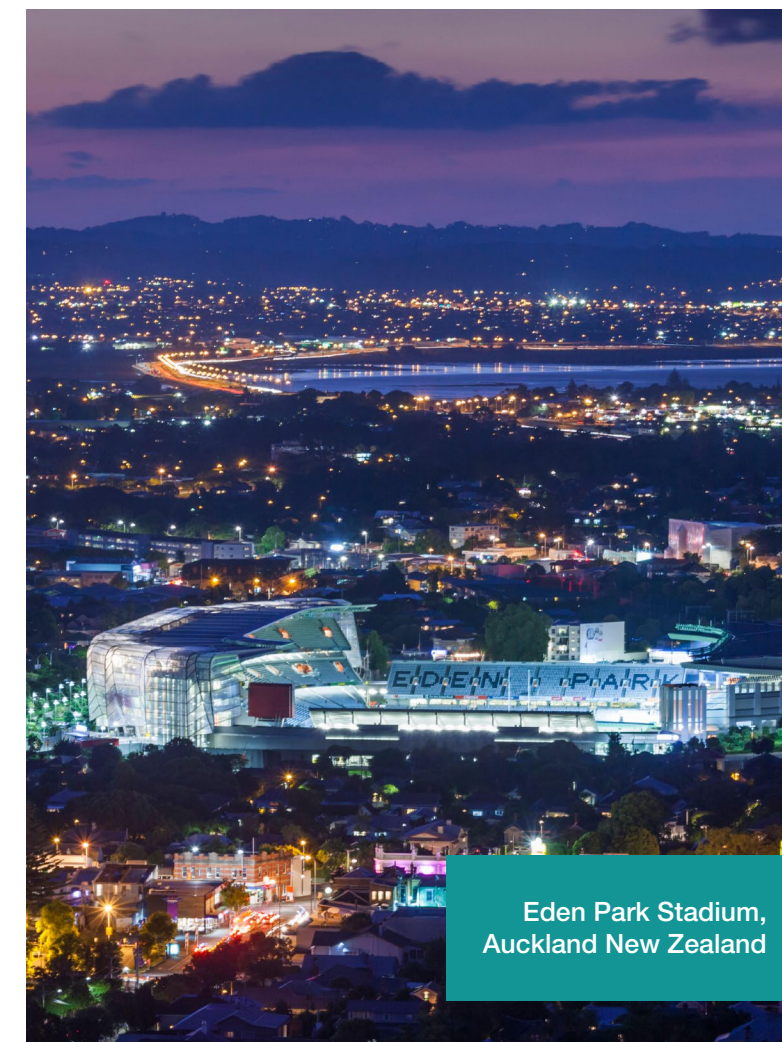
The Hotel Britomart, Auckland New Zealand

## Services

Our sustainability specialists collaborate with our clients and guide them through complex sustainability design and construction challenges. We use data and advanced design analysis tools to drive the design process. We unlock value for our clients, simulate new ideas and empower innovative thinking in our working.

Across the globe, we guide projects to apply initiatives to drive healthier and positive places.

We believe that a robust design framework or certification can help ensure project health and wellbeing aspirations are realised in design, construction and operation. Whilst the WELL Building Standard is recognised as the world leading certification scheme, a number of other holistic sustainability certifications also positively impact on human health and wellbeing. We offer benchmarking and formal management and administration against all industry recognised certification schemes.



Eden Park Stadium, Auckland New Zealand

## Our Healthy Buildings Consulting Services

Our depth of services allow us to work directly with our clients at all levels within their organisation, engaging with them to develop strategies, applying our deep knowledge to support implementation; and assist in ongoing management and certification of outcomes.

### Data Driven Indoor Environment Modelling and Parametric Analysis

- Daylight availability
- Glare potential
- Thermal comfort
- Air change effectiveness

### Health & Wellbeing Benchmarking and Certifications

- The WELL Building Standard - WELL Certification, WELL Portfolio & WELL Health-Safety
- Fitwel
- Green Star
- BREEAM
- LEED
- Living Building Challenge

### Stakeholder Engagement and Workplace Policy & Operational Support

- Wellness design alignment charettes
- Stakeholder education sessions
- Workplace policy reviews
- Workplace policy drafting
- Health and wellbeing focused operational and maintenance action plans





Perth Children's Hospital, Perth Australia

## 500 Collins Street

### Period

2018 - 2021

### Services

- WELL v2 Pilot (Core), Platinum Certified

### Summary

500 Collins Street is the first existing building in Australia to achieve WELL Certification at the Platinum level, positioning it as an industry leader in the advancement of health and wellbeing in existing buildings.

NDY were initially engaged to undertake a gap analysis of the building to determine the potential to achieve WELL certification. NDY led Kamirice through full certification assessing the building's design, operations and policies under the internationally recognised WELL Building Standard.

500 Collins Street earned the Platinum distinction based on its performance across air, water, nourishment, light, movement, thermal comfort, sound, materials, mind and community.



500 Collins Street, Melbourne Australia

## QBE Fitout

### Period

2018 - 2019

### Services

- Health and wellbeing design strategy

### Summary

Encompassing 6,000m<sup>2</sup> across four levels at 833 Collins Street, QBE's brief called for a series of wellness strategies as part of their mission to achieve a strong health and wellness focused culture across all of their new workplace projects.

As an established global leader of insurance, QBE sought to create a robust workplace solution to enhance their ever-changing business needs and build a framework for future ways of working across the broader transformation projects in Sydney CBD & Western Sydney.

With the large open floor plates in Docklands there was an opportunity to morph spaces in tune to the workplace needs, creating an assortment of tectonic forms for closed meeting rooms, open team huddles & social spaces to the open plan team bases with a myriad of retreat & escape spaces to focus or innovate.



QBE Fitout, Melbourne Australia



## 10 Greycoat Place

### Period

2020 - Present

### Services

- BREEAM
- WELL v2 Pilot (Core)

### Summary

NDY are providing consultancy services from the concept stage through to practical completion and worked closely with the client to determine the best servicing solution to maximise the high value areas of the building and meet the expectations of possible tenants for this location and size of building.

The building's sustainability targets are at the core of the design with the project targeting a BREEAM Excellent rating. The building's infrastructure is designed to achieve WIRED Gold Certification and the building is registered for WELL Certification. The project meets the recommendations of the British Council of Offices (BCO).



## 1 Berkeley Street

### Period

2020 - Present

### Services

- WELL v2 Pilot (Core)

### Summary

1 Berkeley Street situated opposite the Ritz Hotel on the corner of Berkeley Street and Piccadilly in Mayfair, and comprises the refurbishment of the existing mixed-use office/hotel/retail building whilst also extending out to the rear into Dover Yard and upwards to add a further two levels of hotel above. A further extension on the corner of Dover Street and Piccadilly called the 'Pavilion'. The project is targeting WELL Gold underpinned by a design vision that seeks to deliver a fresh work environment focusing on social cohesion through spaces such as the roof terrace and centralized catering facility.



## National Australia Bank Fitouts

### Period

2018 - Present

### Services

- Green Star Interiors
- Health and wellbeing design strategy
- Daylight and thermal comfort modelling

### Summary

National Australia Bank (NAB) is one of the four largest financial institutions in Australia. NAB's new Sydney workplaces (2 Carrington Street and 3 Parramatta Square) and Melbourne location (395 Bourke Street) reflect the bank's commitment to creating workplaces that increased collaboration and innovative thinking. All fitouts exemplify the brand's commitment to driving positive organisational change through design.

Sustainability has been embedded in the design of the fitouts, promoting wellbeing strategies and reducing the impact on environmental resources throughout its life cycle, ranging from early design and material selection to on-site construction, building operation, occupancy, and end of life.



## 2degrees Fitout

### Period

2020 - Present

### Services

- WELL v2 Pilot

### Summary

2degrees's mantra is built on a concept of 'fighting for fair'. People and wellbeing are integral to the 2degrees culture and the organisation took the opportunity of moving into their new head quarters at 136 Fanshawe St, Auckland to demonstrate this in a commitment to occupant health and wellbeing with certification under The WELL Building Standard.

Aspects which represent 2degrees commitment to employee health and wellbeing include the use of Kaiterra Sensedge air quality monitors located throughout the fitout, taking live measurements of indoor air quality and thermal comfort levels, with results displayed in the office lobby and on an employee accessible and a revamped parental leave policy, offering some of the strongest opportunities for new parents in the New Zealand workforce.





## Meredith Connell Fitout

### Period

2020 - Present

### Services

- WELL v2 Pilot, Precertified

### Summary

Meredith Connell approached NDY Sustainability with a keen interest to provide the best work environment for their employees, and saw their new office as an opportunity to integrate principles of health and wellbeing and pursue formal recognition under The WELL Building Standard.

WELL has provided an opportunity for the space to make design decisions supportive of occupant health and wellbeing, and also implement operational policies where the people are put first such as:

- Biophilic design with the introduction of over 5,000 plants to represent a terrarium for staff to meet in, work amongst and observe
- Provision of an on-site lactation room for mothers returning to work
- High acoustic performance between spaces to facilitate speech privacy.



## 1 Eden Park Drive

### Period

2019 - Present

### Services

- Green Star Design & As Built
- WELL v2 Pilot (Core)
- Daylight and thermal comfort modelling

### Summary

1 Eden Park drive is a new office development from Kamirice (owners of 500 Collins St). Kamirice have a keen focus on sustainability and wellbeing in their portfolio

NDY Sustainability has been involved in developing the project sustainability strategy including investigation of all-electric design strategies and system options and facade optimisation studies.

The project is targeting multiple sustainability ratings including 6-star Green Star Design & As Built v1.3, WELL v2 Pilot (Core) Gold and NABERS Energy 5.5 Star Base Building.



## Arding & Hobbs

### Period

2020 - Present

### Services

- WELL v2 Pilot (Core)
- BREEAM

### Summary

Arding and Hobbs project includes the refurbishment and new extension of the building at 315 Lavender Hill, Clapham, SW11 1PN.

Sustainability has been a key aspect of the design from the very early design stages with sustainable measures integrated onto the design, and will continue to be incorporated during the construction and operation of the building.

The office spaces of this development are assessed under BREEAM UK Refurbishment and Fit-out scheme and aim to achieve an Excellent rating. Office spaces will also be assessed under WELL and aim to achieve a Gold rating.



## 435 Bourke Street

### Period

2017 - Present

### Services

- Green Star Design & As Built
- WELL v2 Pilot (Core)

### Summary

NDY Sustainability has been engaged by CBUS Property as part of a multi-disciplinary NDY team to perform the lead sustainability role on the project. NDY's advisory work with CBUS Property for GRESB and environmental reporting has enabled our team to understand how this project relates to their ESG agenda.

A large focus for this project has centred on the façade arrangement, for which NDY has collaborated extensively with Bates Smart to optimise each elevation through parametric testing of multiple concept options. Careful consideration of external issues such as views and overshadowing, along with a focus on superior indoor environment quality, has resulted in a unique design outcome for the Melbourne skyline.





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