



CIVIL



STRUCTURAL

BUILDING
SERVICES

SUSTAINABILITY

NORTHROP CONSULTING ENGINEERS

SENIOR LIVING AND CARE - CAPABILITY STATEMENT



TABLE OF CONTENTS

Watch our senior living and care capability video by clicking [here](#)



5 Understanding the challenges you face

6 Insights

8 Our services

9 How we help you...at every stage of the process

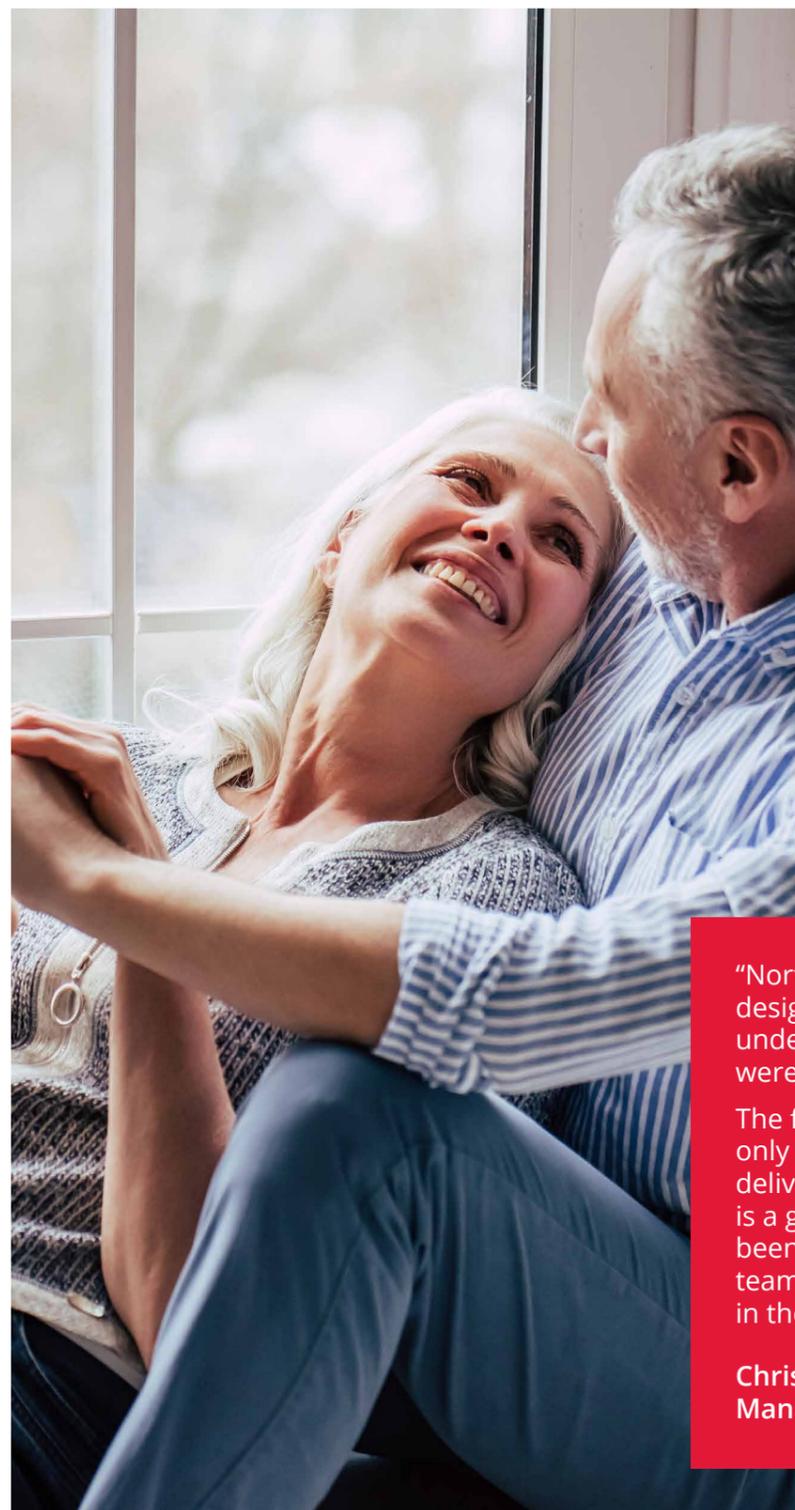
10 Our experience & case studies

27 Our people

28 Contact us



- MULTIDISCIPLINE ENGINEERING CONSULTANCY**
- 40+ YEARS SUCCESSFUL DELIVERY**
- 400+ PEOPLE**
- 8 OFFICES ACROSS NSW, ACT, QLD, VIC**
- \$60M ANNUAL TURNOVER**
- OWNED BY 40 OF OUR SENIOR PEOPLE**
- MULTI-AWARD WINNING**
- REPRESENTATION ON ALL MAJOR INDUSTRY BOARDS**



WHY NORTHROP FOR SENIOR LIVING AND CARE PROJECTS?

Northrop has delivered hundreds of senior living and care projects over the 40 plus years of its existence. With 400+ people across NSW, ACT, QLD and VIC, Northrop understands the challenges of such projects and how to deliver attractive, practical, saleable, and commercially viable solutions, fully tailored to your requirements.

From greenfield, major and minor extensions to existing buildings, to code compliance upgrades, our experienced team of engineers work on all types of projects.

Being employee owned, the team you work with has a direct investment in the success of your project, and you get to work with our most senior and talented people. This ensures a strong collaborative approach where your ideas for all stages of the project are encouraged.

Highly experienced in civil, structural, building services and sustainability, these services can work standalone or we can come together as a successful multidisciplinary team.

After more than forty years of working closely with providers, architects, builders and project managers

on senior living and care projects, we make the process as easy as possible by:

- Providing design and documentation for all disciplines from early concept, right through to construction supervision
- Ensuring minimal disruption to your residents
- Delivering multi-story design options to ensure the best use of limited space
- Navigating the complex approval pathways often associated with difficult sites
- Helping you comply with commonwealth government aging in place requirements, by designing adaptable infrastructure that will provide options for multiple use
- Designing to meet the specific health, wellbeing and comfort requirements of elderly residents
- Taking a whole of life approach, considering all maintenance and ongoing costs, minimising your risk

Northrop is a true partner in the senior living and care space with a focus on providing exceptional facilities that meet the needs of the community, now, and into the future.

“Northrop provided invaluable advice throughout the design process and their combination of commercial understanding and technical capability ensured that we were able to drive the best outcome for our site.

The final design solution provided by Northrop not only addressed the engineering requirements, but also delivered a fantastic water feature through the site that is a great contributor to the overall village design. It has been a great experience working with the Northrop team, and we look forward to working with them again in the future.”

Christo Winters
Managing Director, Innovate RE



“We invite a collaborative, problem solving approach to the process in order to develop a truly tailor-made solution.”

James Sutherland
Principal & Melbourne Regional Manager



INSIGHTS

GREAT EXPECTATIONS

Whether choosing to stay in their own home or to live elsewhere, the expectations of senior Australians have changed.

They expect to maintain their lifestyle, stay connected to family and friends, have access to public transport, shopping and entertainment, as well as the latest technology and services, all within their own community.

While some residents require specialist equipment or access, it's expected that facilities feel more like 'home', with wide open spaces, generous dimensions, quality finishes and higher architectural component.

Providing extra amenities like bowling greens, pools, and even childcare are becoming more common. In some cases, providers won't build a project unless there is an element that differentiates the site from other developments such as a golf course, university, or church.

We help to minimise your risk, working together with your project team to meet these expectations - delivering attractive, saleable and commercially viable solutions.



MEETING CHALLENGES

TECHNOLOGY DRIVEN

With the automation of clinical processes, cloud-based practice management solutions, as well as wearable and smart devices, healthcare has gone digital. Communications infrastructure is therefore a critical consideration in seniors living and care.

At Northrop, we feature an entire division of engineers focused on audio visual design who have the unique ability to speak the language of both electrical engineering as well as information technology specialties.

SITE CHALLENGES

Northrop understand commercial risk and have developed a suite of skills to assist with many site challenges including accessibility, grades and traffic management when coming up with various feasibility design options.

A scarcity of sites has led to an increase of density on existing sites. This can include adding new buildings to infill a site or demolishing existing structures to build taller buildings with interconnected amenities.

Re-working an existing site requires the facility to remain operational. Northrop works with you to stage construction thus allowing access to the site and minimising disturbance to the residents. We also provide temporary works to facilitate the staging and refurbishment of existing facilities to upgrade their amenities.

With finely tuned practical experience, our people also expertly coordinate and sequence services reducing costs, delays and disruptions.

APPROACH

Facilities are often retained assets that the provider keeps or needs to buy back from the resident.

Our dedicated team assist in considering all costs associated with the life of a building, and understand the need to balance upfront costs, with minimising long-term maintenance, reducing ongoing and future costs.

HEALTH & WELLBEING

Heating, good ventilation, air-conditioning and lighting - especially natural daylight - are essential to create a comfortable space and assisting in the health, well-being and comfort of the elderly.

From the introduction of biophilia as part of an architectural collaboration to minimise some of the ailments related to aging, to sensitive approaches to mechanical and electrical design Northrop takes the time to understand your needs and desires for your residents.

The safety of residents is paramount, and we consider this in all aspects of design. From fire safety, to creating open spaces and gardens that are both stimulating and secure, to the way we layout the facility and position lifts - making it easy to navigate, Northrop cares about your facility and its residents.



"One of the main challenges that our clients face is working with sites that have existing structures and staging issues. Getting involved early, we're able to provide feasibility advice and find a solution that works with their existing assets."

Joe O'Brien
Principal & Structural Engineer



"One of the fastest growing sectors, we get to work with the latest technologies and come up with innovative designs which really benefit the end user."

Surekha Parajuli
Associate & Electrical Services Discipline Manager



OUR SERVICES



CIVIL

- Land development
- Buildings & infill development
- Roads & infrastructure
- Transport & traffic
- Flood modelling



STRUCTURAL

- Buildings
- Infrastructure & bridges
- Facades
- Remedial & diagnostics



BUILDING SERVICES

- Mechanical
- Electrical
- Acoustics
- Hydraulic & fire
- Audio visual & ICT
- Specialist lighting
- Level 3 high voltage design



SUSTAINABILITY

- Communities & climate resilience
- Existing building & wellbeing
- Green building design



MULTIDISCIPLINARY OFFERING

NORTHROP CAN HELP YOU ...



PROVIDERS

We deliver attractive, saleable and commercially viable solutions, helping to minimise your risk.



BUILDERS

We offer clear documentation, practical and cost-effective solutions, and outstanding coordination of services.



ARCHITECTS

We help you to achieve your vision of function and aesthetics.



RESIDENTS

We create comfortable, attractive and safe communities, that feel like home.



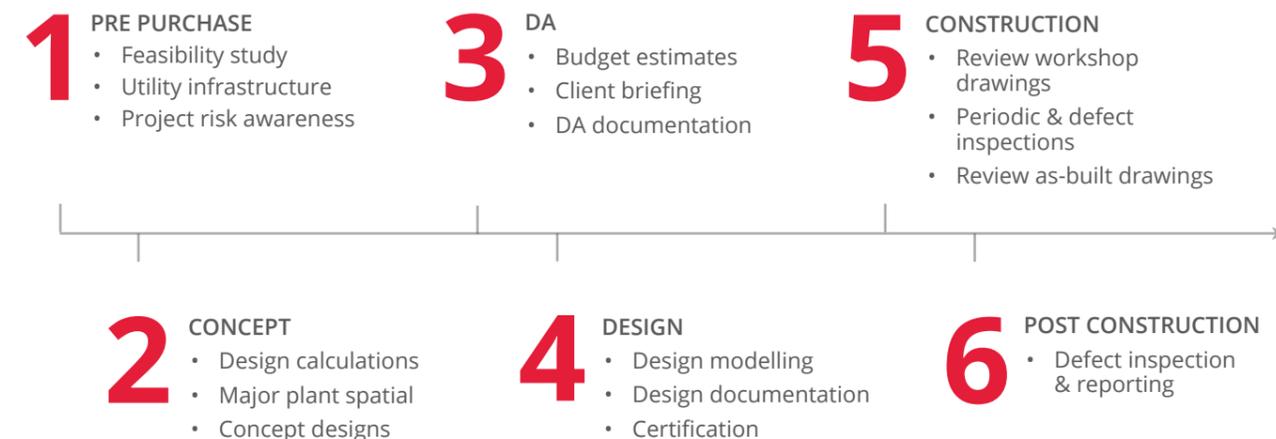
PROJECT MANAGERS

Not only do we excel when it comes to documentation and coordination of services, we are highly proactive in our approach, making your life a lot easier.

"Northrop has provided the full suite of engineering services across various aged care jobs for TSA Management. Their attitude and commitment has always been first class, and if problems have come up, they have been responsive and have dealt with them quickly and efficiently. I will happily continue to work with their team."

Iain Macfarlane
Aged Care & Retirement Living Lead,
TSA Management

... AT EVERY PHASE OF THE PROJECT



SENIOR LIVING & CARE EXPERIENCE



\$20
Million

Kangaloon Road, Bowral, Private Developer



\$66
Million

Opal North Lakes, Opal Aged Care



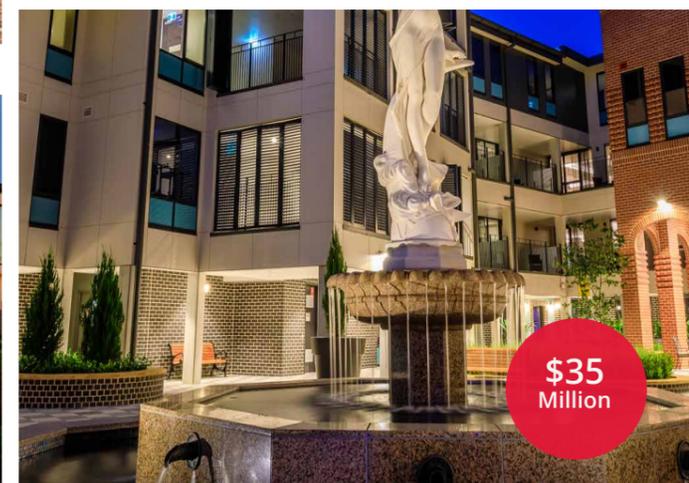
\$25
Million

Opal Blacktown, Opal Aged Care



\$50
Million

Bayswater Gardens, Abbotsford, Cranbrook Care



\$35
Million

The Village by Scalabrini, Drummoyne



"We have good relationships with local council planners and engineers and have resolved many site challenges during the Development Application phase."

Brittany Balcombe
Civil Engineer



\$20
Million

BUPA Baulkham Hills, Utech Pty Ltd



\$5
Million

Anglican Retirement Villages, Castle Hill, Artazan Property Group



\$75
Million

St Patrick's Green, Kogarah, Greengate Developments



"Flexibility is built into all of our designs, keeping in mind the future needs of the residents, as they require higher care."

Trevor Clack
Principal & Central Coast
Manager

SENIOR LIVING & CARE EXPERIENCE



"We work closely with clients to find the correct solutions for each specific project. This includes talking through options to find the right balance between upfront capital costs, ongoing running costs, life cycle costing and indoor air quality."

Lincoln Hill
Principal & Mechanical Manager



\$2
Million

Seniors Centre Tuggeranong, Collins Caddaye Architects



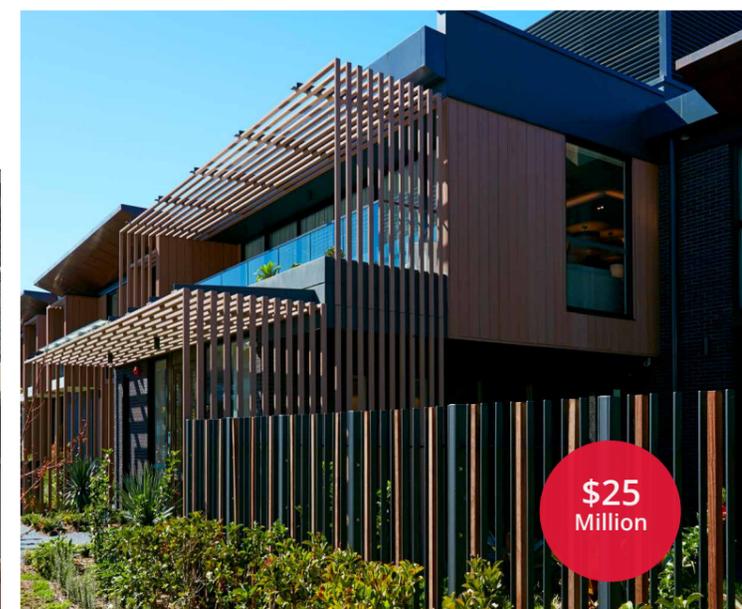
\$100
Million

Shortland Waters Retirement Village & Golf Course



\$12
Million

Southern Cross Aged Care, Garran, Southern Cross Care



\$25
Million

Bella Vista Gardens, Kellyville, Cranbrook Care



\$15
Million

Wivenhoe Village, Kirkham, Wivenhoe Camden/ PWC



\$22
Million

Regis Elmore Vale, Regis Aged Care



\$33
Million

Opal Cardinal Freeman, Ashfield, Opal Aged Care



\$5
Million

North Richmond ILUs, North Richmond Constructions



"Northrop has been involved in senior living and care projects for many years now, working on everything from small-scale communal area refurbishments, through to large state-wide improvement programs."

Anna Lansley
Associate & Senior Engineer

SENIOR LIVING & CARE EXPERIENCE



**\$12
Million**

Griffith Aged Care, Griffith, Baptist Care



**\$25
Million**

Prestons Lodge, Sydney, Advantage Aged Care



**\$33
Million**

Brighton Avenue Toronto Anglican Care, APP



“The thing I like most about senior living and care projects is the innovation. The facilities that are being developed are incredible. Northrop have all of the services to deliver your senior living and care project.”

Simon Matthews
Hydraulics/Fire Discipline Manager



**\$24
Million**

Scalabrini Chipping Norton, Scalabrini Village Limited



**\$25
Million**

The Arbour, Berry, Berry Village Retirement



**\$25
Million**

Cranbrook Aged Care Fairway Drive, Kellyville, Cranbrook Care



“Our best approach to ensure a successful project design is to become intimately familiar with the site at concept, develop the design further, then return as necessary to reconfirm the design at various stages.”

Hayden Long
Melbourne Civil Manager



**\$24
Million**

Parkside - Howard Court, Wollongong, Illawarra Retirement Trust



**\$20
Million**

Uniting Nareen Terrace Hamlyn Terrace, North Constructions & Building



**\$70
Million**

Uniting Amala, Gordom ACT, UnitingCare Australia



CASE STUDY 1: SCALLABRINI VILLIAGE

CLIENT: Scalabrini, Aged Care and Residential Villages

PROJECT: The Village by Scalabrini, Drummoyne, NSW

VALUE: \$35M

PROJECT SUMMARY

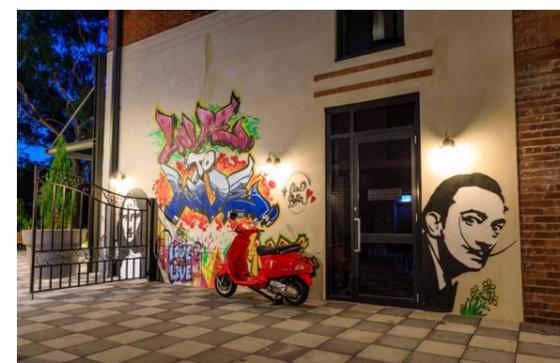
- Engaged with our client from a very early stage through to completion of construction, to ultimately achieve the client's vision
- Successfully handled negotiations between the builder and client throughout the construction process, ensuring a balanced resolution that met the expectations of both parties
- Incorporated advanced technological solutions in the design to achieve the client's brief: to create a facility with tomorrow's technology

THE BRIEF

Northrop was engaged by Scalabrini Aged Care and Residential Villages to deliver their vision of creating a technologically advanced facility: The Village by Scalabrini. We were engaged based on our senior team's extensive experience, as well as our existing strong working relationship with the client, which has seen us previously deliver several successful projects.

Core to the client's brief – and one of the key challenges – was to connect a new, large care facility into a well-developed inner west Sydney suburb, while retaining an existing chapel and incorporating it into the final design.

We worked closely with the client from day one to explore options that would provide a technologically advanced facility, cementing Scalabrini's reputation as an outstanding provider of care to the frail and those living with dementia, as well as being an outstanding provider to culturally and linguistically diverse communities.



CUSTOM-BUILT, TAILORED APPROACH

The brief – to create a facility with tomorrow's technology – was challenging in that technology moves so quickly. What is new today can be outdated next week. To ensure we delivered the very best solution we sought the advice of several communication gurus, and guided the client through each option before deciding on the most practical, suitable solution for the development.

As a result, a custom-built interface dashboard was developed, peer reviewed for validation and implemented on site. The technology included circadian lighting with advanced dimming technology, and resident monitoring saw high level live surveillance models, smart floor resident call systems and high level interface with HVAC and hydraulic systems incorporated in the design. Each step of the way the client was kept well informed on every milestone decision and attended critical meetings with the design team.

AWARD-WINNING RESULTS

The custom-built dashboard, featuring the high security dementia monitoring system and the most advanced lighting and resident systems secured an award for Best Care Facility at the 2018 Australian Healthcare Week Excellence Awards.





“Many of our clients are looking to co-locate their facility with built amenities such as a golf course. This provides a ready-made community with beautiful vistas for residents, whilst also supporting a healthy and active lifestyle.”

Andrew Brown
Principal & Civil Engineer



“We’ve partnered with Northrop on multiple projects in Newcastle and Sydney, including Shortland Waters Retirement Village and Golf Course. The team are always proactive, great communicators and take a personal interest in ensuring that our projects succeed. Their extensive sector experience and technical knowledge help to minimise my risk by delivering commercially viable solutions that are highly attractive to buyers. I’d highly recommend Northrop for all seniors living and aged care projects.”

Kegan Lacey
Development Manager, Aveo Group

CASE STUDY 2: SHORTLAND WATERS

CLIENT: Shortland Waters Aged Care

PROJECT: Shortland Waters Retirement Village upgrade development, Shortland Waters Golf Course

VALUE: \$100M

PROJECT SUMMARY

- Successfully designed and managed a multi-faceted project amid a number of site, access, and compliance constraints
- Actively managed and co-ordinated the design, documentation and approval of utility service infrastructure, essentially providing the client with a turnkey set of tightly co-ordinated documentation, ready for construction
- Large cost-savings achieved via our strategic, integrated approach to project design

THE BRIEF

Northrop was engaged by Shortland Waters to provide master planning and concept design services for their Retirement Village upgrade. We have now seen the development through council approval and into the construction of the four stages of works, which includes approximately 200 ILU villas, lead-in infrastructure, new Golf Club House, new Community Centre and four new golf holes and modification to a number of others.

The project scope included a number of challenges, such as maintaining the operating golf course, overcoming topographical levels to provide adequate access, while maintaining yield and architectural features. Due to the location of the development, servicing was also a large concern to the client so the brief required us to work closely with local authorities to provide efficient and economical solutions for lead-in services.

THE SOLUTION

Given the multi-faceted nature of the project, our signature ability to provide multidisciplinary design services enabled us to fully coordinate and take advantage of cost-effective outcomes for our client.

THE VALUE OF AN INTEGRATED APPROACH

We provided significant value early in the project by redesigning the original proposal to more

appropriately consider an integrated and balanced site-wide earthworks approach, with the aim of eliminating excess material being carted from the site. Furthermore, we prepared a site-wide stormwater management plan to reduce stormwater infrastructure (and therefore reduce infrastructure costs).

UNIQUE CONSTRAINTS, STRATEGIC DESIGN

We provided the civil engineering design for the four new golf holes on the course, which are located over a disused tip site and adjacent to a SEPP 14 Wetland. With these two considerable constraints in play, we prepared the civil engineering design to achieve compliance with the Remediation Action Plan (RAP) and the Department of Primary Industries (Water) requirements, as well as ensuring a practical and cost effective outcome.

In addition, because the works required filling within the Wetland floodplain, we provided a flood impact assessment to satisfy Newcastle City Council requirements. Furthermore, an assessment on the impact of long-term consolidation of the underlying soils due to the addition of fill was undertaken to provide advice on overfilling of the site so that, once consolidated, the greens, tees and fairways remain above frequent flood inundation levels.

BALANCED PROJECT AND STAKEHOLDER MANAGEMENT

We also provided the civil and structural design services for the new Golf Club House. The design of the split-level structure included upgrading the existing access road through the University of Newcastle site and providing ancillary carparking for the Club. This aspect of the project required particular consideration and stakeholder management to minimise impact on the University, as well as the adjacent Retirement Village and Golf Course.

We actively co-ordinated with the architect and landscape architect throughout the project, whilst we carried out and managed all engineering disciplines such as civil, structural, hydraulic, electrical, geotechnical, sewer pump station etc.

CASE STUDY 3: PRESTON LODGE

CLIENT: Advantage Aged Care

PROJECT: Prestons Lodge, 140-bed aged care facility, South West Sydney

VALUE: \$25M

PROJECT SUMMARY

- Challenging parcel of land and limited access to infrastructure/services
- Balanced multiple design and infrastructure priorities to ensure we met the client's overarching goal—the construction of a warm, homely environment for residents
- Open, transparent communication and a high calibre of service throughout the project

THE BRIEF

Northrop was engaged by Advantage Aged Care for the design and document of building services for their new residences in South West Sydney. Core to the client's brief was prioritising the creation of a homely, warm environment for residents. There were a number of challenges associated with the project, largely due to the unique site location—a curving parcel of land that sits parallel to the M7 motorway and is also bordered by a residential sub-division.

These characteristics made for a tightly constrained site, which also needed to comply with acoustic restrictions imposed by the building's proximity to residential homes. In addition, as a result of its proximity to the motorway, the site is surrounded by road authority easements and bikeways and was not initially zoned for a residential aged care facility. This meant it was only serviced with limited gas, electricity, sewer and communication infrastructure.

We needed to not only meet the client's expectations of a warm, homely environment but also to ensure the project is serviced with gas, electricity, sewer and communications infrastructure, without any major upstream works to the utility infrastructure.

THE SOLUTION

CONSIDERED, BIG-PICTURE DESIGN

We carefully considered the products used, illuminating rooms and common areas in order to achieve a warm environment for residents.



The facility's central mechanical plant was designed to minimise its footprint, effectively screening it from adjoining buildings and ensuring it doesn't impact the resident's experience.

The infrastructure design for the services included long runs for electrical and communication systems, some more than 90 metres. We carefully designed infrastructure systems for our client with a long-term view—we future-proofed all cabling routes, while also maintaining the necessary efficiencies. The solution, which was agreed to in consultation with Advantage, was to install a number of multicore optical fibre cables and less of the larger sub-mains to provide a cost-effective infrastructure.

TIMELY NEGOTIATION

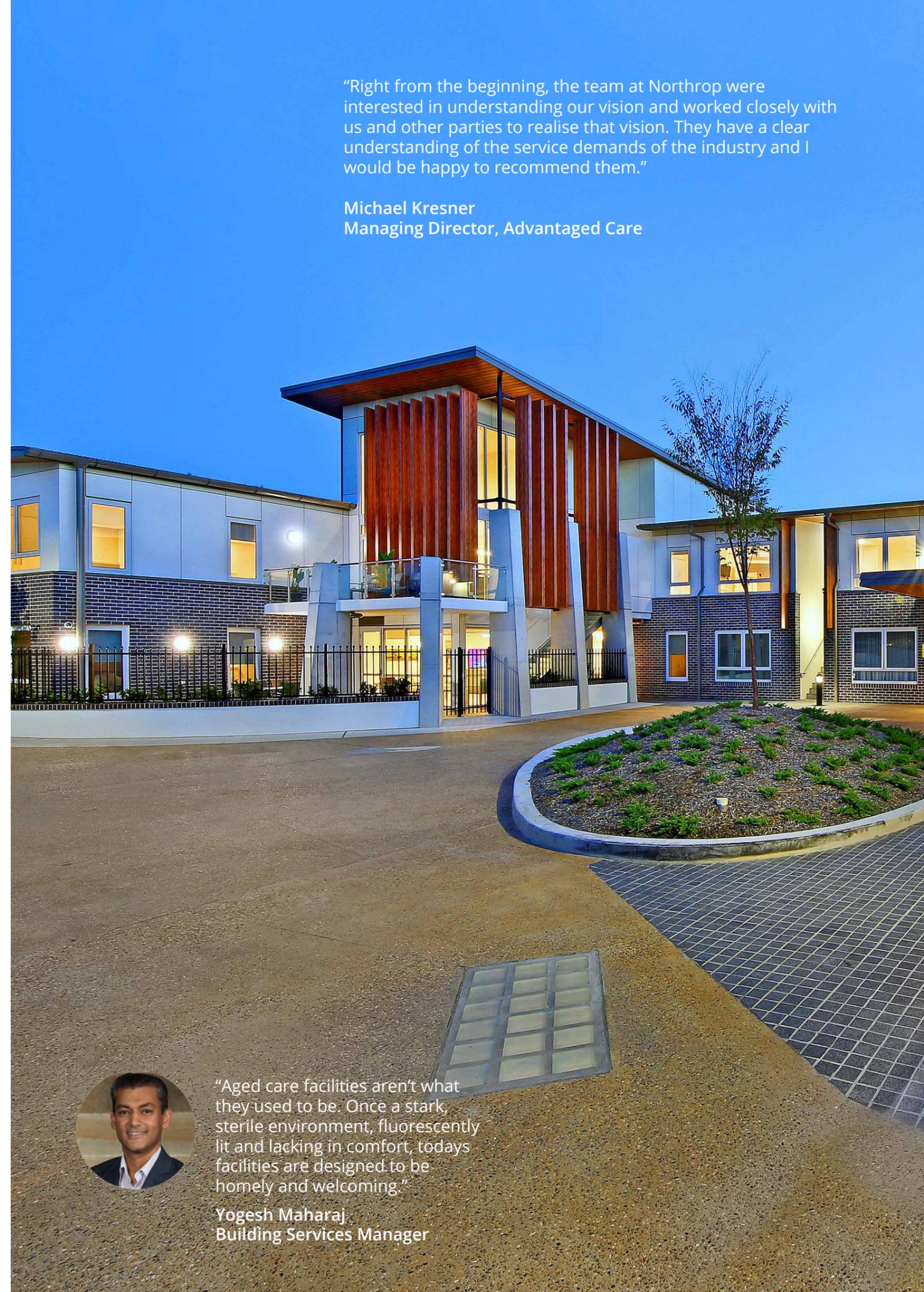
We worked closely with the various utility providers to negotiate the best (and most cost-effective) outcome for our client at every turn.

Our team of engineers, including our high voltage specialist (ASP 3) engaged in early negotiations with Endeavour Energy to investigate the options of servicing the proposed new aged care facility. After initially proposing the developer incur the cost for extending the entire route of the high voltage infrastructure, Endeavour eventually agreed that our client should only incur 25% of the costs.

The communications network with Telstra was another challenge—with limited Internet access connections in the area, we negotiated for the provision of additional connections for the residential facility in the early stages of the project.

"Right from the beginning, the team at Northrop were interested in understanding our vision and worked closely with us and other parties to realise that vision. They have a clear understanding of the service demands of the industry and I would be happy to recommend them."

Michael Kresner
Managing Director, Advantaged Care



"Aged care facilities aren't what they used to be. Once a stark, sterile environment, fluorescently lit and lacking in comfort, today's facilities are designed to be homely and welcoming."

Yogesh Maharaj
Building Services Manager



CASE STUDY 4: OPAL BLACKTOWN

CLIENT: Opal Aged Care

PROJECT: A five-storey, 100-bed aged care facility, Sydney NSW

VALUE: \$25M

PROJECT SUMMARY

- Demonstrates vertical tower design
- Overcame several key challenges to achieve the client's vision, including a large stormwater drain traversing through the site and a nearby railway corridor
- Conducted significant research into vertical tower designs to ensure the five-storey facility met electrical, communications, HVAC, fire safety and sustainability expectations

THE BRIEF

Northrop was engaged by Opal Aged Care to develop a five-storey, 100-bed aged care facility, without losing premium space. The design is very new in the aged care sector, but crucial due to the land price in Sydney driving the need for vertical towers options. We were engaged to help them forge new ground due to our thorough understanding of the design brief and our multidisciplinary approach.

We needed to address two core challenges during the development, including the fact the site was positioned close to a railway line, and complicated stormwater discharge due to development in neighbouring properties. We ensured the client was involved with all negotiations with said properties, as well as the local council, each step of the way.

THE SOLUTION

EXTENSIVE RESEARCH

A significant amount of research into vertical tower designs, as well as building services systems for electrical, communications, HVAC, fire safety and sustainability was conducted during the design process. This enabled us to demonstrate to local council that the proposed design we prepared was compliant and would not have flooding impact on the site. As a result, the stormwater pipe was successfully diverted without impacting the height and shape of the proposed development.



OPEN COMMUNICATION

Lengthy negotiations with neighbouring developers, and light modelling to ensure there was no impact on the existing railway corridor, helped us to establish a joint approach with relevant parties and ultimately saw the project succeed. The client was also kept up to date thanks to a series of workshops we hosted at regular intervals throughout the process.

DESIGN AND CONSTRUCTION WORK AS ONE

Our ability to work closely with the client to ensure the design intent was met during the construction phase reaped huge rewards for this project. Ultimately, the solutions we developed were not dramatically different to low-rise designs, the key differentiator being the location of the plant and the distance of the local room units, all while ensuring we delivered and maintained a cost-effective solution.



“From original concept stage through to the construction of our later additions, Northrop kept their senior principals on our project. This consistency and long-term service enabled us to save time as they understood our drivers and expectations. Northrop’s staff are well across the authority requirements and market trends, they provided practical and cost-effective design solutions.

Northrop coordinated their activities well with our broader team and worked effectively with a remote team. They were flexible in working to novated builders and providing technical review services for builder driven technical items.”

Anthony Dimech
Director, Trademark Consulting



CASE STUDY 5: UNITING AMALA

CLIENT: UnitingCare Australia

CLIENT: Uniting Amala, residential aged care home, Gordon, ACT

VALUE: \$70M

PROJECT SUMMARY

- Successfully developing a challenging site for aged care housing
- Civil engineering, transport engineering, waste planning and structural engineering on a staged development
- Tailored design that suited the client’s nature as a long-term asset holder

THE BRIEF

Northrop was engaged by UnitingCare Australia to provide solutions in civil engineering, traffic engineering, waste planning and structural engineering. The works needed to accommodate a staged development approach, delivered over a number of years, and involved several development applications, tender phases and construction programs.

The project presented a number of challenges that saw the site impacted by overland flow paths on two sides. There were also groundwater issues with the need for management of subsoil drainage, as well as local knowledge of the area crucial to capturing traffic conditions and cost effective structural solutions.

THE SOLUTION

Given the staged development approach of this project and multiple pain points to be addressed, our in-depth local knowledge paired with multidisciplinary design and engineering skills enabled us to offer practical and tailored solutions, all within the required timeframes for our client.

LOCAL KNOWLEDGE

As a local engineer, Northrop had extensive knowledge of local authority requirements paired with national best practice approaches. This enabled us to resolve flood risks while maintaining accessibility requirements and provide practical waste planning solutions that reflected the organisation’s operational practices.



EXTENSIVE RESEARCH AND A TAILORED APPROACH

We carried out an extensive investigation into the care model so we could tailor our design solutions to suit the client’s needs. From there, we explored all site constraints for overland and subsoil flows while modelling waste generation volumes, traffic volumes and the impact of the subsurface conditions on structural systems. Ultimately, we presented a design that successfully managed all project challenges without overcommitting on infrastructure.

THE BENEFIT OF CLIENT INVOLVEMENT

UnitingAustralia was intimately involved throughout the project stages, including in the provision of vehicle surveys and waste surveys undertaken in other facilities. We worked closely to maximise the development area by minimising flood affected ones and maximising accessibility across the site. The resulting traffic solution provided a level of comfort with the authority and a design that facilitated the access of residents to nearby retail and community facilities.



“Incorporating active travel into senior living projects promotes health and community engagement for the benefit of all.”

David Field
Director & Senior Civil Engineer



OUR PEOPLE

Northrop consists of 400+ highly qualified and experienced engineers, technical and drafting personnel, graduates and a large business support team.

Employed for their unique skills and talents, many have 10, 15 or 20 years' experience across civil, structural, building services and sustainability, and are passionate about the senior living and care sector.

At Northrop, we value people over process, so we eliminate unnecessary red tape. This removes barriers to innovation and allows our people to think outside the box, and to make decisions.

We stay at the forefront of national and international trends; we partner with the country's leading organisations, and are on industry boards to ensure we're ahead of the curve. We bring this knowledge to the design table and happily share it with you.

Northrop is employee owned, meaning the team you work with has a direct investment in the success of your project. We also have a stable workforce, with long-term retention rates - about half of the board came to us as graduates. This means that you will work with a consistent team of highly skilled and motivated people, who know the sector and your business intimately.

CONTACT US

BRISBANE

07 3365 0400
brisbane@northrop.com.au
Level 9, 200 Mary Street
Brisbane QLD 4000

CANBERRA

02 6285 1822
canberra@northrop.com.au
SAP House, Level 6, 224 Bunda Street
Canberra ACT 2601

CENTRAL COAST

02 4365 1668
centralcoast@northrop.com.au
Level 1, Suite 4
257-259 Central Coast Highway
Erina NSW 2250

MELBOURNE

03 9600 2645
melbourne@northrop.com.au
Level 3, 520 Collins Street
Melbourne VIC 3000

NEWCASTLE

02 4943 1777
newcastle@northrop.com.au
Level 1, 215 Pacific Highway
Charlestown NSW 2290

PARRAMATTA

02 9241 4188
sydney@northrop.com.au
Suite 2.01, Level 2, 3 Horwood Place
Parramatta NSW 2150

SYDNEY

02 9241 4188
sydney@northrop.com.au
Level 11, 345 George Street
Sydney NSW 2000

WOLLONGONG

02 4226 3333
southcoast@northrop.com.au
Level 1, 57 Kembla Street
Wollongong NSW 2500



WWW.NORTHROP.COM.AU