



Adelaide Airport Terminal
Adelaide, South Australia



World-class Airports



40 YEARS OF
BUILDING STRONG
FOUNDATIONS



Building on strong foundations

DELIVERING EXCELLENCE IN COMPLEX MULTI-DISCIPLINARY PROJECTS



\$7.2B+

Work in hand



11,000+

Employees



25+

Countries



5

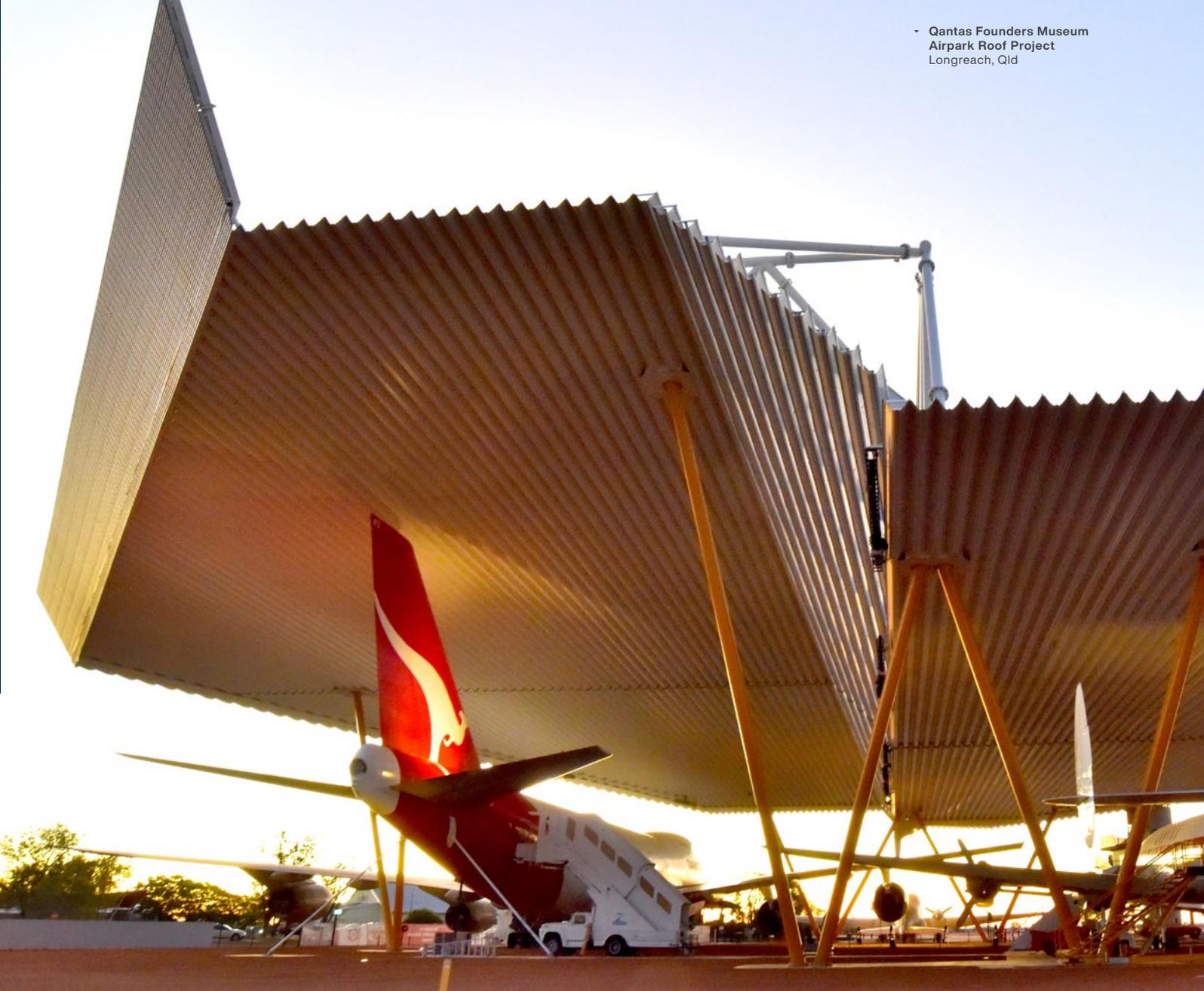
Continents

Global experience delivered locally

BESIX Watpac is a leading multi-disciplinary construction company with four decades of experience in Australia backed by a century of global expertise and financial strength through the award-winning international contractor, BESIX Group. Celebrating 40 years of operations, the company has delivered over \$25 billion worth of projects since establishing as Watkins Pacific in the early 1980's.

Now as part of BESIX Group, we are focused on delivering major projects across all sectors in Australia and New Zealand. Combining Watpac's four decades of local knowledge, delivery excellence, and trusted partnerships, with BESIX Group's international experience and strong balance sheet, we bring the best of the world's capability together.

Whether it's the tallest building in the world, the iconic Burj Khalifa or the Grand Egyptian Museum - from stadiums to hospitals, schools, bridges, resource and industrial projects, port infrastructure, water treatment plants, secure facilities, airports, defence assets and more - *ours is a reputation built on quality.*



In-house engineering expertise

Our in-house team of 150+ engineers operates from three global hubs in Brisbane, Dubai and Brussels. We set new standards in construction through expert structural, geotechnical, sustainability, digital and façade engineering as well as rapidly evolving concrete technology. Our specialists are embedded in project teams to interrogate the design; de-risking projects, maximising value and delivering certainty.



Partner of choice

Leveraging our rich Australian history, we collaborate with our clients and partners to deliver excellence on every project. As genuine relationship contractors, we are invested in our client's success. We have received local, state and national industry recognition for our approach to achieving the best outcome for our clients. A private company with a flat structure, our lean, agile approach guarantees innovative and cost effective solutions.



Local content specialists

We bring 40 years of in-depth local knowledge and understand that the legacy a project creates extends well beyond the end of construction. From urban centres to regional Australia, we actively support local jobs and Indigenous participation while building better communities. This is fundamental to our core beliefs and exemplifies our personalised approach to project delivery.

Airports expertise >>



Securing the future for Australia's airports

Expertise in all airport environments

From slick new terminals to airport system upgrades, we collaborate with our client to understand their unique requirements and deliver solutions to meet growth demands well into the future.

Our experience in delivering exceptional airport infrastructure in Australia and overseas spans projects within landside, sterile and airside environments. We have worked on major upgrade projects that have improved the customer experience and enhanced airport operations. This includes new retail tenancies, international and domestic lounges, duty-free areas, as well as immigration facilities, carparks, external infrastructure and baggage handling systems.



Contemporary airports need to be well-connected, highly integrated and enhance the overall customer experience.

◀ Adelaide Airport Landside Infrastructure
Adelaide, SA

Collaboration is critical to the success of complex airport projects, especially when the works interface with so many stakeholders and systems. We work very closely with our client and other stakeholders before and during works to ensure our methods align with requirements. Our collaborative model has enabled us to deliver projects under budget and ahead of schedule for our clients.

Working in the highly sensitive and dynamic airport environment requires excellent methodologies to safeguard customers and personnel, as well as maintain flight schedules, terminal operations and public amenity. Our flexible response in execution ensures we are well-equipped for working in this type of environment.

We respect the airport's highly secure nature and work with security to understand and comply with all requirements and constraints. All materials and tools move through security, registering each item every time, through a back of house screening area. We also set up sterile event zones surrounded by fences and anyone entering that zone is deemed to be in a sterile environment.

Efficiency created through collaboration

Our airport first approach ensures safety, access and operations are maintained throughout works

Uninterrupted operations

Having no impact on the airport's operations both within and outside of the terminal, as well as to the busy flight schedule is our priority. By staging works, we ensure minimal disruption to operations and all airport stakeholders. When working airside, we understand critical factors that could impact the arrival and departure of planes such as construction material on the tarmac and employ strict mitigation protocols.

Customer safety

We understand that the health and safety of all who visit the airport is paramount, and our approach has received client and industry awards. Our methodologies ensure the safety of airport personnel, retail tenants, passengers and visitors at all stages of construction. This includes excellent communication protocols, planning major disruptive works at night, developing passenger protection infrastructure such as enclosed walkways, and identifying suitable reticulation pathways.



✔ Collaboration and planning

The technical systems are the brain of the airport, and they all have to work together. Our collaborative model guides the way we plan and communicate with all stakeholders and integrate with these system interfaces to achieve the best outcome and eliminate disruptions. This model is also applied when communicating with retail tenancies, and we individually engaging with all impacted tenancies affected by works to understand their unique needs.

✔ Live environment expertise

Our team specialises in the delivery of projects within live operating sites and understands that safety and continuity of operation is paramount. We undertake meticulous planning and employ best-practice methodologies to ensure the safety and wellbeing of airport personnel, tenants and customers. We also minimise the visual impact of works by using unobtrusive screens and other methods to reduce any impact our works have on the customer experience.

Collaborative excellence

ADELAIDE, SOUTH AUSTRALIA



964,000

hours worked



21,400 m²

expansion



14,600 m²

refurbishment

Adelaide Airport Terminal Expansion

The major expansion and refurbishment of the existing terminal has substantially increased the airport's size to support forecast passenger growth over the next 10 years. The highly coordinated and complex project was delivered in a challenging live environment with passenger and airport personnel safety the highest priority.

Our alliance-style contract delivered in close collaboration with Adelaide Airport Limited and other stakeholders ensured efficient delivery of all project stages with no interruption to public spaces or the flight program.



CLIENT

Adelaide Airport Limited



VALUE

\$165M



EXPERTISE

Design + Construct



TIMELINE

2018 - 2021



As with any project, safety is our absolute top priority – which can be challenging when working in a live environment. The team’s commitment to worker, public and airport personnel safety resulted in zero LTI’s over three and a half years. ”

AI Crosby
BESIX Watpac South Australia Manager

- ✔ 0 lost time injuries
- ✔ New and upgraded areas included the concourse and retail areas, baggage claim, international arrivals and emigration areas, lounges, general offices and plant areas
- ✔ Innovative façade design including a curtain wall system with integrated glazing units and proprietary louvred façade maximises external views and energy efficiency while reducing maintenance
- ✔ 110 hoarding plans and 50 staging plans developed to manage the constantly changing site layout and working conditions due to the large number of stages and work zones
- ✔ Works undertaken in a challenging live environment across airside, landside, sterile and Border Agency zones with no disruption to the airport’s operations

Complex construction

ADELAIDE, SOUTH AUSTRALIA

Adelaide Airport Landside Infrastructure

Works included building a new 2,000 space five-level multi-deck carpark with hire car, valet, taxi and bus facilities as well as a pedestrian access plaza and a link bridge connecting the carpark to the terminal.

- ✓ A structurally complex curved and twisted rhomboidal steel screen structure spanning 160 metres and varying in height from 10 to 15 metres
- ✓ Collaboration with subcontractors to ensure accurate fabrication of the steelwork and optimal construction methodology used for the steel screen
- ✓ The plaza features architectural landscaping, curved feature canopies and a pedestrian link bridge
- ✓ 12,000 square metre granite paved pedestrian plaza



CLIENT

Adelaide Airport Limited



VALUE

\$76M



EXPERTISE

Construct Only



TIMELINE

2011 - 2013

First chapter for new airport

WESTERN SYDNEY, NEW SOUTH WALES

Western Sydney Airport Experience Centre

The first design and construct package for the new Western Sydney Airport involved the delivery of a new visitor centre to showcase the proposed airport to a variety of stakeholders including the local community and international business.

- ✔ Works also included construction of site accommodation to be used as the project management office for the duration of the new airport's build
- ✔ Completing design from 70 per cent to 100 per cent
- ✔ Coordinating the design, manufacture, supply and installation of the mass timber structure
- ✔ Design and fit-out of the interactive display
- ✔ Excavation, civil and site works



CLIENT

Western Sydney Airport



VALUE

\$21M



EXPERTISE

Design + Construct



TIMELINE

2018 - 2019



Excellence in safety

BRISBANE, QUEENSLAND



48

tenancy shells



2

projects

BAC Domestic Terminal Retail Upgrade Stage 1 and Stage 2

A showcase of excellence, the major upgrade to Sydney's Overseas Passenger Terminal delivered increased passenger capacity as well as improved operational efficiencies for the busy terminal.

Maintaining full terminal operations and minimising disruptions to personnel, pedestrians, local businesses and were paramount. Our team adopted a highly collaborative approach to engagement to ensure these requirements were met.



CLIENT

Brisbane Airport Corporation



VALUE

\$10M (Stage 1) \$31M (Stage 2)



EXPERTISE

Design + Construct



TIMELINE

2015 - 2016; 2018 - 2020



It's a building that's very busy, and our highest priority was to approach the job as a large builder that could be invisible. The works we were conducting would normally be considered an invasive exercise in this type of live environment, but we ensured that the customer wasn't aware of works. ”

Fran Diaz
BESIX Watpac Project Manager

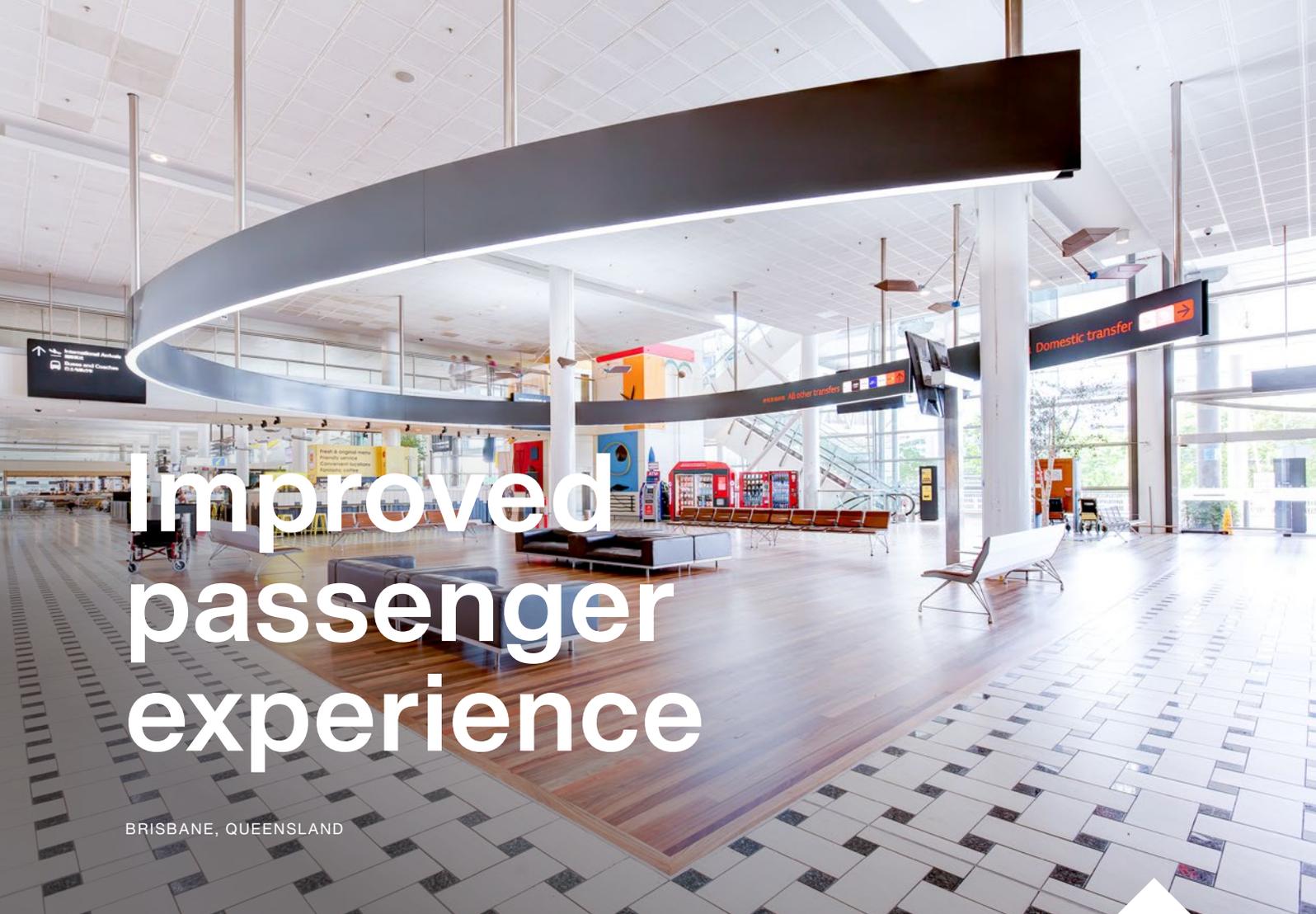


Multi-award Winner

- 2021 Excellence in Workplace Health and Safety
Master Builders Queensland (Brisbane)



- Stage 2 involved upgrading 48 tenancy shells and refurbished food hall at the Qantas end of the terminal
- Stage 1 involved a major redevelopment of the Virgin Australia end of the terminal including the retail tenancies
- Tenancy base shells were demolished, stripped out and new tenancy shells constructed
- Modification of existing services and provision of an expanded services infrastructure network
- Works undertaken landside, airside and in sterile zones
- Received client's safety award for unrelenting commitment to safety
- An \$12 million upgrade to the Virgin Australia Lounge was undertaken prior to Stage 1 works



Improved passenger experience

BRISBANE, QUEENSLAND

Brisbane Airport International Terminal Transfer Upgrade

Passenger connection times between the Domestic and International terminals have been significantly improved through this project. Our team delivered works in two stages to ensure no disruption to terminal operations and passengers.

- ✓ Redevelopment and upgrade of existing baggage handling systems at the international terminal
- ✓ Increased processing capability at the international level 2 bag drop area
- ✓ New Transfer Check-in area at level 2 international arrivals
- ✓ Relocation of bus stops at level 2 of the international terminal to avoid intersections with other passengers
- ✓ New passenger transfer way-finding signage across the end-to-end journey
- ✓ 2.4-metre hoardings used to completely isolate works from passengers



CLIENT

Brisbane Airport Corporation



VALUE

\$2.5M



EXPERTISE

Design + Construct



TIMELINE

2017 - 2018

Engineering value

BRISBANE, QUEENSLAND

Brisbane Airport Virgin Australia Baggage Handling System Upgrade

BIM was used to add value to the overall project by enhancing communications, mitigating risks, and achieving time and cost savings. We handed the model over to our client at project completion as the application is excellent at supporting facility management through its precise recording of assets.

- ✓ Three new baggage conveyor belts
- ✓ Upgrade of existing baggage conveyor belts, baggage handling software and x-ray machines
- ✓ Extension of the canopy from DTB to cover new conveyor belts
- ✓ New extended mezzanine and gantry for x-ray machines and bag sorting
- ✓ Installations of mechanical, electrical and fire services to accommodate the new baggage operations



CLIENT

Brisbane Airport Corporation



VALUE

\$10M



EXPERTISE

Managing Contractor



TIMELINE

2016 - 2017



Fast-tracked procurement

DARWIN, NORTHERN TERRITORY



11,000 m²

expansion



100%

local participation during installation



2,129

site inductions

Darwin International Airport Terminal

Darwin Airport's passenger capacity was significantly increased through an expansion that almost doubled the terminal's footprint. Programming was planned around the Territory's weather with elements fast-tracked to seal the building before the 'wet'.

Local participation was one of the project's key priorities. The team actively engaged local businesses wherever possible and all installation works including services, windows, roofing, external cladding, core and stair precast panels were carried out by local trades.



CLIENT

Darwin International Airport



VALUE

\$47M



EXPERTISE

Design + Construct



TIMELINE

2014



A large part of our growth and success as a national company has been the extensive local networks we have developed in each of our operating regions. The Darwin International Airport project was a clear example of our commitment to supporting local businesses wherever possible. ”

Barry Whewell
BESIX Watpac General Manager Queensland and Northern Territory



- ✔ 11,000 square metre expansion increasing the terminal's footprint to 27,000 square metres
- ✔ Fast-tracked design and procurement for the Qantas Club Lounge upgrade ensuring it was ready to open once the terminal was complete
- ✔ Critical works carried out during the dry season to avoid any delays due to the monsoonal weather
- ✔ Time saving initiatives included using off-site procurement for structural steel and precast hollow panels
- ✔ Airside works carried out with no disruption to airport operations or flight carriers





Multidisciplinary expertise

BRUSSELS, BELGIUM

Brussels International Airport

Multiple upgrades at Belgium’s largest airport showcase the diverse capability of BESIX. Projects included the delivery of a new terminal, additional piers, and high-speed rail infrastructure. The most recent works have delivered a number of logistical buildings.

- ✔ 20+ year relationship with client
- ✔ A new seven-level terminal and two new three-level piers to accommodate extra gates
- ✔ 300-metre long rail tunnel 400 metres beneath the tarmac and terminals
- ✔ New logistics and trans-shipment platform including a 50,000 square metre warehouse and 10,500 square metres of office space
- ✔ 88 loading bays and 338 vehicle carpark



CLIENT

Brussels International Airport Company



VALUE

\$710M



EXPERTISE

Construct Only



TIMELINE

1990 - 2020

Exceptional quality

DOHA, QATAR

Hamad International Airport

BESIX partnered with construction engineering company, Midmac to deliver the third phase of the passenger terminal complex for the Hamad International Airport, a new north node and passenger terminal.

- ✓ New north node over six floors with a transfer zone, arrival areas and 100-room hotel
- ✓ Construction of the 128,000 square metre, three-storey Concourse D & E including civil engineering works, air conditioning installations and the highest quality of finishes
- ✓ One of the Middle East's largest airports with its infrastructure spanning 36 square kilometres
- ✓ The upgrade enabled the airport to meet the demands of receiving over 30 million passengers each year



CLIENT

New Doha International Airport Steering Committee



VALUE

\$975M



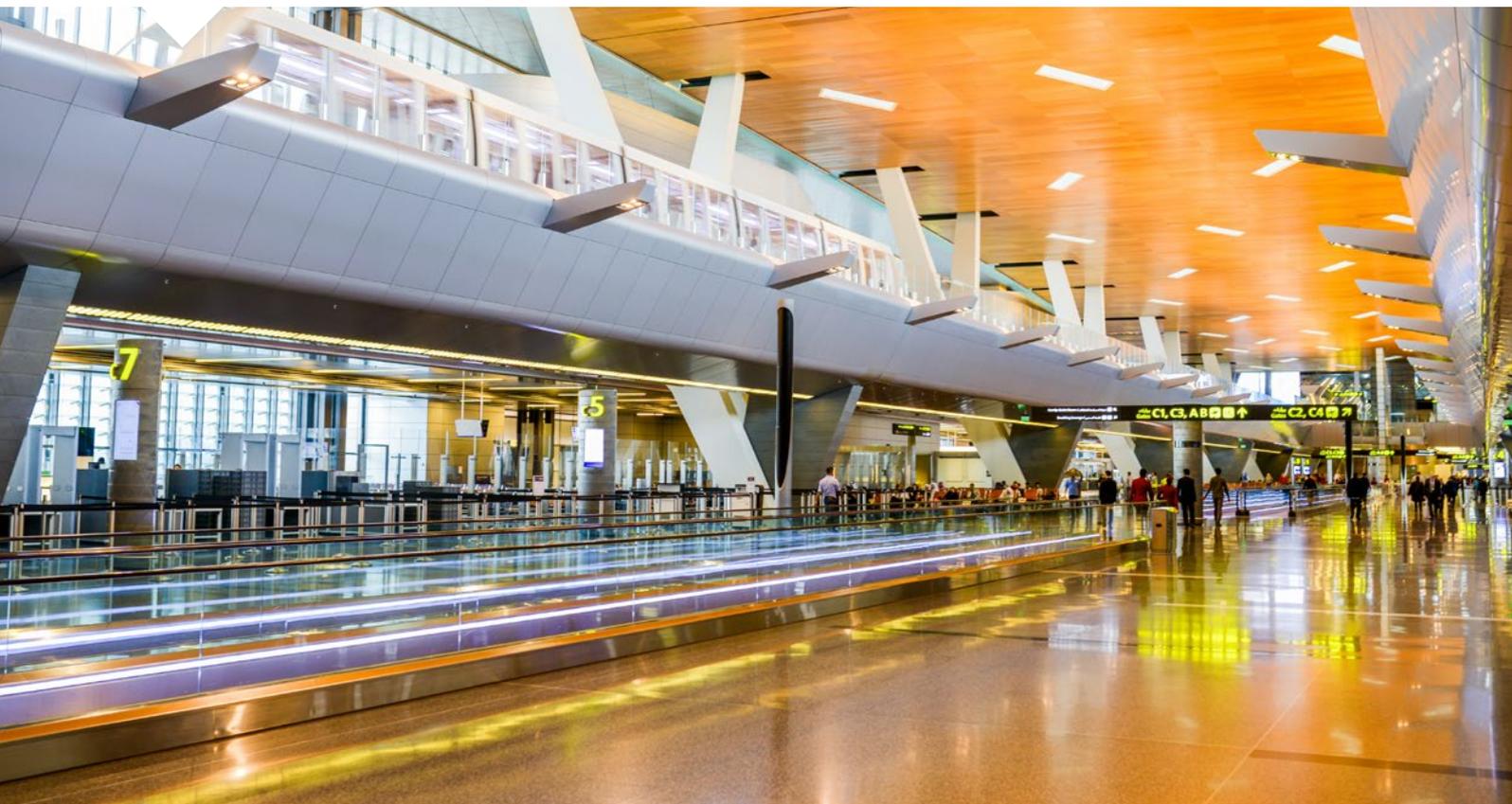
EXPERTISE

Construct Only



TIMELINE

2010 - 2013



Partner in excellence

OUR PURPOSE

WE EXCEL IN CREATING SUSTAINABLE SOLUTIONS FOR A BETTER WORLD

OUR VALUES



Excellence

We are committed to operational excellence, high performance and delivering on our promises safely.



Co-creation

We collaborate with our clients and partners to drive innovation that makes a difference.



Respect

We are genuine, considerate and act with integrity and candour.



Passion

We seek to inspire, going the extra mile to achieve results that exceed expectations.



Unity

We work as one team to achieve our shared purpose.





▲ Adelaide Airport Terminal Expansion, Adelaide SA



Best for project teams

Our teams are hand-picked specifically for each project. We bring together the best people, consultants, sub-contractors, delivery partners and networks to ensure the right technical skills, cultural fit and client focus to achieve on-time and on-budget project delivery.



Culture of excellence

By investing in the development and wellbeing of our people, we create a culture focused on safety and exceeding client expectations. This is underpinned by our values and supported by our in-house leadership program, formal continuous improvement processes and structured knowledge sharing across the BESIX Group.



Flexible, streamlined project delivery

We partner with our clients to deliver projects through various contracting methods, including Public Private Partnerships (PPPs), Managing Contractor, Early Contractor Involvement (ECI), Design and Construct (D&C), or Construct Only. Irrespective of the contract model, we embrace a flat management structure to enable streamlined communication between all project stakeholders to make clear and efficient decisions.



Building Information Model (BIM)

Building Information Modelling affords numerous benefits to the design, construction and operation of a project. Our dedicated BIM Manager oversees design development and coordination of the BIM datasets. By working closely with the design team and cost planner, efficiencies are fully leveraged and any clash detection identified. This enables constructability issues to be resolved well before construction begins. BIM processes can be further utilised to verify BIM elements to the as-constructed form. Ideally the BIM datasets are then used to optimise asset life and facilities management.



Safety, quality and sustainability

While our systems are certified to Australian, New Zealand and ISO standards, it is our commitment to continuous improvement that ensures we bring best-practice safety, quality and environmental outcomes to all our projects. We have experience in delivering commercial projects to achieve a minimum 5 Star Green Star Design and As-built Ratings.

Partnering with an experienced contractor who genuinely collaborates to deliver excellence on every project.

Sustainability

OUR PURPOSE IS TO EXCEL IN CREATING SUSTAINABLE SOLUTIONS FOR A BETTER WORLD

We are committed to protecting and preserving our way of life and play our part to make our operations more sustainable. Our actions are guided by our Sustainability Strategy which outlines our approach and key priorities across Environment, Social and Governance (ESG).

Our goal is for our projects to leave a positive legacy for the environment, our people, communities and future generations.





Community Fund

The BESIX Watpac Community Fund is a way for us to align with like-minded organisations to fund and support projects across a range of initiatives. Our focus areas are Community Health, Education & Literacy and Environment & Food Rescue – prioritising opportunities for First Nations people.



80%+

Average portion of total construction hours by local trades and businesses



800+

Jobs created for Indigenous people



\$14.5M+

Indigenous spend



2M+

Training hours achieved across 60 projects



Our blueprint for vibrant communities

- ✓ Procurement and tendering processes are transparent, fair and locally driven
- ✓ Trade packages are broken down to reduce risk and create local opportunities
- ✓ Sub-contractors are connected with Indigenous people and are supported to succeed
- ✓ Training pathways are established through local tertiary institutions including universities and colleges
- ✓ Benefits are created beyond construction such as support for community programs

► BESIX Watpac's Reconciliation Action Plan artwork

Experience you can count on

Pre-2009

- • Brussels International Airport Terminal Upgrades
Brussels, Belgium



2013

- • • • Adelaide Airport Landside Infrastructure Project
Adelaide, SA

Adelaide Airport Infrastructure Services Corridor Works
Adelaide, SA



2015

- • • Virgin Australia Business Lounge - Brisbane Airport
Brisbane, Qld



2010

- • • Hamad International Airport
Doha, UAE

2014

- • • Darwin International Airport Terminal Expansion
Darwin, NT

Darwin Airport Qantas Club
Darwin, NT

2017

- Brisbane Airport Virgin Australia Baggage Handling System Upgrade
Brisbane, Qld

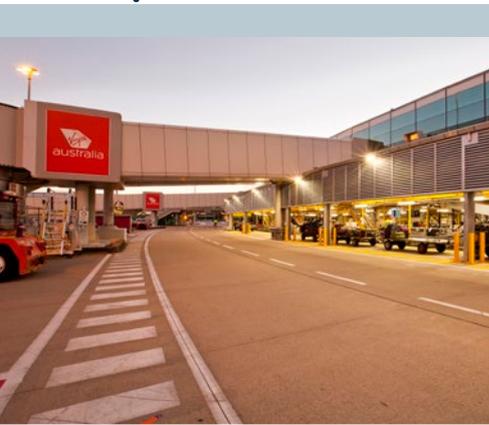
2019

- Western Sydney Airport Experience Centre
Western Sydney, NSW

2020

- Brisbane Airport Domestic Terminal Retail Upgrade Stage 2
Brisbane, Qld

Qantas Founders Museum Airpark Roof Project
Longreach, Qld



2016

- Brisbane Airport Domestic Terminal Southern Retail Upgrade
Brisbane, Qld

2018

- Brisbane Airport International Terminal Transfer Upgrade
Brisbane, Qld

2021 & beyond

- Adelaide Airport Terminal Expansion
Adelaide, SA

Brussels International Airport Logistics Platform
Brussels, Belgium

