



Facilities for **Food Processing** and Distribution



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.*



• Swickers Pork Factory, Kingaroy, Queensland



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.

Food processing project expertise >>



Smart solutions for a specialised sector

Driving efficiency, reliability and quality in food processing and distribution.

Population growth, advances in technology, higher food safety standards, a drive towards sustainable production, changing consumer behaviour and increasing operational costs are shaping the future of the food manufacturing industry.

To meet these challenges, food manufacturers are investing in the latest plant technology and automation, to increase productivity, maintain product quality and achieve performance targets.

BESIX Watpac's industry-leading food processing engineers have deep industry knowledge and experience and are a trusted partner for food manufacturers who are building, expanding, or upgrading their facilities.



Time and time again our clients trust us to deliver industry-leading food manufacturing facilities.

• **Swickers Pork Factory**
Kingaory, Queensland

Our specialist team is well equipped to design, engineer and construct state-of-the-art, environmentally controlled facilities - from end-to-end processing to procurement and commissioning of specialist equipment, cold storage rooms, highly technical boning rooms, live animal sheds, and large-scale packing and distribution centres.

With nearly 40 years of proven capability, our team has the experience and know-how to work in live environments maintaining critical operations while delivering fit-for-purpose upgrades and expansions. Our precision planning and

collaborative approach ensures minimal disruption to operations - delivering a high-quality project while safeguarding our client's business.

Regardless of the scope or scale of the project, we work hand-in-hand with our valued clients to first and foremost understand their business objectives, and then design the optimal solution.

Trusted delivery partner

Zero unplanned disruptions

We specialise in live operating environments and work closely with project stakeholders to tailor staged programmes that ensure businesses remain operational throughout works. Through exceptional communication, micro-planning, and flexibility, we ensure the separation of construction activities from operational areas. Safeguarding mission-critical operations with zero unplanned disruptions is our top priority.



^ Teys Storn Recovery Project, Rockhampton, Qld

Controlled environment expertise

Hygiene is a critical factor in food processing, and this means creating a controlled environment suitable for optimised food processing and storage. We access significant factors including room temperature and pressurisation, humidity levels, steam extraction, lighting levels, and materials selection for floors, walls, and ceilings along with room hygiene detailing to facilitate ease of cleaning. We also incorporate staff changing areas equipped with protective clothing and hygiene entry equipment that will comply with stringent export guidelines for food construction.



^ Swickers Pork Factory, Kingaory, Qld



• Baiada Protein Plant
Tamworth, New South Wales

✓ Process engineering

We understand that exceptional process design is the heart of a food processing facility and work closely with clients to thoroughly understand requirements to the most precise detail. Leveraging our process engineering capability, we create optimal lay-outs to maximise process flow, incorporate state-of-the-art equipment from specialised local or international suppliers to achieve greater efficiencies, all geared to maximising output while maintaining the highest quality.

✓ Food standards and compliance

With extensive experience in this highly specialised industry, we know that compliance with stringent government Food Safety Standards and rising expectations from food retailers is paramount. We work closely with clients to ensure they can meet mandatory Safe Food Australia standards aimed at minimising the incidence of food-borne illness by building in state-of-the-art hygiene processes and environmental controls critical to safe food preparation and storage.

✓ Security and safety know-how

We know clients often have unique processing methods and equipment to develop prototype products and that protecting intellectual property is vital. As highly experienced operators, we maintain confidentiality while using our extensive knowledge to benefit current and future clients. Safeguarding the product is fundamental as is the safety of all the facility users. We specialise in personnel circulation, entry and egress, and incorporate advanced security features such as biometric scanning.

✓ Collaborative relationship

The most effective delivery of food processing projects requires deep collaboration and a thorough understanding of functionality to ensure we can add the greatest value. Communicating with our clients every step of the way is crucial to realising their vision while delivering a tailored, fit-for-purpose project. From facility managers to the local supply chain and the broader community, we work in a cooperative and flexible way to ensure that expectations are clearly understood, safety and security is maintained, opportunities maximised, and risks mitigated.

Fast-tracked delivery

KINGARROY, QUEENSLAND



7,000 m²

Area of new facilities across 4 new buildings



300

peak site workforce



12

month timeline



3

hours from Brisbane

Swickers Pork Factory

Following a fire that destroyed the Swickers Kingarroy Bacon Factory, BESIX Watpac was engaged to reconstruct the boning and carcass chilling facility. We rapidly spearheaded the reconstruction process, collaborating with local trades and engaging with the European processing equipment supplier to procure specialised equipment. This was a turnkey project involving the full design and construction of the buildings, procurement, installation and commissioning of the processing equipment.

Our rapid response enabled the factory to return to full production less than 12 months after the fire.



CLIENT

Swickers Kingarroy Bacon Factory



VALUE

\$90M



EXPERTISE

Design and Construct



TIMELINE

2016 - 2017



- ✔ 7,000m² of new facilities across four new buildings
- ✔ Mobilising a specialist food industry design and construction team was pivotal to the fast reconstruction
- ✔ Procuring and managing quality local trades with a peak site workforce of 300
- ✔ Construction methodology allowed demolition of the affected building while simultaneously developing design and engineering documents

“Our collaborative approach with the client and overseas equipment supplier allowed us to deliver a highly specialised food processing site on a tight schedule that met rigorous food standards.”

Drew Brockhurst
General Manager Qld and NT
BESIX Watpac



State-of-the-art processing facility

TOOWOOMBA, QUEENSLAND

Asterion Australia

The proposed new \$400 million medical cannabis processing facility on the Darling Downs is expected to be among the largest glasshouse facilities in the world. We have been engaged to design the large-scale growing and manufacturing facility with an option to build the glasshouse for cultivation and processing in addition to a research centre and manufacturing facility, including administration and staff facilities.

- ✔ Engaged under an Early Contractor Involvement (ECI agreement)
- ✔ Global consultants engaged from the Netherlands, USA and Canada
- ✔ Proposed 40-hectare state-of-the-art glasshouse
- ✔ Facility expected to produce 500,000 kilograms per year of medicinal cannabis
- ✔ Potential export value of more than \$1 billion



CLIENT

Asterion Australia



VALUE

Confidential



EXPERTISE

Design and Construct Option



TIMELINE

2021 - 2022

TAMWORTH, NSW

Enduring partnership

Oakburn Processing Project

BESIX Watpac was engaged to design the large-scale, greenfield poultry processing plant for our valued repeat client. A testament to our trusted long-standing relationship, we've delivered more than half a dozen projects for Baiada poultry over the last decade. This substantial abattoir in a primary regional location will be one of the largest poultry processing plants in Australia.

- ✓ Staged design pricing processes to provide overall flexibility for client
- ✓ Advice, sourcing and coordination of international processing equipment supplies
- ✓ Greenfield site with complete services reticulation including all buildings, roadways, carpark and truck maneuvering



CLIENT

Baiada Poultry



VALUE

Confidential



EXPERTISE

Design and Construct



TIMELINE

2021 - 2022



Delivering excellence

BEENLEIGH, QUEENSLAND



7,000

cartons storage facility



16hr

freeze time



12

month construction
timeline



0

hours shutdown time

Teys Plate Freezer

We delivered this project in two phases including design and construction of a new turnkey plate freezer facility on the Teys Beenleigh site, as well as associated infrastructure works. This automated plate freezer is one of the largest in Australia, capable of freezing over 7,000 cartons of red meat per day. The scope of works also involved the demolition of existing buildings and structures, all while the facility was operational 24 hours, six days a week. The new plate freezer allows Teys to take advantage of the market demands for frozen export products.



CLIENT

Teys Australia



VALUE

\$20M



EXPERTISE

Design and Construct



TIMELINE

2015 - 2016



We minimised impacts to operations by adapting and working around deliveries and clear site constraints.”

Greg Sneyd
Sector Lead Speciality Services
BESIX Watpac

- ✔ Supply, installation and commissioning of the plate freezer equipment
- ✔ Infrastructure included the electrical transformer, a conveyor system and refrigeration system
- ✔ New suspended carton tunnel to link new plate freezer building to facility loading dock and processing areas

World-class rebuild

OAKBURN, NSW



Zero

safety incidents



6,000 m²

floor space



70%+

approximate local contractor involvement

Baiada Protein Plant

Following a fire that destroyed the original facility, BESIX Watpac delivered a new, world-class protein plant for Baiada Poultry. In addition to design and construction, we also handled building assessment, insurance negotiation and coordinating all services.

Significantly, the design phase involved liaising with the client's Danish equipment suppliers to ensure that the new space would adequately accommodate the necessary machinery.



- ✔ One 10,000 kVA and four 1,500 kVA HV transformers required to power the new facility
- ✔ Additional works included the creation of new access roads and civil infrastructure to suit the redesigned building layout
- ✔ Comprising a structural steel formed building clad with pre-cast walls and metal cladding, all on reinforced concrete slabs and foundations



CLIENT

Baiada Poultry Pty Ltd



VALUE

Confidential



EXPERTISE

Design and Construct



TIMELINE

2013 – 2015



Live environment expertise

ROCKHAMPTON, QUEENSLAND

Teys Storm Recovery Project

Keeping the Teys red meat processing facility operational after Cyclone Marcia tore through Rockhampton in 2015 was paramount. We worked closely with our client to ensure operations and services continued without disruption, in urgent remediation works immediately following the cyclone and again two years later when we undertook further upgrades.

Storm damage works included removal of damaged asbestos roofs, repairs to other structures, civil work remediation, repairs to services infrastructure and clean up and removal of debris. We also established temporary facilities and services to ensure normal production could be maintained on site.

Operations continued unabated as we later installed a new amenities building, dry store, workshop, and compressor building as well as associated works.

- ✔ Demolition of several large existing buildings and tunnel structure
- ✔ Complete refurbishment of the main office
- ✔ New external hardstand and roadway works and extensive landscaping
- ✔ New main switchboard room plus power reticulation to service the new buildings



CLIENT

Teys Meats



VALUE

\$20M



EXPERTISE

Design and Construct



TIMELINE

2017 – 2019

HANWOOD, NSW

Collaborative approach

Bartter Chickens Protein Plant

Located within a large operational processing facility, this project involved the design and construction of a new protein rendering facility. BESIX Watpac liaised closely with the Danish equipment manufacturers throughout the design to ensure this low render facility would provide the best outcomes for workers, neighbours and the environment.

- ✔ Australia's biggest chicken supplier with brands including Steggles and Lilydale
- ✔ Features include tilt panel walls, steel framework and new services to accommodate the rendering equipment
- ✔ Coordination of international process equipment supplier from Denmark
- ✔ Live environment expertise resulting in zero shut down time of operation



CLIENT

Bartter Chickens



VALUE

Confidential



EXPERTISE

Design and Construct



TIMELINE

2013





Cutting edge environment control

ROCKLEA, QUEENSLAND

Brisbane Markets Northern Warehouse and Gatehouse

The Brisbane Markets Northern Warehouse is a significant addition to the existing Brisbane Markets precinct. The facility is primarily used for storing and packing fresh produce for customers both locally and abroad.

A key feature of this project was the installation of cutting-edge, fast cooling rooms that considerably improve the longevity of the produce.



CLIENT

Brisbane Markets Limited



VALUE

\$10M



EXPERTISE

Design and Construct



TIMELINE

2010 – 2011



Despite major 2011 Brisbane flooding, which fully inundated the project, the team successfully delivered on time and on budget.

Greg Sneyd
Sector Lead Specialty Services
BESIX Watpac

- ✔ 4,500m² specialised environment controlled facility
- ✔ 24 metre long piles required to secure the foundations due to the proximity to a creek
- ✔ Set new standards in quality and aesthetics for the market place
- ✔ With works taking place in a bustling live market environment, our team collaborated with Brisbane Markets and other stakeholders to reduce disruptions



Facility and process specialists

GIRRAWEE, NEW SOUTH WALES

Cordina Chicken Farm, Freezer Replacement

BESIX Watpac delivered the design and construction of a new chiller/future process building to replace an outdated facility. Integration with adjacent buildings and existing manufacturing processes was an important part of the project's scope.

Our design overcame the temperature differentials where the new chiller adjoins the existing freezer, process area and ambient areas while still maintaining the essential fire compartmentation.



- ✔ Fully operational processing plant delivered with zero downtime for the client
- ✔ Completed on time and on budget with an immaculate safety record
- ✔ Our extensive experience and relationship management skills enabled us to facilitate a complex national development approval process



CLIENT

Cordina Farms



VALUE

Confidential



EXPERTISE

Design & Construct



TIMELINE

2009



Specialist solution

NARACOORTE, SOUTH AUSTRALIA

Teys Meat Processing Plant

Successfully completed ahead of schedule for our valued repeat client Teys Australia, the upgrade to the Naracoorte facility incorporated a New Chiller and Marshalling Room along with new Hogger Building and equipment.

Our live environment expertise ensured the project was staged and constructed without disruption to operations at the facility, which is located in a remote district of south-east South Australia.

The structure consisted of screw piles, pad footings and structural steel, clad with cool-room panelling typical of this type of facility.

Specialist equipment was imported from Belgium and China to meet the requirement for a highly technical meat rail automation. Refrigeration was also a major performance item critical to a successful outcome.



- ✔ Replacement of existing chiller building asbestos roof
- ✔ Process building extension including Hot Beef Passage and Cold Beef Passage
- ✔ New refrigerated building with environmental controls



CLIENT

Teys Australia



VALUE

\$19M



EXPERTISE

Design & Construct



TIMELINE

2019 – 2020



Comprehensive upgrade

SOUTH AUSTRALIA

Adelaide Poultry Facility Upgrade

A power upgrade at the facility involved the installation of two new HV transformers, the design, supply and installation of two new main switch boards and the installation of associated cable and sub board installations. Primarily this work was to accommodate the increased power requirements for a new chiller plant and future plant expansion.

A further comprehensive fire safety upgrade of the Baiada Poultry facility resulted in significant savings for the client.

Expansion of the Adelaide based poultry facility had reached a point where it exceeded the Building Code of Australia provisions for fire compartmentation. The poultry processor was required to provide a strategy to rectify this non-compliance or install costly internal fire separation walls and a sprinkler system.



- ✔ BESIX Watpac managed the development of the fire strategy as well as the implementation of the fire safety upgrade and ensured that all the deliverables in the Fire Engineer Report were met.
- ✔ The upgrade included a hydrant ring main, hydrant pumps, hydrant water storage tanks, fire hose reels, smoke and thermal detection, occupant warning system, emergency light and operational evacuation procedure and training.



CLIENT

Baiada Poultry



VALUE

Confidential



EXPERTISE

Design and Construct



TIMELINE

2011 – 2014

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.



Queensland Country Bank Stadium, Townsville, QLD





▲ Teys Plate Freezer
Beenleigh, Queensland



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

2008

- **Coca Cola Amatil Line 1 and ARTD Facility**
Richlands, Qld



2011

- **Brisbane Markets Northern Warehouse and Gatehouse**
Rocklea, Qld
- **Baiada Chiller Extension**
Mareeba, Qld



2013

- **Baiada Poultry Rendering Facility Demolition**
Tamworth, NSW
- **Gotzinger Smallgoods Refurbishment**
Yatala, Qld



2009

- **Cordina Chicken Farms Freezer Replacement**
Girraween, NSW

2012

- **Adelaide Power Upgrade**
Adelaide, SA

2013

- **Bartters Poultry Protein Plant**
Hanwood, NSW
- **Beresfield Dry Goods Store and Workshop**
Beresfield, NSW

2014

- Adelaide Poultry Facility
Fire Upgrade
Adelaide, SA

- Baiada Poultry Live Bird Shed
Expansion
Hanwood, NSW



2020

- Teys Meat Processing Plant
Naracoorte, SA



2015

- Teys Cyclone
Remediation Work
Rockhampton, Qld

- Baiada Poultry Services
Building
Griffith, NSW

- Vic's Meats Redevelopment
Mascot, NSW

2016

- Teys Plate Freezer
Beenleigh, Qld

- Brisbane Markets Limited G2
Building Refurbishment
Rocklea, Qld

2019

- Teys Storm Recovery Project
Rockhampton, Qld

2023 & beyond

- Asterion Australia
Toowoomba, Qld

- Oakburn Processing
Project
Tamworth, NSW



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