

ALLIED

GRAIN SYSTEMS



CAPABILITY
STATEMENT

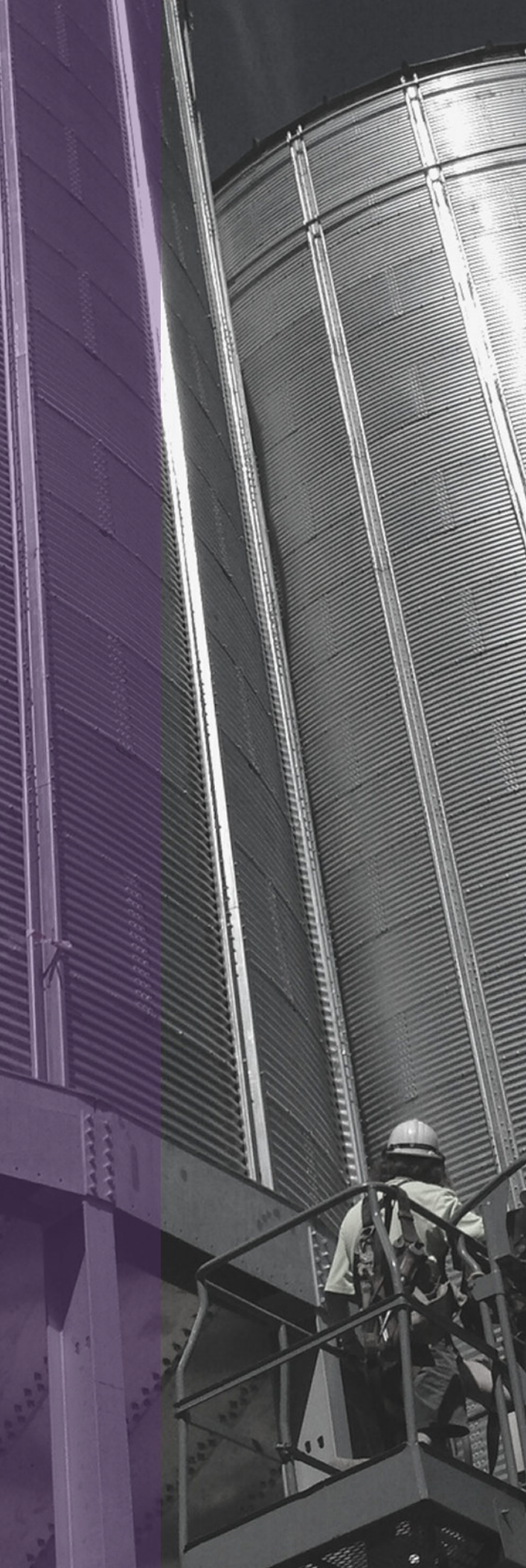
ABOUT US

Allied Grain Systems have over 30 years experience in the grain storage and conveying industry. We are market leaders in this field. Our philosophy is to build cost-effective grain storage and handling systems that suit specific requirements, will last, and take into consideration future needs to remain cost-effective to run and maintain, all without compromising quality.

A handwritten signature in black ink, appearing to read 'J. White', is displayed on a light background.

JOHN WHITE

DIRECTOR



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COMPANY OVERVIEW

Allied Grain Systems are Australia's leading engineering, design, supply and installation specialists in grain storage and handling systems.

Connecting Australia to the world's market leading suppliers provides our customer with superior options in products and technology. This edge is what makes Allied a standout when designing high tech economic solution for your grain handling needs.

All structural components are manufactured inhouse at our steel fabrication plant in Young NSW using all Australian steel and shipped nationally.

Allied's engineering team has over 100 years combined experience in the following:

- **DESIGN & SCOPE**
- **CONSTRUCT**
- **PROJECT MANAGEMENT**

Rest assured your investment in grain solution will be cultivated by the best in the industry from initial design right through to commissioning.

PROJECT MANAGEMENT

Allied Grain Systems have many years of experience in Project Design and full project management service to take clients' projects from concept to completion. We work with our clients to ensure they achieve the project outcomes they require. Our emphasis is on safety and providing practical and technically sound grain storage and handling facilities.

CORE VALUES

- **SOLUTIONS**
- **ENGINEERING EXCELLENCE**
- **REPEAT BUSINESS/CUSTOMER SATISFACTION**
- **INTEGRITY**
- **SAFETY**



BUILDING A ROAD MAP TO SAFETY

- **Safety Assessments: Compliance Audit Services**
- Are your sites safe & compliant? Are you at risk?
- **Site inspections: Audits/Validations**
- Site re-validation/certifications - Includes written report of findings
- Assuring sites & systems are operating properly and safely
- **Training: Installer, Operator & Maintenance**
- Site or online training modules - safety & trouble-shooting
- **Partnering in Creating a Culture of Safety & Awareness**
- Protecting brand, people & assets

IN-HOUSE MANUFACTURING

Allied Grain Systems have an extensive range of in house designed and manufactured items, ranging from, conveyors, road hoppers, bulk weighers, slide gates, heavy duty ducting and transitions, structural steel and walkways and much more



Heavy Duty Chute and Conveyor



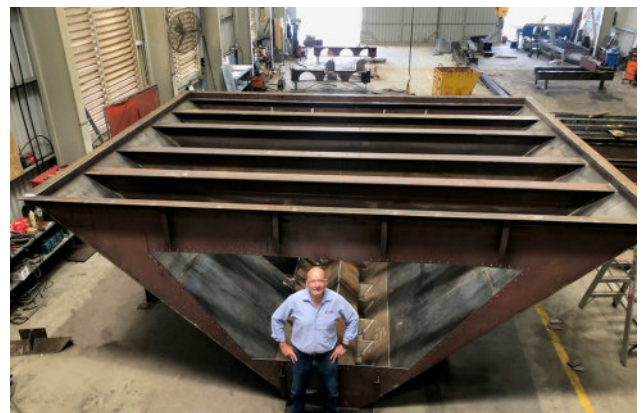
Structural Tower



Heavy Duty Dust Collector Chutes



1500 TPH Bulk Weigher



30T Road Hopper



Structural Steel for Radial Conveyor

EXTENSIVE RANGE

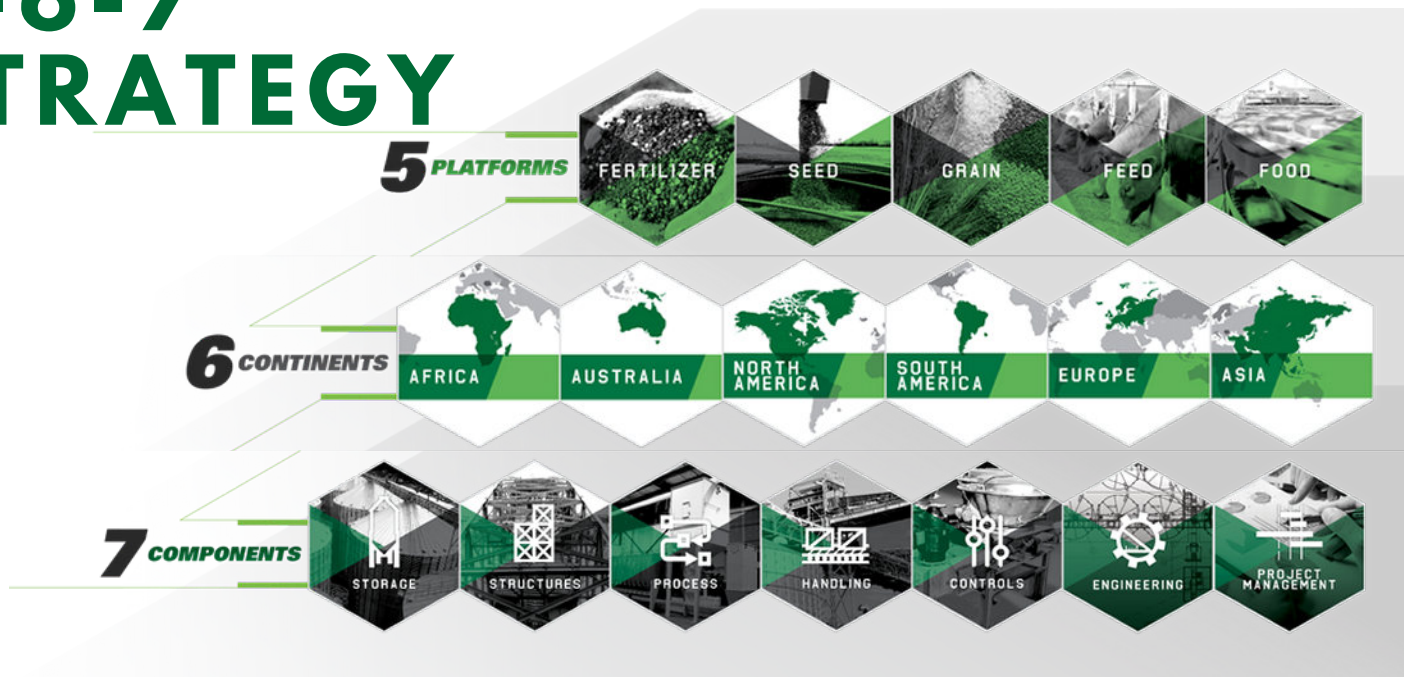


Allied Grain Systems offer an extensive range of AGI grain storage silos, from the 500T flat bottom silos through to the 30,000T flat bottom, in both Commercial and Agricultural models as well as cone based silos from 2T capacity through to 3,000T capacity in both commercial and agricultural models.

Australia's First Global Grain Storage Company

Allied Grain Systems are proudly partnered with AGI Canada who are global leaders in the planning, engineering and manufacturing of full solutions and systems across 5 platforms

5-6-7 STRATEGY

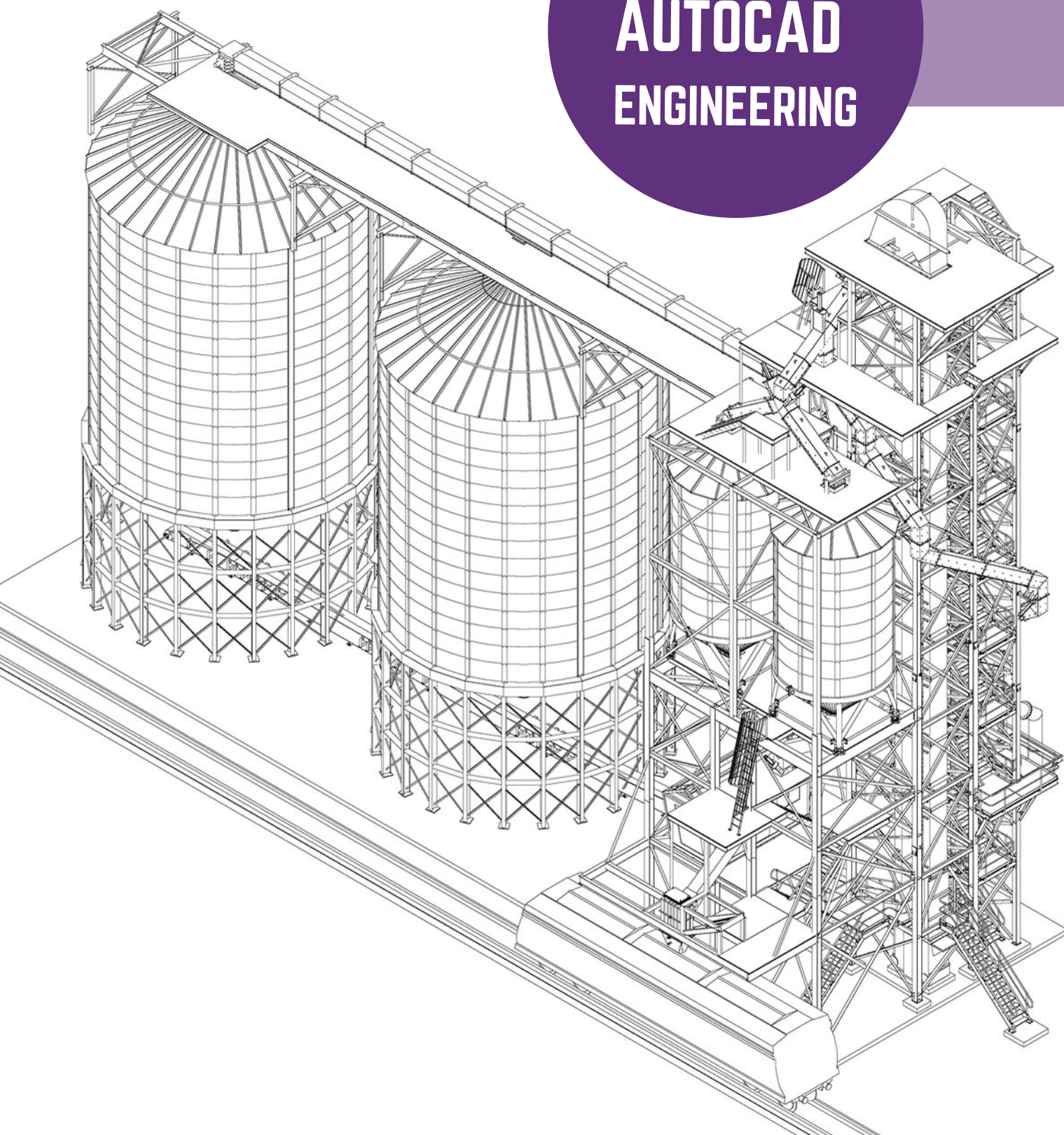


Allied were appointed AGI's exclusive distributor in Australia in 2007, this alliance is the first of its kind in the Australian Grain Storage supply industry and shows the enormous confidence AGI have in Allied Grain Systems.

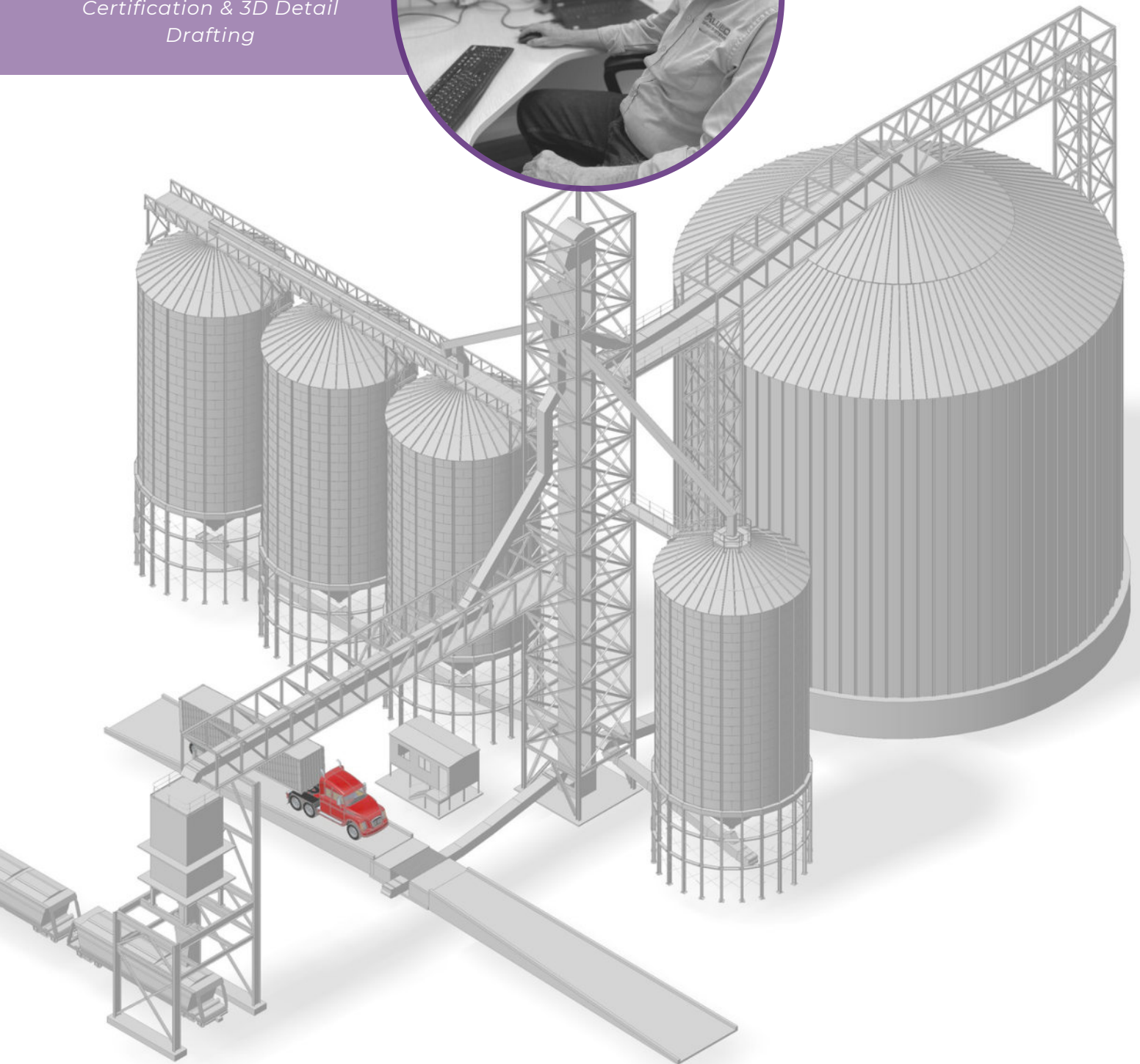
With global product lines such as MFS, Frame, York, Hutchinson, Wheatheart, Neco, HiRoller, Union Iron and Tramco, AGI are a single source supplier in -

- Silos and accessories
- Chain conveyors
- Fertilizer handling, blending & bagging
- Zero entry sweeps
- Distributors
- Square bins and feed milling systems
- Enclosed belt conveyors
- Aeration and dust control
- Hazard monitoring and controls
- Bucket elevators
- Grain Dryers

**IN-HOUSE
AUTOCAD
ENGINEERING**



*Engineering & Design includes
all Structural Design, Modeling,
Certification & 3D Detail
Drafting*

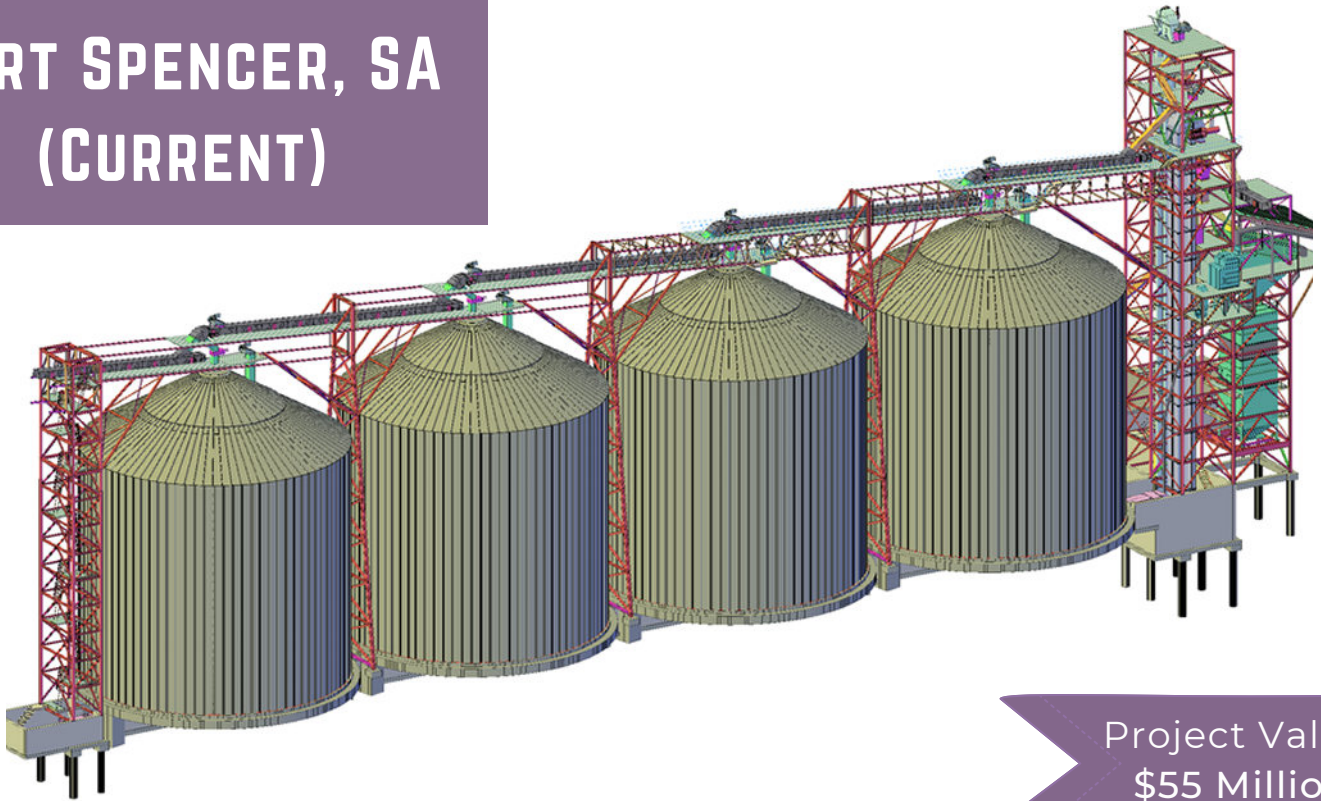


ALLIED GRAIN SYSTEMS.

KEY PROJECTS



PORT SPENCER, SA (CURRENT)



Project Value
\$55 Million

Port Spencer is a new grain export terminal with an integrated natural deep-water port on the Eyre Peninsula in SA. Containing the region's largest at-port storage facility, with a throughput of 800,000 tonnes per annum and a construction value of over 200 Million Dollars. Allied Grain Systems were commissioned by Free Eyre Ltd to design the most modern, automated, cost effective and efficient grain handling system to suit this application.

Construction is due to commence late 2022 with expected completion 2023
This includes the following:

- Four fully sealed 12,838 T silos
- 800 TPH intake Capacity
- 2,400 TPH outloading capacity to ship
- Full automation

T-PORTS WALLAROO (CURRENT)



Project Value
\$22 Million

Allied Grain Systems were contracted by T Ports to design the most modern, automated, cost effective and efficient grain handling system to suit this application in Wallaroo S.A.

Construction is underway with the completion expected late 2022. This includes the following:

- Two fully sealed 10,000 T silos
- 1000 TPH intake system with dual road hoppers
- 1,500 TPH out-loading System to ship
- Full Automation



QUBE NARROMINE NSW



Project Value
\$3.5 Million

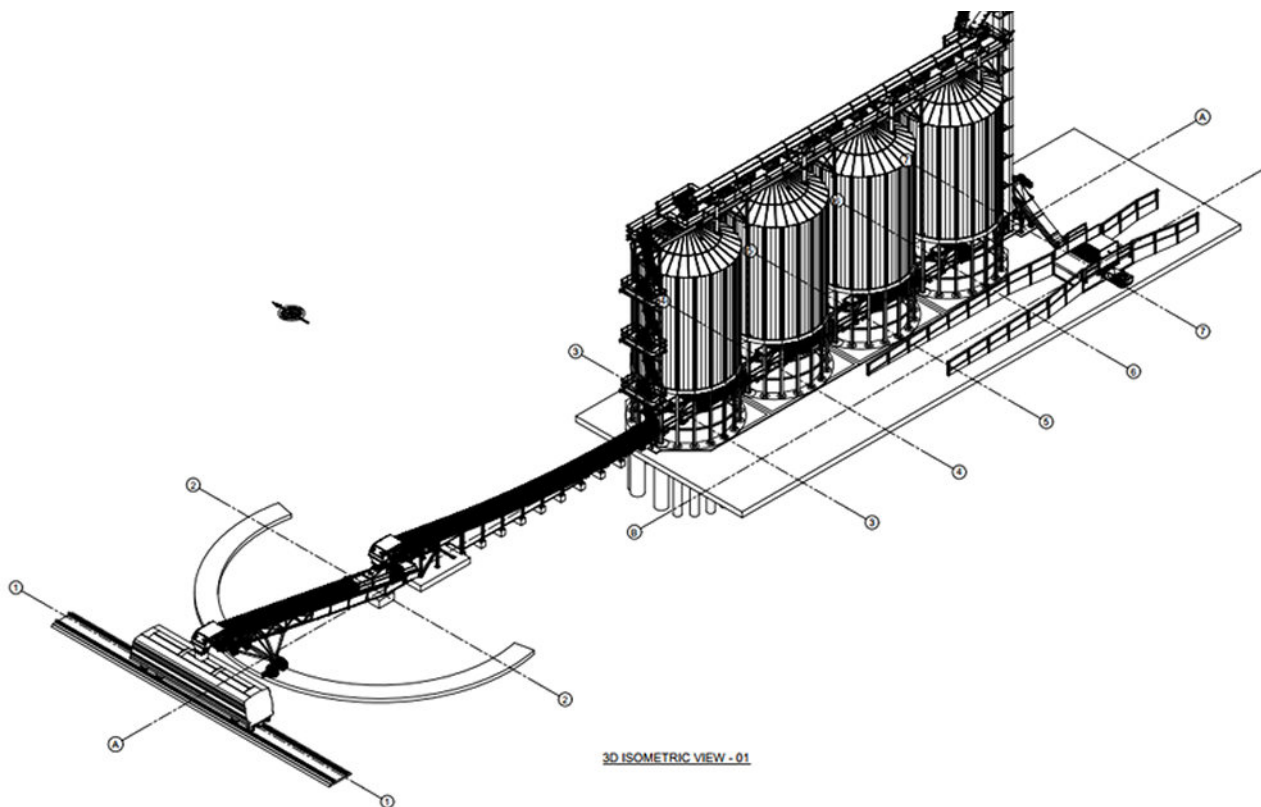
QUBE Logistics contracted Allied Grain Systems to design and construct a bulk storage and rapid rail loading facility, the focus was on designing a 1000TPH radial rail loading conveyor. Allied designed and manufactured the 1000TPH radial belt conveyor to assist with the elimination of strict and expensive rail infrastructure requirements.

The project was completed in September 2022 which included the following:

- Four 760T Cone bottom silos
- 24m 500TPH Intake bucket elevator
- 500TPH Drag Conveyors
- 500 TPH Drive over hopper
- 1000TPH Radial Rail loading belt conveyor system from silos



QUBE NARROMINE NSW



GRAINCORP YAMALA QLD

Project Completed:
2020

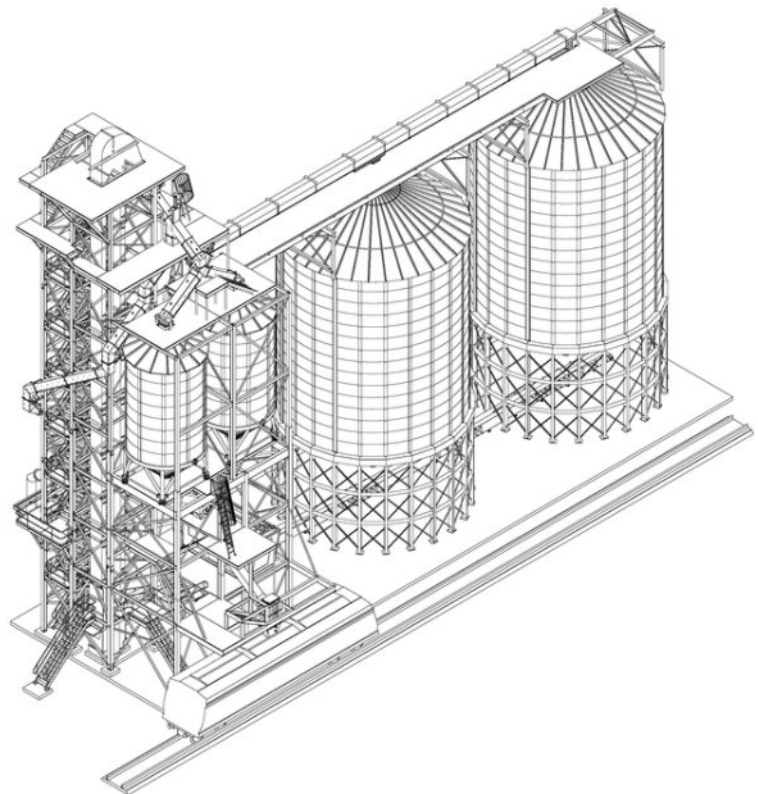
In October of 2020 Allied Grain Systems completed construction of Graincorp's rapid rail loading and storage facility at Yamala QLD. The objective of this new build was to have the most effective rail loading times as possible.

AGS contract required the construction of the following:

- Two 1032 Tonne silos sealed to AS2628-2010
- Two 109 Tonne cone silos for weighing
- 600 TPH conveyor intake system including 30 T capacity drive over hopper and associated intake conveyor's
- 600 TPH out loading to dual 109 T garner bins on weigh cells
- 1000 TPH rail car loading system c/w automated swing chute.



Project Value
\$3.5 Million



SUNPORK COMMERCIAL PIGGERIES

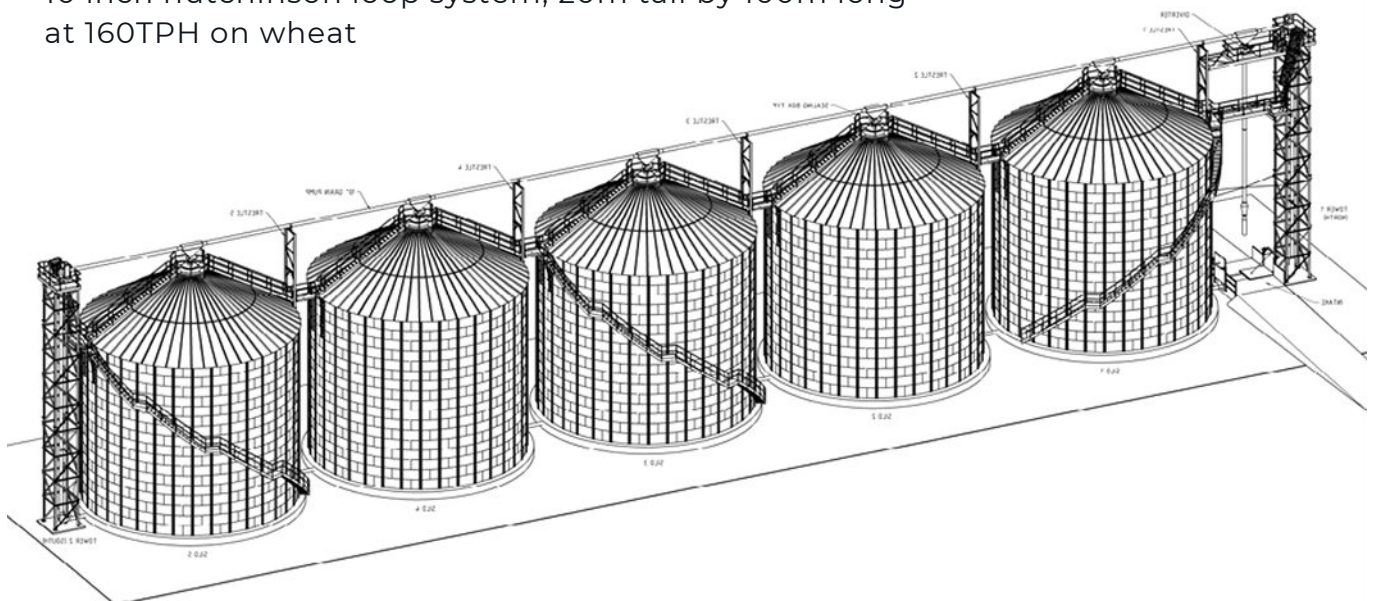


In November of 2021 Sunpork Commercial Piggeries contracted AGS to design and install a new bulk storage and handling facility for their feedlot near Dalby QLD. The project is underway and completion is expected late 2022.

Project Value
\$3 Million

AGS contract requires the construction of the following:

- Five 2500T Flat bottom Super Bins
- Drive over hopper to support 160TPH on wheat
- 10 inch hutchinson loop system, 20m tall by 100m long at 160TPH on wheat



SAPPHIRE FEEDLOT GOONDIWINDI QLD

Project Completed:
2019

Smithfield Cattle Company delivers first class cattle performance and is recognised as one of the leading cattle companies in Australia.

They have two feedlots with a combined total of 40,000 head of cattle. They facilitate feed lotting, crop production, cattle grazing and consulting.

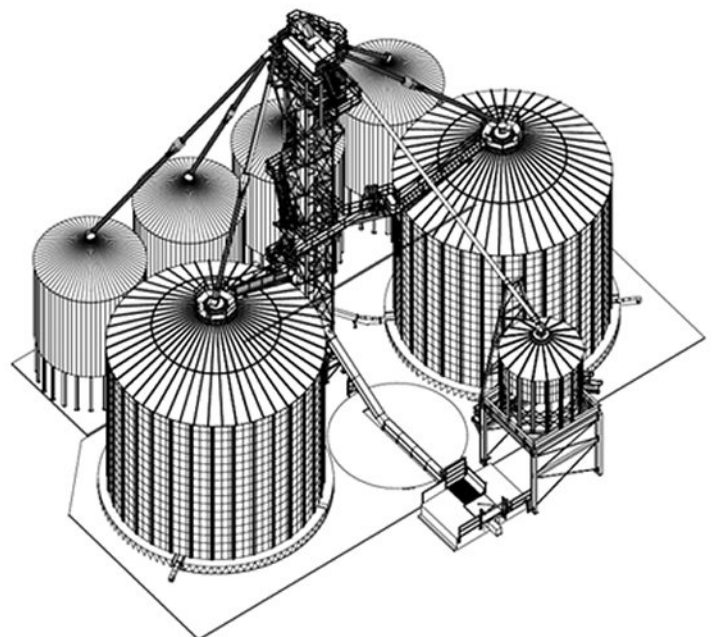
Their involvement with Allied Grain Systems began in 2019 when they purchased 4,000 tonnes of grain storage along with a 75-tonne garner bin and 150 tonne/hour elevator with an eight-way head.

“Allied Grain Systems, by far, was the best at designing a simple, reliable, high-capacity system at a competitive price, says Jason.

The storage system will allow key opportunities such as faster unloading and greater capacity to better manage our harvest.”



Project Value
\$1 Million



MALTEUROP GEELONG VIC

Project Completed:
2019

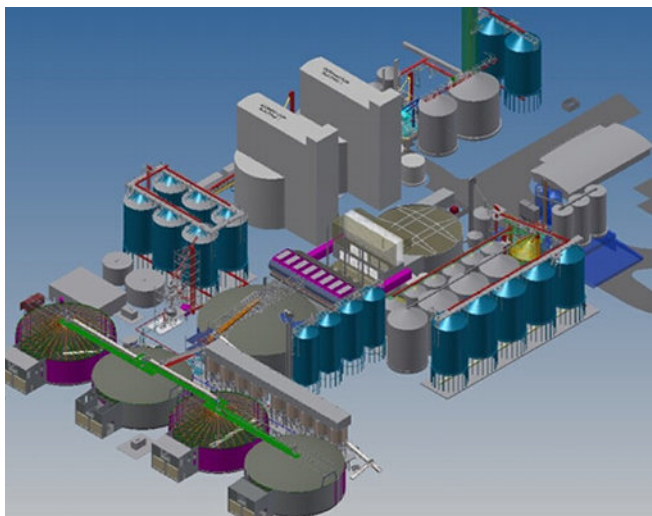
In January 2017, Allied Grain Systems began construction of 17 commercial silos at the Malteurop Geelong plant, increasing the company's annual malt output by 120,000T

This titanic upgrade involved over 18 months of work, involving up to 160 people at a time. Over 3800 m³ of concrete and over 300 tonnes of steel structures, 66km of electrical cables and 5km of ducts and pipes were used. 190 service providers were involved and over 220,000 man- hours work,

AGS contract required the construction of the following:

- Thirteen 1000T Malt Barley Storage silos
- Four 500T Malt Analysis silos
- Complete fit out of all mechanical conveying equipment for four germination vessels, malt drying kiln, bucket elevators and conveyors
- Associated walkway and access equipment

Project Value
\$95 Million



BARRET BURSTON MALTING GEELONG VIC

Project Completed:
2017

In February 2016, Allied Grain Systems began construction on Barret Burston Malting Geelong. The plant upgrade was designed to better isolate different malt barleys for production.

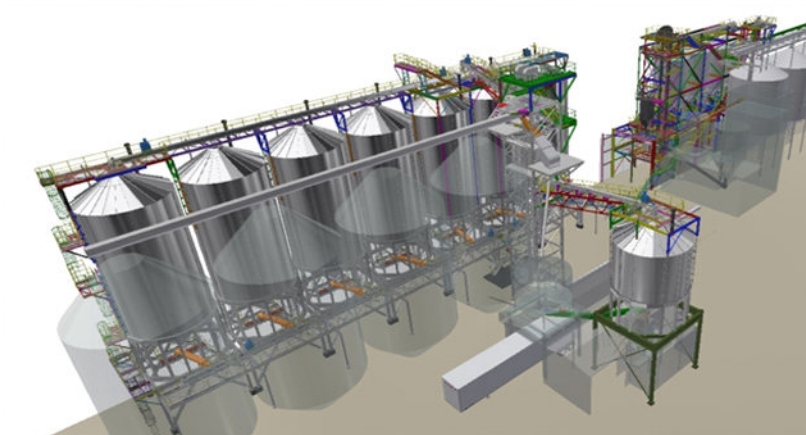
Allied's design and construction significantly boosted the plants productivity through allowing for continuous bagging production without stoppages, added plant storage capacity and rapid truck loading.

AGS contract required the construction of:

- 150 T bagging silo and associated conveyor system
- 200 TPH loading facility directly to trucks.
- Container loading facility to load a 40 foot container every 10 minutes.
- Seven 350T over road drive through barley storage silos
- Drag conveyor systems to assist with increased production and upgrade of existing bucket elevator
- Two 100T and two 50T over head garner bins on weigh cell for accurate loading into trucks and containers.
- Associated dust collection systems and offal bin transfer conveyors



Project Value
\$11 Million



GRAINCORP TRANGIE

Project Completed:
2017

Allied Grain Systems started engineering the plant upgrade back in 2016. The key design point was grain flow from anywhere to anywhere. The central point is the bucket elevator that was extended by 11 meters in height. Also, a new head section, belt and motors were installed to increase the capacity from 400 to 550 tonnes per hour.

From the bucket elevator discharge the grain can be directed to any other location on site; to the new storage bins, existing shed, existing bunker, truck loading chute or the garner bin over the rail line. In similar fashion, the bucket elevator can be fed from many sources; the bulk storage bins, drive over hopper pit, bunker or shed.

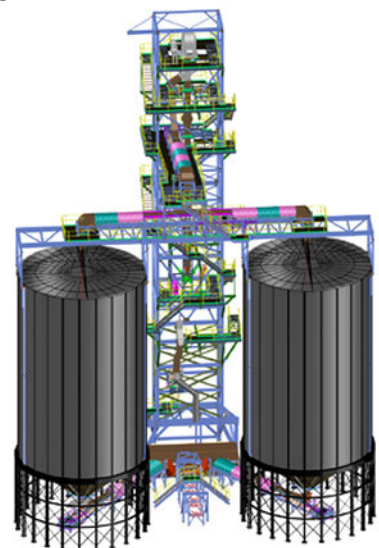
The biggest benefit for GrainCorp on this upgrade came from the significant reduction of the train loading time. The first train was loaded on the 7th of December 2017 and 23 carriages were filled with grain in 4 hours whereas with the old system it took more than 8hrs.

A GrainCorp representative said "This is the best train loading chute of all of our sites so far". AGS Contract required construction of the following:

- Two 1500T fully sealed cone based silos
- 550TPH bucket elevator upgrade and associated conveying equipment
- Associated walkways, ladders and stairs.



Project Value
\$8 Million



GRAINCORP GEELONG VIC

Project Completed 2016

GrainCorp contracted Allied Grain Systems to design and construct a new facility at Graincorp's Geelong port terminal, where the majority of Victoria's grain is exported from. The project included the construction of an automated fumigation system designed by AGS.

The system is an innovative world first design where the grain mass is measured, then the fumigation gas is calculated and injected into the grain mass where the gas is recirculated around the silo to give a comprehensive insect kill.

The storage facility also allows for automated container loading. This system allows B double trucks to drive through a loading station designed to weigh and fill containers at a constant flow of

Allied Grain Systems' contract required:

- Three 1500T and two 500T conical based gas tight storage silos
- Design, construction and implementation of automated fumigation system
- Comprehensive grain weighing system
- Operator's rooms and facilities
- Design and supply of all the conveying system including 50-metre-tall elevators and 200- metre-long 500 TPH elevator



Project Value
\$4 Million



CAMERON PASTORAL GOONDIWINDI QLD

Project Completed: 2016

Allied Grain Systems were contracted by Cameron Pastoral Company to provide four MFS 48-12 silos, complete with a Grain Pump System to link in with other existing mills. In 2015 they contracted Allied Grain Systems to supply and install four MFS S60-20 silos with a total capacity of 16,000T.

The new silos are fully sealed to AS2628-2010 and include fumigation, recirculation systems and a comprehensive aeration system. The silos have external spiral stairs for easy access to the silo eaves, silo roof stairs and peak ring walk-arounds. The conveyor system consists of a Hutchinson Commercial Double Chain 12" Grain Pump System around the four silos – with the 12" Grain Pump having a capacity of 270tph.

This system will allow Cameron's to blend grain in all of their silos and to store grain for periods of up to twelve months in an insect-free environment with temperature internally controlled for the bins to keep the grain in the best possible condition.

Allied Grain Systems have a long association with Cameron Pastoral Company. This project was a major achievement for which Allied Grain Systems were able to complete this work within 25 weeks and on budget to comply with the client's tight timeframe.



Project Value
\$4 Million



JOE WHITE MALTINGS ADELAIDE SA

Project Completed:
2015

Joe White Maltings was established in the 1850s and has a long and distinguished history. Joe White Maltings is the largest malt producer in Australia, with seven plants producing more than 550,000 tonnes per annum.

In late 2015, Allied Grain Systems completed a project in Adelaide to provide 6 MFS HTT 21-14 Silos, plus associated structures and walkways.



Project Value
\$2 Million

JOE WHITE MALTINGS MINTO NSW

Project Completed:
2015

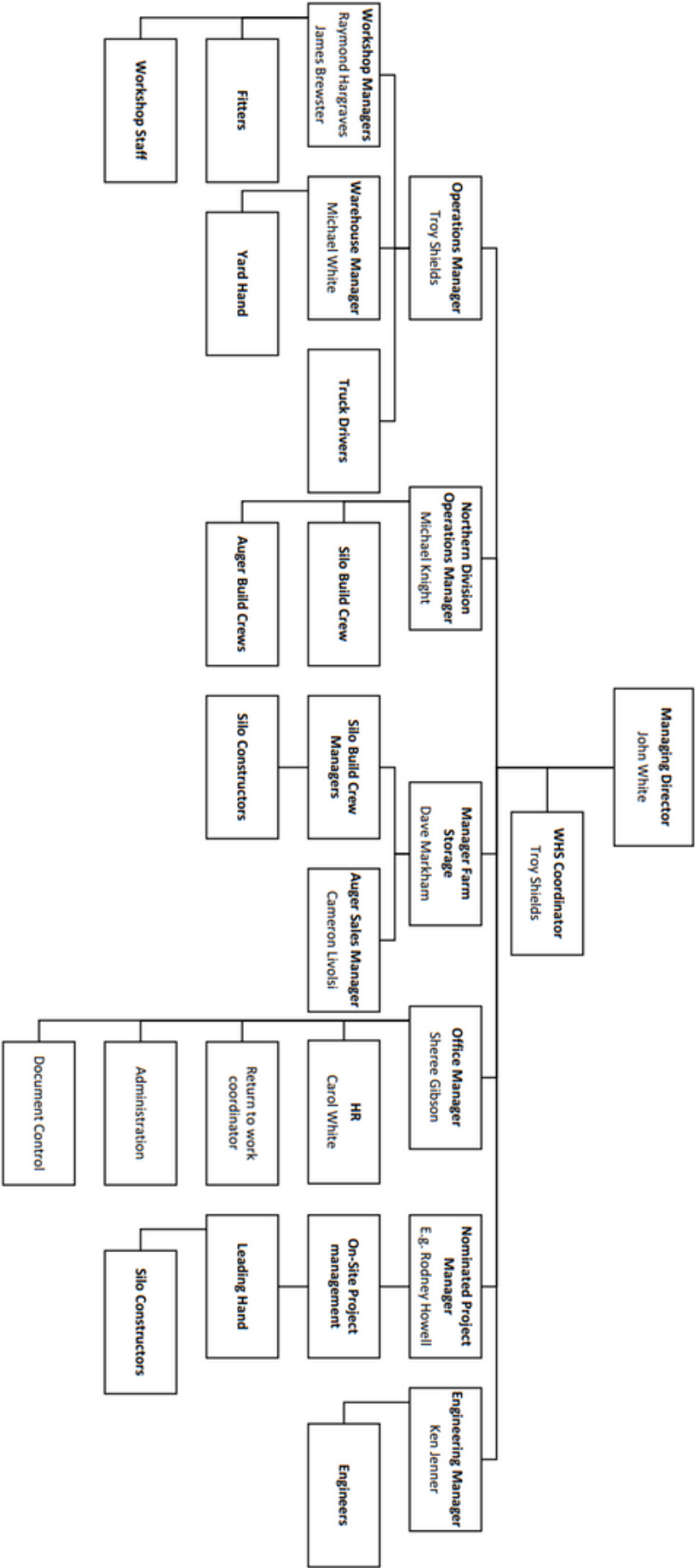
In June 2014, Allied Grain Systems were contracted to provide ten MFS HTT 24-19 silos malt storage bins for Cargill Minto NSW.

This project included demolition of existing infrastructure and concrete hardstand areas on site for AGS to construct bored pier type silo foundations. AGS were required to design all new over silo structures & walkways linking the new silos with the existing silo systems on site as well as installing all new conveyor systems for the project.



Project Value
\$2 Million

COMPANY STRUCTURE



PRODUCTS & SERVICES

COMMERCIAL FLAT BOTTOM SILOS



Allied Grain Systems & AGI offer a large range of Commercial Flat Bottom Silos, from 500 Tonnes to 30,000 Tonnes capacity, catering to the larger farm enterprise and commercial concerns throughout Australia.

The silo range wall sheeting is constructed of 2.66" corrugated graded steel of up to 65,000 psi tensile strength and finished with a commercial grade galvanised coating for a greater hoop strength. All silos have been performance tested and field proven under the most demanding conditions and are then sealed to Australian standards.

The Commercial Silo range use an externally fitted stiffener for dependable vertical stability and are installed three per sidewall panel, smaller commercial silos will only have two stiffeners for each panel.

Rugged upright stiffener columns transfer the silo load straight to the foundation, stiffeners are mounted externally to avoid grain hang up.

Splices in stiffeners are offset to avoid seam on seam occurrences which can compromise structural integrity. The offset splice also simplifies installation.

Allied grain Systems offer a Solution for your farm and commercial storage needs



COMMERCIAL CONE BASED SILOS

Hopper bins from Allied Grain Systems & AGI are built for long life and ultimate ease of unloading.

Sidewalls, stiffeners and fasteners are of the same specifications and quality as our traditional commercial bins. The roof is assembled from extra-strength steel panels for additional protection from blowing rain and snow. Supporting columns are wide flange beams with heavy duty tie rod braces bolted solidly to the steel substructure.

A heavy-duty compression ring securely ties the bin components to the all-galvanized hopper cone. Hopper bins are available in various diameters from 18 to 36 feet with storage level capacities from 5,000 bushels to more than 50,000.



QUICK AND COMPLETE GRAIN UNLOADING

The hopper cone has a steep slope design which speeds up grain flow. On 18/21/21-foot bins, the slope is 45 or 60 degrees. On the 27/30/33/36-foot models, the slope is 40 degrees. The oversized 14-inch discharge allows greater flow than most other hopper bins, and you get 100% cleanout of the bin. The rack and pinion design makes the slide gate operate smoothly



This allows for extremely accurate adjustment of the opening. This hand-operated gate is standard on all AGI hopper bins from Allied Grain Systems.

The bin is connected to the hopper cone via a rugged compression ring that ties the entire structure together securely. Note as well the heavy-duty braces for added integrity and reliability.

All AGI bins from Allied Grain Systems feature 14" outlets with standard rack and pinion gates for ultra-smooth operation.

AUSTRALIA'S LEADING SUPPLIER ON-FARM STORAGE

Allied Grain Systems are Australia's Leading Supplier of On-Farm grain storage. Thanks to our partner AGI we are able to supply grain storage silo's ranging from 500T - 2500T.

Allied has more than 90 silo sizes to choose out of the MFS product range and works to ensure you receive the highest quality silo and completed grain storage system available in Australia. The quality and finish is second to none. All Silos and Foundations supplied by Allied have been certified as meeting Australian Standards by independent structural engineers.

Allied Grain Systems offer a one stop shop for your farm storage needs, when you contract to Allied to supply farm silos we take the worry out of chasing materials or workers as our expert teams do it all for you.



The background image shows a large industrial grain storage facility with several tall, cylindrical metal silos. A tall, lattice-structured conveyor system rises between two of the silos. The silos have 'mfs' and 'ALLIED GRAIN SYSTEMS' logos on them. In the foreground, there is a field of golden-brown grain, likely wheat or barley. The entire image has a purple-to-blue gradient overlay.

ALLIED

GRAIN SYSTEMS